



PratiKa
Industrial plugs and sockets

Catalogue 2022
Low and Extra-Low voltage



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PratiKa plugs and sockets
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PratiKa plugs and sockets
General presentation



Additional safety is assured by sockets with electrical switch in which a mechanical lock avoid plug insertion and extraction on charge.



PratiKa offer includes the FAST patented solution: this innovative cabling system enables connection without stripping the conductor and with absolutely no screws required.

Plugs and sockets

Sockets with interlock switch

> Complete solutions:

- **Quick** to connect
- **Safe** to use
- **Functional** and **ergonomic**
- **Easy** and **intuitive**



Kaedra

Kaedra enclosures for PratiKa industrial sockets are part of a complete system of waterlight enclosures from 16 to 125 A, providing solutions for protection, control and electrical distribution for tertiary and industrial applications.

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PratiKa plugs and sockets
Low voltage and extra-low voltage

PB102195



A complete range of high performance industrial plugs and sockets

The PratiKa range of industrial plugs and sockets is basically designed to suit all needs and all kinds of environments: tertiary sector, industry, building sites, workshops, agricultural sector, as well as indoor and outdoor of any kind of building.

This wide range of plugs and sockets is the result of Schneider's experience and know-how, it is a complete range, available for the 16 A, 32 A, 63 A and 125 A with degree of protection IP44 and IP67 in the wander, panel and wall versions.

These solutions are:
- fast to connect
- safe in the use
- functional and ergonomic
- easy and intuitive.

PB102239



A complete range of products to supply circuits with risks of direct and indirect contacts with live parts

The range includes 16 and 32 A versions available in different number of pole (2P and 3P).

PratiKa with FAST connection

PratiKa Fast



The **FAST** connecting system is the most innovating solution of this series which guarantees the connection without stripping the conductor, in total absence of screw.
This logo is the guarantee of the new patented connecting system of the **FAST** series.
This solution is dedicated to flexible cables both for the 16 A and 32 A.

PratiKa with SCREW connection

PratiKa Screw



The **SCREW** version simplifies the most common cabling solution, having introduced the orientation of the screws which are completely open to speed the cabling.

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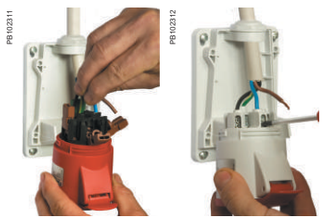
PratiKa plugs and sockets
Low voltage and extra-low voltage

Wall plugs and sockets



Wall installations both for plugs and sockets can now be realised with PratiKa Wall IP44 available with the FAST and the SCREW solution, 16 A and 32 A.

Robustness due to rigid cover, stainless steel screws and high level of thermoplastic material permit the use in tertiary, industry and any sector.

Complete solutions for 63 A and 125 A



The nickel-plated contacts, the stainless steel screws, and the high performing plastic materials, ensure the maximum protection even in very humid and corrosive environments.
A high performing thermoplastic material ensures the use in any aggressive environment in presence of oils and chemical agents.

Phase inverters and solutions for container



Phase inverters are designed to solve quickly and safely the problems concerning electrical connections of all rotary equipment.

These plugs and sockets have been built to ensure maximum protection and guaranteed functioning also in highly aggressive and corrosive environments.

Wander plugs angled 90°



This version allows to reduce the bulk of connection between itself and a panel sockets and limits the mechanical stresses upon the cables, due to the absence of curves.

Domestic panel sockets



A range of domestic sockets IP54 is now available presenting "shutters" (child protection) in all versions, these devices permit to avoid harmful contact with the sleeves in presence of tension.

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PratiKa plugs and sockets
Low voltage and extra-low voltage

Extra-low voltage sockets





The PratiKa extra-low voltage sockets and plugs ensure the non-interchangeability by means of two reference elements:
- a guide spline
- a secondary keyway.

In accordance with the IEC 309-1 and IEC 309-2 standard.

Sockets with safety transformers



Unika series are used to power circuits with a voltage rating of 50 V maximum, in order to protect people from direct and indirect contacts,
in conformity with IEC364 standards.

The units integrates the socket, the power transformer and the transformer protection from any overloading.

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PratiKa plugs and sockets
Sockets with interlock switch



A complete range in order to guarantee safety, reliability and functionality

- Unika: highly functional features and very versatile installation system.
- Isoblock: for installation in high-risk areas.

In conformity with IEC 60309 standards, all the industrial sockets have a lock or holding mechanism, which keeps the plug firmly locked in the socket, preventing it from being pulled out involontarily.
Sockets with an interlock switch have been designed to meet the safety requirements and, in particular, to prevent plug insertion or removal while the socket is under load.
Their interlocking device allows closure of the main switch and, subsequently, the power supply only when the plug is fully inserted in the socket, and when complete mechanical and electrical connection has occurred between the sleeves and pins.
Plug removal is possible only when the switch is in the "off" position.
The use of these solutions is compulsory in accordance with the regulations in force, e.g. in places where there is a risk of explosion or fire. However, in order to prevent dangerous contacts capable of causing overheating and consequently insulation deterioration or the outbreak of a fire, it is always advisable to adopt this safety measures. In this way the user has the guarantee that current can only be accessed under optimum safety conditions with the plug correctly inserted.

Tertiary





Industry





Construction sites





Agriculture





Heavy industry

Domain of applications

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PratiKa plugs and sockets
Sockets with interlock switch



Global solution for industrial installations

Compact, unified sizes, versions with IP44 and IP65 protection, panel and wall-mounted, with or without integrated protection, all sockets provide quick solutions to the most demanding applications.

Unika series provides

Safety

Equipped with a mechanical switch, which ensures the control and local isolating of parts of the plant or utilities to permit intervention on electrical circuits or machines in total safety.
The sockets are in conformity with IEC 60309-2 and IEC 60309-4 standards.

Protection

Have fuse-blocks with isolators placed under the front protection and accessible only when the switch is open and plug removed and, thus, in the total absence of voltage.
Thanks to the fuse clips, the contact pressure on the fuses remains constant independent of installation operations, preventing excessive overheating, harmful to their functioning and duration.

Resistance

Provides guaranteed IP44 and IP65 protection against the penetration of solids and liquids, in conformity with the IEC 60529 and EN 60529 standards, while resistance to mechanical shocks is covered by IK09 protection, in conformity with IEC 62262 standards.
The structure and supporting frame of the equipment completely separated from the housing and the double walls, contribute to greatly increasing the mechanical resistance.



A complete range for heavy-duty applications

IP65 protection, IK10 shock resistance, high resistance to aggressive chemical and atmospheric agents, specifically designed for heavy-duty applications.

Isoblock series provides

High resistance

Made of special techno-polymers, provide ultra-high resistance to aggressive chemical and atmospheric agents and guarantee maximum protection even in difficult, hazardous environments.

Protection

Against the penetration of solids and liquids, in conformity with the IEC 60529 standards, while resistance to mechanical shocks is covered by IK10 protection, in conformity with IEC 62262 standards.

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PratiKa plugs and sockets
Sockets with interlock switch
Serie Unika

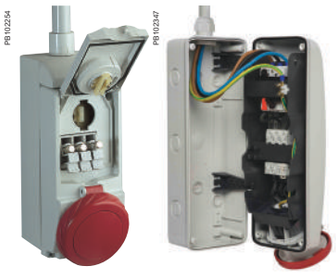
Unique because of the following:
- one standard size 103 x 225 mm for 16 and 32 A sockets
- for IP44 and IP65 versions
- versions protected by fuses, without protection, with insulation transformers and with DIN rail for modular devices
- fitted wall-mounted, used individually, in combination or in the Kaedra system.

Compact size



Unika sockets 16 - 32 A with interlock switch come in one standard size of 103 x 225 mm, which makes them the most compact on the market, guaranteeing at the same time ultra-high performance in terms of safety and functionality.

Easy to install



Unika interlocked sockets series are very easy in installation thanks to:
- the same dimension of 16 and 32 A that can be easily interchanged on the 103 x 225 holes
- possibility to separate the body from the back box to facilitate the wall fixing and the wiring
- possibility to hang the body to comfortably cable the switch or MCBs (for 63A version)
- possibility of cable entrance from the top, from the bottom or from the side of the box.

Design



The range includes functional and optimized shapes for an standingalone installation and for perfect integration with the unique Kaedra's enclosures.

The lines, the style and the shapes where conceived also on the basis of an easy manipulation and cabling.

Kaedra System and modular bases



Unika series sockets 16 and 32 A can be installed either on single enclosures or modular bases, and can be combined to form complete, totally protected banks. Also, they can be fitted on a Kaedra system socket panels designed specifically for Unika, enabling the construction of interlocked socket panels with the possibility of differential protection integrated.

Unika 63 can be easily associated to other interlocked sockets of Unika series both vertically or horizontally, possibility available also with the Kaedra system of watertight enclosures.

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PratiKa plugs and sockets
Sockets with interlock switch
Serie Isoblock

Differentiated functions



■ Version with carrier for CH 10.3 x 38 cylindrical fuses in the 16 e 32 A applications and with NEOZED in the 63 A applications.
■ Version with DIN rail for installing any kind of modular equipment.

Modular panels



The cover of each individual interlocked socket can be easily removed enabling access for wiring and interconnections.

For the installation of associated interlocked sockets, modular panels are available ready-equipped with a junction box.

Sockets with interlock switch



The Isoblock series of 63-125 A with thermal-magnetic (with or without earth-fault protection) is now equipped with the Compact NSx circuit breaker, which give to the end-user lasting safety together with unsurpassed energy availability and very high electrical and technical features.

Socket combinations



Isoblock interlocked socket combinations consist of complete distribution units characterized by the high performance of the different sockets and, therefore, are intended for installation in hazardous environments.

They are easily combined with the connections devices supplied with each panel.

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PratiKa plugs and sockets
Kaedra system





The most complete range of solutions for protection, control and distribution panels for tertiary and industrial applications.

The new range of Kaedra system watertight enclosures provides solutions to all equipment installation problems, such as sockets, modular protection devices, buttons and indicator devices, etc., in environments where maximum protection is needed both for people and the electrical equipment.

The expected solution for a complete, coherent system, designed for the installation of all the Schneider Electric equipment, combining safety, functionality, ergonomics and design.

- Enclosures for sockets
- Enclosures for modular devices
- Enclosures for modular devices with interface
- Interface enclosures
- Universal enclosures

Safety

Kaedra enclosures ensure maximum protection thanks to the following:

- IP65 protection
- High resistance to shocks (IK09), chemical and atmospheric agents and UV rays
- Materials and structure designed to guarantee double insulation and access only to authorized personnel.

In conformity with the IEC 670 standards for empty boxes, and IEC 439-3 standards for complete boards.

Ergonomics

The Kaedra enclosures provide ample wiring space enabling simplified cable entry and internal distribution.
The doors and transparent flap-covers enable constant and immediate control of the operating conditions while the interface areas permit rapid access to the sockets or control devices.
The standardized concept of the opening enables quick installation of all the equipment either directly or throught functional plaques.

Design

The modern and rounded shapes of the Kaedra enclosures are the result of careful studies on product design and ergonomics, and are recommended for public areas without spoiling the architectural surroundings with purely technological features.
The use of innovative colours enables them to fit in better with their surroundings while guaranteeing the principal needs of equipment visibility and control.

Enclosures for sockets



These are available in versions for 1 to 8 sockets and include new modular opening, which enable installation of all the PratiKa series socket or integration of control and indicator devices.
Those versions are also available for installing new Unika interlocked sockets and blank versions for universal sockets.

Enclosures for modular devices



These are available in versions for 2 to 72 modules and enable installation of all modular equipment up to 125 A, as well as combinations with equipment other than the modular type, thanks to the chassis and separate modular panels.

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PratiKa plugs and sockets
Kaedra system

Enclosures for modular devices with interface



These are available in versions for 12, 24 and 36 modules and, thanks to the specific plaques, enable installation of other control, protection, and indicator device equipment on the panel front as well as domestic or industrial PratiKa sockets. These devices are accessible at any time maintaining the other modular equipment totally protected, that means without opening the door.

Interface enclosures



These are combinable with 2 or 3-unit modular enclosures and enable front installation of control, indicator devices and sockets. The internal volume provides convenient space for cable distribution within the enclosures.

Universal enclosures



These are available in 5 different sizes and enable the construction of control boards with non-modular equipment. These enclosures can be associated with all the Kaedra series enclosures enabling the construction of complete banks.

Association

The modular size of the Kaedra system enclosures enables them to be quickly associated both horizontally and vertically, allowing the board configuration to be adjusted according to the structural conditions of the installation environment. Furthermore, extensions can be made at any time by adjusting the panel according to the various needs.

Chassis

The Kaedra system enclosures, designed to accommodate modular devices, are equipped with an easily removable chassis to permit installation of equipment and wiring outside the board. This can be easily tourned up side down to provide wide space for incoming and outgoing wiring. It is also possible to changed the on-centre between the rails (150 mm in basic delibery version) and enabling an optimum use of the internal wiring space.

Operating details

The Kaedra enclosures have been constructed in close collaboration with the installers, enabling the integration of numerous functions designed to simplify their work. Here are some examples:
- the hinges are designed to enable enclosures to be opened without removing the cover
- the dovetail joint on the chassis and on the base permit installation of wiring collars or terminal blocks
- circuit identification labels, totally protected to ensure leggibility even after numerous operations.

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PratiKa plugs
Low voltage
Selection guide

PratiKa plugs 16 - 32 A







Rated current	Poles and wires	Freq.	Rated voltage	Clock position of contact	Wander plugs FAST connect		Wander plugs SCREW connect		Wander plugs angled 90° SCREW connect	
		Hz			IP44	IP67	IP44	IP67	IP44	IP67
16 A	2P + ⏚	50/60	100-130 V AC	4 h	PKX16M413	PKX16M713	PKE16M413	PKE16M713	-	-
	3P + ⏚	50/60		4 h	PKX16M414	PKX16M714	PKE16M414	-	-	-
	3P+N + ⏚	50/60		4 h	PKX16M415	PKX16M715	PKE16M415	-	-	-
	2P + ⏚	50/60	200-250 V AC	6 h	PKX16M423	PKX16M723	PKE16M423	PKE16M723	-	81754
	3P + ⏚	50/60		9 h	PKX16M424	PKX16M724	PKE16M424	PKE16M724	-	-
	3P+N + ⏚	50/60		9 h	PKX16M425	PKX16M725	PKE16M425	PKE16M725	-	-
	2P + ⏚	50/60	380-415 V AC	9 h	PKX16M433	PKX16M733	PKE16M433	-	-	-
	3P + ⏚	50/60		6 h	PKX16M434	PKX16M734	PKE16M434	PKE16M734	-	81758
	3P+N + ⏚	50/60		6 h	PKX16M435	PKX16M735	PKE16M435	PKE16M735	81709	81759
	3P + ⏚	50/60	480-500 V AC	7 h	PKX16M444	PKX16M744	PKE16M444	-	-	-
	3P+N + ⏚	50/60		7 h	PKX16M445	PKX16M745	PKE16M445	PKE16M745	-	-
32 A	2P + ⏚	50/60	100-130 V AC	4 h	PKX32M413	PKX32M713	PKE32M413	-	-	-
	3P + ⏚	50/60		4 h	PKX32M414	PKX32M714	PKE32M414	-	-	-
	3P+N + ⏚	50/60		4 h	PKX32M415	PKX32M715	PKE32M415	-	-	-
	2P + ⏚	50/60	200-250 V AC	6 h	PKX32M423	PKX32M723	PKE32M423	PKE32M723	81716	81766
	3P + ⏚	50/60		9 h	PKX32M424	PKX32M724	PKE32M424	PKE32M724	-	-
	3P+N + ⏚	50/60		9 h	PKX32M425	PKX32M725	PKE32M425	-	-	-
	2P + ⏚	50/60	380-415 V AC	9 h	PKX32M433	PKX32M733	PKE32M433	-	-	-
	3P + ⏚	50/60		6 h	PKX32M434	PKX32M734	PKE32M434	PKE32M734	-	81770
	3P+N + ⏚	50/60		6 h	PKX32M435	PKX32M735	PKE32M435	PKE32M735	81721	81771
	3P + ⏚	50/60	380-440 V AC	3 h	-	PKX32M7C4	-	PKE32M7C4	-	-
	3P + ⏚	50/60	480-500 V AC	7 h	PKX32M444	PKX32M744	PKE32M444	PKE32M744	-	-
	3P+N + ⏚	50/60		7 h	PKX32M445	PKX32M745	PKE32M445	PKE32M745	-	-
Technical data, see page					16		16		17	

PratiKa plugs 63 - 125 A





Rated current	Poles and wires	Freq.	Rated voltage	Clock position of contact	Wander plugs SCREW connect	Wall-mounted plugs SCREW connect	Panel-mounted plugs SCREW connect
		Hz			IP67	IP67	IP67
63 A	3P + ⏚	50/60	100-130 V AC	4 h	81376	-	-
	3P+N + ⏚	50/60		4 h	81377	-	-
	2P + ⏚	50/60	200-250 V AC	6 h	81378	81578	81878
	3P + ⏚	50/60		9 h	81379	-	81879
	3P+N + ⏚	50/60		9 h	81380	-	-
	3P + ⏚	50/60	380-415 V AC	6 h	81382	81582	81882
	3P+N + ⏚	50/60		6 h	81383	81583	81883
	3P + ⏚	50/60	480-500 V AC	7 h	81385	81585	-
	3P+N + ⏚	50/60		7 h	81386	81586	-
125 A	3P + ⏚	50/60	100-130 V AC	4 h	-	-	-
	3P+N + ⏚	50/60		4 h	-	-	-
	2P + ⏚	50/60	200-250 V AC	6 h	81390	81590	81890
	3P + ⏚	50/60		9 h	81391	81591	-
	3P+N + ⏚	50/60		9 h	81392	-	-
	3P + ⏚	50/60	380-415 V AC	6 h	81394	81594	81894
	3P+N + ⏚	50/60		6 h	81395	81595	81895
	3P + ⏚	50/60	480-500 V AC	7 h	81397	-	-
	3P+N + ⏚	50/60		7 h	81398	-	-
Technical data, see page					16	19	20

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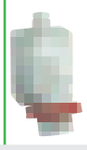
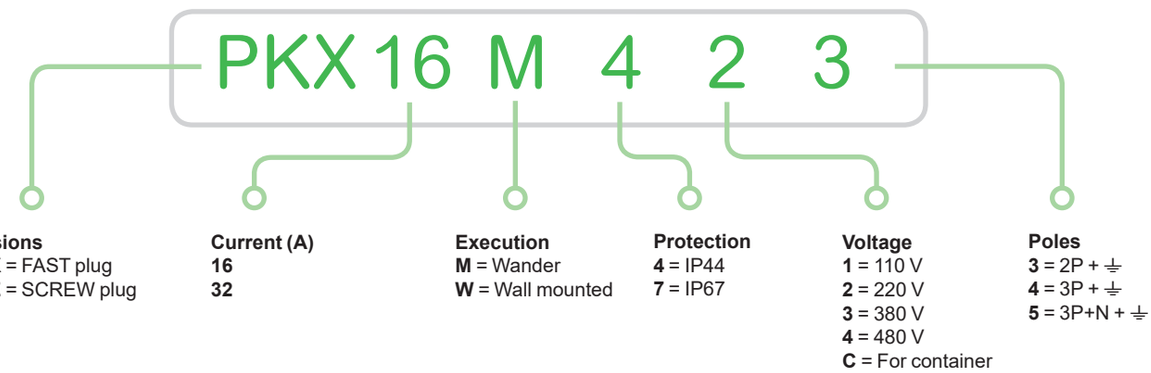



	Wall-mounted plugs		Wall-mounted plugs with back box		Panel-mounted plugs		Phase inverters					
	FAST connect	SCREW connect	SCREW connect		SCREW connect		Wander-plugs		Wall-mounted plugs		Panel-mounted plugs	
	IP44	IP44	IP44	IP67	IP44	IP67	IP44	IP67	IP44	IP67	IP44	IP67
	PKX16W413	-	-	-	-	-	-	-	-	-	-	-
	PKX16W414	PKE16W414	-	-	81802	-	-	-	-	-	-	-
	PKX16W415	-	-	83553	-	-	-	-	-	-	-	-
	PKX16W423	PKE16W423	83504	83554	81804	83854	-	-	-	-	-	-
	PKX16W424	-	-	-	-	-	83901	-	-	-	-	-
	PKX16W425	-	83506	83556	-	-	83906	-	-	83579	-	-
	PKX16W433	PKE16W433	-	-	81807	-	-	-	-	-	-	-
	PKX16W434	PKE16W434	-	83558	81808	83858	83902	83912	-	83580	-	83880
	PKX16W435	PKE16W435	83509	83559	81809	83859	83903	83913	83531	83581	83831	83881
	PKX16W444	PKE16W444	-	-	-	83861	-	-	83532	-	-	-
	PKX16W445	PKE16W445	-	-	-	83862	-	-	-	-	83833	-
	PKX32W413	-	-	-	-	83863						
	PKX32W414	PKE32W414	-	-	-	-						
	PKX32W415	PKE32W415	-	-	-	-						
	PKX32W423	PKE32W423	83516	83566	81816	83866						
	PKX32W424	PKE32W424	-	83567	-	83867						
	PKX32W425	-	-	-	-	-						
	PKX32W433	PKE32W433	-	83569	-	-						
	PKX32W434	PKE32W434	83520	83570	81820	83870						
	PKX32W435	PKE32W435	83521	83571	81821	83871						
	-	-	-	81599	-	83899						
	PKX32W444	-	-	-	-	-						
	PKX32W445	-	-	-	-	-						
	18		19		20		23					

Learn how to define your PratiKa: industrial plugs



Versions
PKX = FAST plug
PKE = SCREW plug

Current (A)
16
32

Execution
M = Wander
W = Wall mounted

Protection
4 = IP44
7 = IP67

Voltage
1 = 110 V
2 = 220 V
3 = 380 V
4 = 480 V
C = For container

Poles
3 = 2P + ⏚
4 = 3P + ⏚
5 = 3P+N + ⏚

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PratiKa plugs
Low voltage
Wander plugs

Technical data

			FAST connection, without screws	SCREW connection
			PB102226 	PB102227 
Main characteristics			**Designed to supply fixed or movable equipment by a flexible cable.**	
Degree of protection	According to IEC 60529	16 and 32 A	IP44	IP44
			IP67	IP67
		63 and 125 A	-	IP67
	According to IEC 62262	Against external mechanical impacts	IK08	IK08 for 16 - 32 A IK10 for 63 - 125 A
Materials			Housing made of self-extinguishing polymer	Housing made of self-extinguishing polymer
			Pins made of nickel-plated brass	Pins made of nickel-plated, brass (63 - 125 A), in brass (16 - 32 A)
			Springs made of stainless steel	Springs and external screws made of stainless steel
Pilot contact			-	Available in the 63 A and 125 A
Resistance to fire and abnormal heat	According to IEC 60695-2-11	Glow wire test	850°C	850°C
Connection terminals			Without screws and without stripping the conductor	Captive screws, completely loosened

Connection

	FAST connection, without screws		SCREW connection		
Rating	**Cable entry**	**Maximum cross section of conductors**	**Cable entry**		**Maximum cross section of conductors**
(In)	**IP44 / IP67 Cable clamp**	**IEC 60309-1/A1, 60309-2/A1 Stranded wire cables / flexible cables**	**IP44 / IP67 Cable clamp**	**IP67 Cable gland**	**Solid cables / stranded wire cables / flexible cables**
16 A	8 - 15 mm	1 to 2.5 mm^2	8 - 15 mm	-	1 to 4 mm^2
32 A	11.5 - 21 mm	2.5 to 6 mm^2	11.5 - 21 mm	-	2.5 to 10 mm^2
63 A	-	-	-	17 - 31 mm / PG36	6 to 25 mm^2
125 A	-	-	-	26 - 48 mm / PG48	16 to 70 mm^2

Code of wander plugs

Rating		Rated voltage											
		100 - 130 V AC			200 - 250 V AC			380 - 415 V AC			480 - 500 V AC		
Poles and wires		2P + ⏚	3P + ⏚	3P+N + ⏚	2P + ⏚	3P + ⏚	3P+N + ⏚	2P + ⏚	3P + ⏚	3P+N + ⏚	2P + ⏚	3P + ⏚	3P+N + ⏚
FAST connection, without screws													
IP44	16 A	PKX16M413	PKX16M414	PKX16M415	PKX16M423	PKX16M424	PKX16M425	PKX16M433	PKX16M434	PKX16M435	-	PKX16M444	PKX16M445
	32 A	PKX32M413	PKX32M414	PKX32M415	PKX32M423	PKX32M424	PKX32M425	PKX32M433	PKX32M434	PKX32M435	-	PKX32M444	PKX32M445
IP67	16 A	PKX16M713	PKX16M714	PKX16M715	PKX16M723	PKX16M724	PKX16M725	PKX16M733	PKX16M734	PKX16M735	-	PKX16M744	PKX16M745
	32 A	PKX32M713	PKX32M714	PKX32M715	PKX32M723	PKX32M724	PKX32M725	PKX32M733	PKX32M734	PKX32M735	-	PKX32M744	PKX32M745
SCREW connection													
IP44	16 A	PKE16M413	PKE16M414	PKE16M415	PKE16M423	PKE16M424	PKE16M425	PKE16M433	PKE16M434	PKE16M435	-	PKE16M444	PKE16M445
	32 A	PKE32M413	PKE32M414	PKE32M415	PKE32M423	PKE32M424	PKE32M425	PKE32M433	PKE32M434	PKE32M435	-	PKE32M444	PKE32M445
IP67	16 A	PKE16M713	-	-	PKE16M723	PKE16M724	PKE16M725	-	PKE16M734	PKE16M735	-	-	PKE16M745
	32 A	-	-	-	PKE32M723	PKE32M724	-	-	PKE32M734	PKE32M735	-	PKE32M744	PKE32M745
	63 A	-	81376	81377	81378	81379	81380	-	81382	81383	-	81385	81386
	125 A	-	-	-	81390	81391	81392	-	81394	81395	-	81397	81398

PG149061 
PKX16M423

PG149075 
PKX16M733

PG149039 
PKE16M423

PG149011 
81395

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PratiKa plugs
Low voltage
Wander plugs angled 90°

Technical data

			Angled 90°
			PB102228 
Main characteristics			**They have the advantage of not being very thick.**
Degree of protection	According to IEC 60529	16 and 32 A	IP44
			IP67
	According to IEC 62262	Against external mechanical impacts	IK08
Materials			Housing made of self-extinguishing polymer
			Pins made of nickel-plated brass
			Stainless steel screw
Resistance to fire and abnormal heat	According to IEC 60695-2-11	Glow wire test	850°C
Connection terminals			Captive screws, completely loosened

Connection

	Angled 90°		
Rating	**Cable entry**		**Maximum cross section of conductors**
(In)	**IP44 / IP67 Fair-lead**	**IP67 Cable gland**	**Solid cables / stranded wire cables / flexible cables**
16 A	8 - 15 mm	PG16 (PG21 5P)	1 to 4 mm^2
32 A	11.5 - 21 mm	PG21	2.5 to 10 mm^2

Code of wander plugs angled 90°

Rating		**Rated voltage**											
		100 - 130 V AC			**200 - 250 V AC**			**380 - 415 V AC**			**480 - 500 V AC**		
Poles and wires		**2P + ⏚**	**3P + ⏚**	**3P+N + ⏚**	**2P + ⏚**	**3P + ⏚**	**3P+N + ⏚**	**2P + ⏚**	**3P + ⏚**	**3P+N + ⏚**	**2P + ⏚**	**3P + ⏚**	**3P+N + ⏚**
IP44	16 A	-	-	-	-	-	-	-	-	**81709**	-	-	-
	32 A	-	-		**81716**	-	-	-	-	**81721**	-		
IP67	16 A	-	-	-	**81754**	-	-	-	**81758**	**81759**	-	-	-
	32 A	-	-	-	**81766**	-	-	-	**81770**	**81771**	-	-	-

PG149032 

81770

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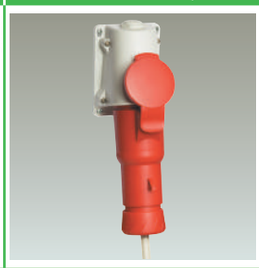
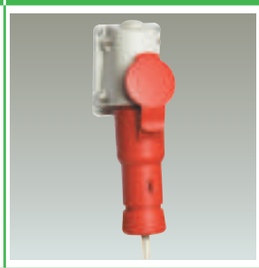
PratiKa plugs
Low voltage
Wall-mounted plugs

Technical data

			FAST connection, without screws	SCREW connection
			PB102233  PB102205	PB102233 
Main characteristics			**They can be installed on an appliance to enable supply by wander socket.**	
Degree of protection	According to IEC 60529	16 and 32 A	IP44	IP44
	According to IEC 62262	Against external mechanical impacts	IK08	IK08
Materials			Housing made of self-extinguishing polymer	Housing made of self-extinguishing polymer
			Pins screw made of nickel-plated brass	Pins screw made of nickel-plated brass
			Stainless steel	Stainless steel
Resistance to fire and abnormal heat	According to IEC 60695-2-11	Glow wire test	750°C	750°C
Connection terminals			Without screws and without stripping the conductor	Captive screws, completely loosened

Connection

	FAST connection, without screws			SCREW connection
Rating	**Cable entry**		**Maximum cross section of conductors**	**Maximum cross section of conductors**
(In)	**Cable diameter**	**IP44 Cable entry**	**IEC 60309-1/A1, 60309-2/A1 Stranded wire cables / flexible cables**	**Solid cables / stranded wire cables / flexible cables**
16 A	Max. 21 mm	M25 threaded nut	1 to 2.5 mm^2	1 to 4 mm^2
32 A	Max. 21 mm	M25 threaded nut	2.5 to 6 mm^2	2.5 to 10 mm^2

Code of wall-mounted plugs

Rating		Rated voltage											
		100 - 130 V AC			200 - 250 V AC			380 - 415 V AC			480 - 500 V AC		
Poles and wires		2P + ⏚	3P + ⏚	3P+N + ⏚	2P + ⏚	3P + ⏚	3P+N + ⏚	2P + ⏚	3P + ⏚	3P+N + ⏚	2P + ⏚	3P + ⏚	3P+N + ⏚
FAST connection, without screws													
IP44	16 A	PKX16W413	PKX16W414	PKX16W415	PKX16W423	PKX16W424	PKX16W425	PKX16W433	PKX16W434	PKX16W435	-	PKX16W444	PKX16W445
	32 A	PKX32W413	PKX32W414	PKX32W415	PKX32W423	PKX32W424	PKX32W425	PKX32W433	PKX32W434	PKX32W435	-	PKX32W444	PKX32W445
SCREW connection													
IP44	16 A	-	PKE16W414	-	PKE16W423	-	-	PKE16W433	PKE16W434	PKE16W435	-	PKE16W444	PKE16W445
	32 A	-	PKE32W414	PKE32W415	PKE32W423	PKE32W424	-	PKE32W433	PKE32W434	PKE32W435	-	-	-

PB102307 
PKX16W435

PB102253 
PKE16W435

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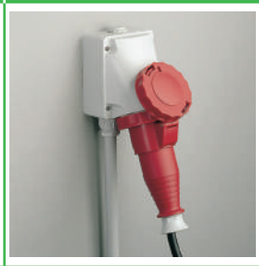
PratiKa plugs
Low voltage
Wall-mounted plugs with back box

Technical data

			SCREW connection
			PB102226 
Main characteristics			**They can be installed on an appliance to enable supply by wander socket.**
Degree of protection	According to IEC 60529	16 and 32 A	IP44
			IP67
		63 and 125 A	IP67
	According to IEC 62262	Against external mechanical impacts	IK08
Materials			Housing made of self-extinguishing polymer
			Pins made of nickel-plated brass
			Stainless steel screws
Pilot contact			Available in the 63 A and 125 A
Resistance to fire and abnormal heat	According to IEC 60695-2-11	Glow wire test	850°C
Connection terminals			Captive screws, completely loosened

Connection

	SCREW connection		
Rating	**Cable entry**		**Maximum cross section of conductors**
(In)	**IP44 M25 nut**	**IP67 Cable gland**	**Solid and stranded wire flexible cabless**
16 A	8 - 21 mm	PG16 (PG21 5P)	1 to 4 mm^2
32 A	11.5 - 21 mm	PG21	2.5 to 10 mm^2
63 A	-	PG29	6 to 25 mm^2
125 A	-	PG48	16 to 70 mm^2

Code of wall-mounted plugs

Rating		**Rated voltage**											
		100 - 130 V AC			**200 - 250 V AC**			**380 - 415 V AC**			**480 - 500 V AC**		
Poles and wires		**2P + ⏚**	**3P + ⏚**	**3P+N + ⏚**	**2P + ⏚**	**3P + ⏚**	**3P+N + ⏚**	**2P + ⏚**	**3P + ⏚**	**3P+N + ⏚**	**2P + ⏚**	**3P + ⏚**	**3P+N + ⏚**
SCREW connection													
IP44	16 A	-	-	-	**83504**	-	**83506**	-	-	**83509**	-	-	-
	32 A	-	-	-	**83516**	-	-	-	**83520**	**83521**	-	-	-
IP67	16 A	-	-	**83553**	**83554**	-	**83556**	-	**83558**	**83559**	-	-	-
	32 A	-	-	-	**83566**	**83567**	-	**83569**	**83570**	**83571**	-	-	-
	63 A	-	-	-	**81578**	-	-	-	**81582**	**81583**	-	**81585**	**81586**
	125 A	-	-	-	**81590**	**81591**	-	-	**81594**	**81595**	-	-	-

PG149101 

83504

PG149106 

83571

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PratiKa plugs
Low voltage
Panel-mounted plugs

Technical data

			Straight SCREW connection	Angled SCREW connection
			PB102304 	PB102230 
Main characteristics			**They can be installed on an appliance to enable supply by wander socket.**	
Degree of protection	According to IEC 60529	16 and 32 A	-	IP44
			-	IP67
		63 and 125 A	IP67	-
	According to IEC 62262	Against external mechanical impacts	IK08	IK08
Materials			Housing made of self-extinguishing polymer	Housing made of self-extinguishing polymer
			Pins made of nickel-plated brass	Pins made of nickel-plated brass
			Stainless steal screws	Stainless steal screws
Pilot contact			Included in the 63 A and 125 A	-
Resistance to fire and abnormal heat	According to IEC 60695-2-11	Glow wire test	850°C	850°C
Connection terminals			Captive screws, completely loosened	Captive screws, completely loosened
Flange dimensions (IP44 - IP67)	16 A	2P + ⏚, 3P + ⏚	-	65 x 85 mm
		3P + N + ⏚	-	90 x 100 mm
	32 A		-	90 x 100 mm
	63 A		100 x 107 mm	-
	125 A		110 x 114 mm	-

Connection

	Straight SCREW connection	Angled SCREW connection
Rating	**Maximum cross section of conductors**	
(In)	**Solid, stranded and flexible cables**	
16 A	-	1 to 4 mm^2
32 A	-	2.5 to 10 mm^2
63 A	6 to 25 mm^2	-
125 A	16 to 70 mm^2	-

Note: for a correct use of the IP67-63 A, a minimum clearance of 105 mm is required for the movement of hinged cover (see details at "Retaining means for IP67 panel mounted plugs" on the dimensions page).

Code of panel-mounted plugs

Rating		Rated voltage											
		100 - 130 V AC			200 - 250 V AC			380 - 415 V AC			480 - 500 V AC		
Poles and wires		2P + ⏚	3P + ⏚	3P+N + ⏚	2P + ⏚	3P + ⏚	3P+N + ⏚	2P + ⏚	3P + ⏚	3P+N + ⏚	2P + ⏚	3P + ⏚	3P+N + ⏚
Angled SCREW connection													
IP44	16 A	-	**81802**	-	**81804**	-	-	**81807**	**81808**	**81809**	-	-	-
	32 A	-	-	-	**81816**	-	-	-	**81820**	**81821**	-	-	-
IP67	16 A	-	-	-	**83854**	-	-	-	**83858**	**83859**	-	**83861**	**83862**
	32 A	**83863**	-	-	**83866**	**83867**	-	-	**83870**	**83871**	-	-	-
Straight SCREW connection													
IP67	63 A	-	-	-	**81878**	**81879**	-	-	**81882**	**81883**	-	-	-
	125 A	-	-	-	**81890**	-	-	-	**81894**	**81895**	-	-	-

Caps to cover plugs with IP67

Rating	Code		
Poles and wires	2P + ⏚	3P + ⏚	3P+N + ⏚
IP67 16 A	**83933**	**83934**	**83935**
32 A	**83936**	**83936**	**83937**

PG149075 
81895

PG149075 
81804

PG149075 
83871

PG149075 
83934

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PratiKa plugs
Low voltage
System adapters

Technical data

			System adapters
			PB102233 
Main characteristics			**They enable the conversion of an industrial plug system into a domestic one. They can be used for temporary situations only and in certain industrial environments where there is no danger of explosions or fire.**
Conceived in conformity with standards			EN 50250
			IEC 60309-1, IEC 60309-2 and IEC 60309-4
Degree of protection	According to IEC 60529		IP20
	According to IEC 62262	Against external mechanical impacts	IK08
Materials			Housing made of self-extinguishing polymer
			Pins made of nickel-plated brass
			Stainless steel screws
Resistance to fire and abnormal heat	According to IEC 60695-2-11	Glow wire test	850°C

Code of System Adapters

Rating	**Rated voltage**			
	200 - 250 V AC			
Industrial plug side - Current and Poles	**2P + ⏚**			
16 A	**PKZA201**	**PKZA202**	**PKZA203**	**PKZA204**
Socket side - Number and type	1 socket - 10/16 A	2 sockets - 10/16 A	1 socket - 16 A	1 socket - 10/16 A
Standard	Italy		Germany	France

PB102182 
PKZA201

PB102183 
PKZA202

PB102184 
PKZA203

PB102185 
PKZA204

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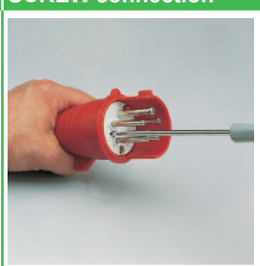
PratiKa plugs
Low voltage
Plugs with phase inverter

The PratiKa plugs with phase inverters provide a safe, rapid solution to electrical connection problems in all rotary machines.
In fact, they permit a rapid inversion of the positions of the two pins and the phase order and, subsequently, the machine rotation direction, without having to open the plug and act on the connections.
This is achieved by simply pressing with a screwdriver on the specific area with a 180° rotation of the contact-gate block clockwise or counter-clockwise, until total inversion of the phases is obtained.

Solution for rapid inversion of electric motor rotation

The range includes different models:
- wander plugs,
- wander plugs angled 90°,
- wall-mounting plugs,
- panel-mounting plugs.

Technical data

	SCREW connection
	PB102232  PB102231 
Main characteristics	
Degree of protection According to IEC 60529	IP44
	IP67
Materials	Housing made of self-extinguishing polymer
	Pins made of nickel-plated brass
	Stainless steel screws
Resistance to fire and abnormal heat According to IEC 60695-2-11 Glow wire test	850°C
Operating frequency	50/60 Hz
Connection terminals	Captive screws, completely loosened

Connection

	SCREW connection		
Rating	**Cable entry**		**Maximum cross section of conductors**
(In)	**IP44 / IP67 Fair-lead**	**IP67 Cable gland**	**Solid and stranded wire flexible cables**
16 A	8 - 15 mm	PG16 (PG21 5P)	1 to 4 mm^2

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PratiKa plugs
Low voltage
Plugs with phase inverter



83902



83912

Code of wander plugs with phase inverter

Rating	Rated voltage							
	100 - 130 V AC		200 - 250 V AC		380 - 415 V AC		480 - 500 V AC	
Poles and wires	3P + ⏚	3P+N + ⏚	3P + ⏚	3P+N + ⏚	3P + ⏚	3P+N + ⏚	3P + ⏚	3P+N + ⏚
IP44 16 A	-	-	83901	83906	83902	83903	-	-
IP67 16 A	-	-	-	-	83912	83913	-	-



83581

Code of wall-mounted plugs with phase inverter

Rating	Rated voltage							
	100 - 130 V AC		200 - 250 V AC		380 - 415 V AC		480 - 500 V AC	
Poles and wires	3P + ⏚	3P+N + ⏚	3P + ⏚	3P+N + ⏚	3P + ⏚	3P+N + ⏚	3P + ⏚	3P+N + ⏚
IP44 16 A	-	-	-	-	-	83531	83532	-
IP67 16 A	-	-	-	83579	83580	83581	-	-



83880

Code of panel-mounted plugs with phase inverter

Rating	Rated voltage							
	100 - 130 V AC		200 - 250 V AC		380 - 415 V AC		480 - 500 V AC	
Poles and wires	3P + ⏚	3P+N + ⏚	3P + ⏚	3P+N + ⏚	3P + ⏚	3P+N + ⏚	3P + ⏚	3P+N + ⏚
IP44 16 A	-	-	-	-	-	83831	-	83833
IP67 16 A	-	-	-	-	83880	83881	-	-



83934

Caps to cover plugs and IP67

Rating	Code	
Poles and wires	3P + ⏚	3P+N + ⏚
IP67 16 A	83934	83935

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PratiKa plugs
Extra-low voltage
Selection guide

PratiKa plugs 16 - 32 A





Rated current	Poles and wires	Freq.	Rated voltage	Clock position of secondary keyway	Wander plugs		Wall-mounted plugs
		Hz			IP44	IP67	IP44
16 A	2P	50/60	20-25 V AC	s.r.	82301	82351	82501
	3P	50/60		s.r.	82302	82352	-
	2P	50/60	40-50 V AC	12 h	82303	82353	-
	3P	50/60		12 h	82304	82354	82504
	2P	100/200	20-25 V AC / 40-50 V AC	4 h	82305	82355	-
	3P	100/200		4 h	82306	82356	-
	2P	401/500		11 h	-	-	-
	3P	401/500		11 h	-	-	-
	2P	⎓	20-25 V AC / 40-50 V AC	10 h	-	82363	82513
32 A	2P	50/60	20-25 V AC	s.r.	82315	82365	-
	3P	50/60		s.r.	-	82366	-
	2P	50/60	40-50 V AC	12 h	-	82367	-
	3P	50/60		12 h	82318	82368	-
	2P	100/200	20-25 V AC / 40-50 V AC	4 h	-	-	-
	3P	100/200		4 h	82320	82370	-
	2P	401/500		11 h	82325	-	-
	3P	401/500		11 h	-	-	-
	2P	⎓	20-25 V AC / 40-50 V AC	10 h	-	82377	-

Technical data, see page **25**

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PratiKa plugs
Extra-low voltage
Wander plugs and wall-mounted plugs

Technical data

			Wander plugs	Wall-mounted plugs
			PB102200 	PB102242 
Main characteristics			**Installations and wander sockets can be powered by a flexible cable.**	**They can be wall-mounted to supply appliances with wander plugs.**
Degree of protection	According to IEC 60529	16 and 32 A	IP44	IP44
			IP67	IP67
	According to IEC 62262	Against external mechanical impacts	IK08	IK08
Materials			Housing made of self-extinguishing polymer	Housing made of self-extinguishing polymer
			Pins made of nickel-plated brass	Pins made of nickel-plated brass
			Stainless steel screw	Stainless steel screw
Resistance to fire and abnormal heat	According to IEC 60695-2-11	Glow wire test	850°C	850°C
Connection terminals			Captive screws, completely loosened	Captive screws, completely loosened

Connection

	Wander plugs and wall-mounted plugs		
Rating	**Cable entry**		**Maximum cross section of conductors**
(In)	**IP44 / IP67 Fair-lead**	**IP67 Cable gland**	**Solid and stranded wire flexible cables**
16 A	6 - 23 mm	PG21	4 to 10 mm²
32 A	6 - 23 mm	PG21	4 to 10 mm²

Code of wander plugs

Rating	**Rated voltage**									
	20-25 V 50/60 Hz		**40-50 V 50/60 Hz**		**20-25 V / 40-50 V 100-200 Hz**		**401-500 Hz**		**20-25 V / 40-50 V ⎓**	
Poles and wires	**2P**	**3P**	**2P**	**3P**	**2P**	**3P**	**2P**	**3P**	**2P**	**3P**
IP44 16 A	**82301**	**82302**	**82303**	**82304**	**82305**	**82306**	**-**	**-**	**-**	**-**
32 A	**82315**	**-**	**-**	**82318**	**-**	**82320**	**82325**	**-**	**-**	**-**
IP67 16 A	**82351**	**82352**	**82353**	**82354**	**82355**	**82356**	**-**	**-**	**82363**	**-**
32 A	**82365**	**82366**	**82367**	**82368**	**-**	**82370**	**-**	**-**	**82377**	**-**

Code of wall-mounted plugs

Rating	**Rated voltage**									
	20-25 V 50/60 Hz		**40-50 V 50/60 Hz**		**20-25 V / 40-50 V 100-200 Hz**		**401-500 Hz**		**20-25 V / 40-50 V ⎓**	
Poles and wires	**2P**	**3P**	**2P**	**3P**	**2P**	**3P**	**2P**	**3P**	**2P**	**3P**
IP44 16 A	**82501**	**-**	**-**	**82504**	**-**	**-**	**-**	**-**	**82513**	**-**
32 A	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**

PG149088 
82301

PG149080 
82368

PG149112 
82501

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PratiKa sockets
Low voltage
Selection guide

PratiKa sockets 16 - 32 A








Rated current	Poles and wires	Freq.	Rated voltage	Clock position of contact	Wander sockets FAST connect		Panel mounted sockets Angled		Straight	
		Hz			IP44	IP67	IP44	IP67	IP44	IP67
16 A	2P + ⏚	50/60	100-130 V AC	4 h	PKY16M413	PKY16M713	PKY16F413	PKY16F713	-	-
	3P + ⏚	50/60		4 h	PKY16M414	PKY16M714	PKY16F414	PKY16F714	-	PKY16G714
	3P+N + ⏚	50/60		4 h	PKY16M415	PKY16M715	PKY16F415	PKY16F715	-	-
	2P + ⏚	50/60	200-250 V AC	6 h	PKY16M423	PKY16M723	PKY16F423	PKY16F723	PKY16G423	PKY16G723
	3P + ⏚	50/60		9 h	PKY16M424	PKY16M724	PKY16F424	PKY16F724	-	-
	3P+N + ⏚	50/60		9 h	PKY16M425	PKY16M725	PKY16F425	PKY16F725	-	PKY16G725
	2P + ⏚	50/60	380-415 V AC	9 h	PKY16M433	PKY16M733	PKY16F433	PKY16F733	-	-
	3P + ⏚	50/60		6 h	PKY16M434	PKY16M734	PKY16F434	PKY16F734	PKY16G434	PKY16G734
	3P+N + ⏚	50/60		6 h	PKY16M435	PKY16M735	PKY16F435	PKY16F735	PKY16G435	PKY16G735
	3P + ⏚	50/60	480-500 V AC	7 h	PKY16M444	PKY16M744	PKY16F444	PKY16F744	-	-
	3P+N + ⏚	50/60		7 h	PKY16M445	PKY16M745	PKY16F445	PKY16F745	-	-
32 A	2P + ⏚	50/60	100-130 V AC	4 h	PKY32M413	PKY32M713	PKY32F413	PKY32F713	-	-
	3P + ⏚	50/60		4 h	PKY32M414	PKY32M714	PKY32F414	PKY32F714	-	-
	3P+N + ⏚	50/60		4 h	PKY32M415	PKY32M715	PKY32F415	PKY32F715	-	-
	2P + ⏚	50/60	200-250 V AC	6 h	PKY32M423	PKY32M723	PKY32F423	PKY32F723	PKY32G423	PKY32G723
	3P + ⏚	50/60		9 h	PKY32M424	PKY32M724	PKY32F424	PKY32F724	-	-
	3P+N + ⏚	50/60		9 h	PKY32M425	PKY32M725	PKY32F425	PKY32F725	-	-
	2P + ⏚	50/60	380-415 V AC	9 h	PKY32M433	PKY32M733	PKY32F433	PKY32F733	-	-
	3P + ⏚	50/60		6 h	PKY32M434	PKY32M734	PKY32F434	PKY32F734	PKY32G434	PKY32G734
	3P+N + ⏚	50/60		6 h	PKY32M435	PKY32M735	PKY32F435	PKY32F735	PKY32G435	PKY32G735
	3P + ⏚	50/60	380-440 V AC	3 h	-	PKY32M7C4	-	PKY32F7C4	-	-
	3P + ⏚	50/60	480-500 V AC	7 h	PKY32M444	PKY32M744	PKY32F444	PKY32F744	PKY32G444	-
	3P+N + ⏚	50/60		7 h	PKY32M445	PKY32M745	PKY32F445	PKY32F745	PKY32G445	-
Technical data, see page					28		32			

PratiKa sockets 63 - 125 A






Rated current	Poles and wires	Freq.	Rated voltage	Clock position of contact	Wander sockets SCREW connect	Wall-mounted sockets Angled SCREW connect	Straight SCREW connect	With back box SCREW connect
		Hz			IP67	IP67	IP67	IP67
63 A	3P + ⏚	50/60	100-130 V AC	4 h	81476	81276	81676	-
	3P+N + ⏚	50/60		4 h	81477	-	81677	-
	2P + ⏚	50/60	200-250 V AC	6 h	81478	81278	81678	81178
	3P + ⏚	50/60		9 h	81479	-	81679	81179
	3P+N + ⏚	50/60		9 h	81480	-	81680	-
	3P + ⏚	50/60	380-415 V AC	6 h	81482	81282	81682	81182
	3P+N + ⏚	50/60		6 h	81483	81283	81683	81183
	3P + ⏚	50/60	480-500 V AC	7 h	81485	81285	81685	81185
	3P+N + ⏚	50/60		7 h	81486	81286	81686	81186
125 A	3P + ⏚	50/60	100-130 V AC	4 h	81488	-	81688	-
	3P+N + ⏚	50/60		4 h	81489	-	81689	-
	2P + ⏚	50/60	200-250 V AC	6 h	81490	81290	81690	-
	3P + ⏚	50/60		9 h	81491	-	81691	81191
	3P+N + ⏚	50/60		9 h	81492	-	81692	81192
	3P + ⏚	50/60	380-415 V AC	6 h	81494	81294	81694	81194
	3P+N + ⏚	50/60		6 h	81495	81295	81695	81195
	3P + ⏚	50/60	480-500 V AC	7 h	81497	-	81697	-
	3P+N + ⏚	50/60		7 h	81498	-	81698	-
Technical data, see page					28	29	33	30

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	Wander sockets		Panel mounted sockets				Wall-mounted sockets				
			Angled		Straight					With back box	
	SCREW connect						FAST	SCREW connect			
	IP44	IP67	IP44	IP67	IP44	IP67	IP44	IP44	IP67	IP44	IP67
	-	-	PKF16F413	PKF16F713	PKF16G413	-	-	PKF16W413	-	-	83151
	PKF16M414	-	PKF16F414	PKF16F714	-	-	-	PKF16W414	-	-	83152
	-	-	PKF16F415	PKF16F715	-	-	-	PKF16W415	-	-	83153
	PKF16M423	PKF16M723	PKF16F423	PKF16F723	PKF16G423	PKF16G723	PKY16W423	PKF16W423	PKF16W723	83104	83154
	PKF16M424	-	PKF16F424	PKF16F724	PKF16G424	-	PKY16W424	PKF16W424	PKF16W724	-	83155
	PKF16M425	-	PKF16F425	PKF16F725	-	-	-	PKF16W425	PKF16W725	83106	83156
	PKF16M433	PKF16M733	PKF16F433	PKF16F733	PKF16G433	-	-	PKF16W433	PKF16W733	-	83157
	PKF16M434	PKF16M734	PKF16F434	PKF16F734	PKF16G434	PKF16G734	PKY16W434	PKF16W434	PKF16W734	83108	83158
	PKF16M435	PKF16M735	PKF16F435	PKF16F735	PKF16G435	PKF16G735	PKY16W435	PKF16W435	PKF16W735	83109	83159
	-	PKF16M744	PKF16F444	PKF16F744	-	-	-	PKF16W444	PKF16W744	83111	83161
	-	PKF16M745	PKF16F445	PKF16F745	-	-	-	PKF16W445	-	-	83162
	-	-	PKF32F413	PKF32F713	-	-	-	PKF32W413	-	-	83163
	-	-	PKF32F414	PKF32F714	-	-	-	PKF32W414	-	-	83164
	-	-	PKF32F415	PKF32F715	PKF32G415	-	-	PKF32W415	-	-	83165
	PKF32M423	PKF32M723	PKF32F423	PKF32F723	PKF32G423	PKF32G723	PKY32W423	PKF32W423	PKF32W723	83116	83166
	PKF32M424	PKF32M724	PKF32F424	PKF32F724	-	-	-	PKF32W424	PKF32W724	83117	83167
	PKF32M425	-	PKF32F425	PKF32F725	-	-	-	PKF32W425	-	-	83168
	-	PKF32M733	PKF32F433	PKF32F733	-	-	-	PKF32W433	PKF32W733	-	83169
	PKF32M434	PKF32M734	PKF32F434	PKF32F734	PKF32G434	PKF32G734	PKY32W434	PKF32W434	PKF32W734	83120	83170
	PKF32M435	PKF32M735	PKF32F435	PKF32F735	PKF32G435	PKF32G735	PKY32W435	PKF32W435	PKF32W735	83121	83171
	-	PKF32M7C4	-	PKF32F7C4	-	PKF32G7C4	-	-	PKF32W7C4	-	81199
	-	PKF32M744	-	PKF32F744	-	-	-	PKF32W444	-	83123	83173
	PKF32M445	PKF32M745	PKF32F445	-	-	-	-	PKF32W445	-	-	83174
	28		33				29			30	

PratiKa domestic sockets 10 - 16 A





Rated current	Poles and wires	Freq.	Rated voltage	Type	Domestic sockets 50 x 50			Domestic sockets 65 x 85			
					Code grey	Code blue	Code black	Code grey		Code blue	Code black
		Hz		Standard	IP54	IP54	IP54	IP54	IP65	IP54	IP54
10 - 16 A	2P + ⏚	50/60	200-250 V AC	Italy	-	-	-	-	81139	-	-
					-	-	-	-	81146	-	-
				French	PKN51G	PKN51B	PKN51N	PKN61G	81140	PKN61B	PKN61N
					-	-	-	-	-	PKN62B	-
				Germay	PKS51G	PKS51B	PKS51N	PKS61G	81141	PKS61B	PKS61N
					PKS52G	PKS52B	PKS52N	PKS62G	-	PKS62B	-
				England	-	-	-	-	-	-	-
				Switzerland	-	-	-	-	-	-	-
Description											
Support with 1 adapter RJ45 + (50/60 Hz)					-	-	-	-	81142	-	-
Support with 2 adapters RJ45 + (50/60 Hz)					-	-	-	-	81143	-	-
Technical data, see page					35						

Learn how to define your PratiKa : industrial sockets

PKY 16 M 4 2 3

Versions
PKY = FAST socket
PKF = SCREW socket

Current (A)
16
32

Execution
M = Wander
F = Flush angled (panel mounted)
G = Flush straight (panel mounted)
W = Wall mounted

Protection
4 = IP44
7 = IP67

Voltage
1 = 110 V
2 = 220 V
3 = 380 V
4 = 480 V
C = For container

Poles
3 = 2P + ⏚
4 = 3P + ⏚
5 = 3P+N + ⏚

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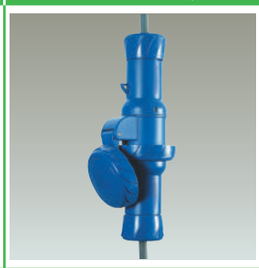
PratiKa sockets
Low voltage
Wander sockets

Technical data

			FAST connection, without screws	SCREW connection
			PB102199  PB102205	PB102234 
Main characteristics			**Designed to supply fixed or movable equipment by a flexible cable.**	
Degree of protection	According to IEC 60529	16 and 32 A	IP44	IP44
			IP67	IP67
		63 and 125 A	-	IP67
	According to IEC 62262	Against external mechanical impacts	IK08	IK08
Materials			Housing made of self-extinguishing polymer	Housing made of self-extinguishing polymer
			Sleeves made of brass	Sleeves made of brass
			Springs and pins made of stainless steel	Springs and pins made of stainless steel
Pilot contact			-	Included in the 63 A and 125 A
Resistance to fire and abnormal heat	According to IEC 60695-2-11	Glow wire test	850°C	850°C
Connection terminals			Without screws and without stripping the conductor	Captive screws, completely loosened

Connection

	FAST connection, without screws		SCREW connection		
Rating	**Cable entry**	**Maximum cross section of conductors**	**Cable entry**		**Maximum cross section of conductors**
(In)	**IP44 / IP67 Fair-lead and cable clamp**	**IEC 60309-1/A1, 60309-2/A1 Stranded wire cables / flexible cables**	**IP44 / IP67 Fair-lead and cable clamp**	**IP67 Cable gland**	**Solid cables / stranded wire cables / flexible cables**
16 A	8 - 15 mm	1 to 2.5 mm^2	8 - 15 mm	-	1 to 4 mm^2
32 A	11.5 - 21 mm	2.5 to 6 mm^2	11.5 - 21 mm	-	2.5 to 10 mm^2
63 A	-	-	-	17 - 31 mm / PG36	6 to 25 mm^2
125 A	-	-	-	26 - 48 mm / PG48	16 to 70 mm^2

Code of wander sockets

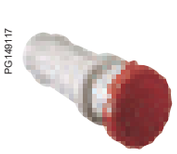
Rating		**Rated voltage**												
		100 - 130 V AC			**200 - 250 V AC**			**380 - 415 V AC**			**480 - 500 V AC**			
Poles and wires		**2P + ⏚**	**3P + ⏚**	**3P+N + ⏚**	**2P + ⏚**	**3P + ⏚**	**3P+N + ⏚**	**2P + ⏚**	**3P + ⏚**	**3P+N + ⏚**	**2P + ⏚**	**3P + ⏚**	**3P+N + ⏚**
FAST connection, without screws														
IP44	16 A	**PKY16M413**	**PKY16M414**	**PKY16M415**	**PKY16M423**	**PKY16M424**	**PKY16M425**	**PKY16M433**	**PKY16M434**	**PKY16M435**	-	**PKY16M444**	**PKY16M445**
	32 A	**PKY32M413**	**PKY32M414**	**PKY32M415**	**PKY32M423**	**PKY32M424**	**PKY32M425**	**PKY32M433**	**PKY32M434**	**PKY32M435**	-	**PKY32M444**	**PKY32M445**
IP67	16 A	**PKY16M713**	**PKY16M714**	**PKY16M715**	**PKY16M723**	**PKY16M724**	**PKY16M725**	**PKY16M733**	**PKY16M734**	**PKY16M735**	-	**PKY16M744**	**PKY16M745**
	32 A	**PKY32M713**	**PKY32M714**	**PKY32M715**	**PKY32M723**	**PKY32M724**	**PKY32M725**	**PKY32M733**	**PKY32M734**	**PKY32M735**	-	**PKY32M744**	**PKY32M745**
SCREW connection														
IP44	16 A	-	**PKF16M414**	-	**PKF16M423**	**PKF16M424**	**PKF16M425**	**PKF16M433**	**PKF16M434**	**PKF16M435**	-	-	-
	32 A	-	-	-	**PKF32M423**	**PKF32M424**	**PKF32M425**	-	**PKF32M434**	**PKF32M435**	-	-	**PKF32M445**
IP67	16 A	-	-	-	**PKF16M723**	-	-	**PKF16M733**	**PKF16M734**	**PKF16M735**	-	**PKF16M744**	**PKF16M745**
	32 A	-	-	-	**PKF32M723**	**PKF32M724**	-	**PKF32M733**	**PKF32M734**	**PKF32M735**	-	**PKF32M744**	**PKF32M745**
	63 A	-	**81476**	**81477**	**81478**	**81479**	**81480**	-	**81482**	**81483**	-	**81485**	**81486**
	125 A	-	**81488**	**81489**	**81490**	**81491**	**81492**	-	**81494**	**81495**	-	**81497**	**81498**

PG149134 
PKY16M423

PG149139 
PKY16M733

PG149126 
PKF16M423

PG149131 
PKF16M733

PG149117 
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PratiKa sockets
Low voltage
Wall-mounted sockets

Technical data

			FAST connection, without screws	SCREW connection
			PB102305 	PB102235 
Main characteristics			**They can be wall-mounted to supply appliances with wander plugs. They are very compact in dimensions.**	
Degree of protection	According to IEC 60529	16 and 32 A	IP44	IP44
			-	IP67
	According to IEC 62262	Against external mechanical impacts	IK08	IK08
Materials			Housing made of self-extinguishing polymer	Housing made of self-extinguishing polymer
			Sleeves made of brass	Sleeves made of brass
			Screws and springs made of stainless steel	Screws and springs made of stainless steel
Resistance to fire and abnormal heat	According to IEC 60695-2-11	Glow wire test	750°C	750°C
Connection terminals			Without screws and without stripping the conductor	Captive screws, completely loosened

Connection

	FAST connection, without screws			SCREW connection		
Rating	**Cable diameter**	**Cable entry**	**Maximum cross section of conductors**	**Cable diameter**	**Cable entry**	**Maximum cross section of conductors**
(In)		**IP44**	**IEC 60309-1/A1, 60309-2/A1 Stranded wire cables / flexible cables**		**IP44 / IP67**	**Solid cables / stranded wire cables / flexible cables**
16 A	Max 21,0 mm	M25 threaded nut	1 to 2.5 mm^2	Max 21,0 mm	**IP44** M25 threaded nut, cable gland **IP67**	1 to 4 mm^2
32 A			2.5 to 6 mm^2			2.5 to 10 mm^2

Code of Wall-mounted sockets

Rating		Rated voltage												
		100 - 130 V AC			200 - 250 V AC			380 - 415 V AC			480 - 500 V AC		
Poles and wires		2P + ⏚	3P + ⏚	3P+N + ⏚	2P + ⏚	3P + ⏚	3P+N + ⏚	2P + ⏚	3P + ⏚	3P+N + ⏚	2P + ⏚	3P + ⏚	3P+N + ⏚
FAST connection													
IP44	16 A	-	-	-	**PKY16W423**	**PKY16W424**	-	-	**PKY16W434**	**PKY16W435**	-	-	-
	32 A	-	-	-	**PKY32W423**	-	-	-	**PKY32W434**	**PKY32W435**	-	-	-
SCREW connection													
IP44	16 A	**PKF16W413**	**PKF16W414**	**PKF16W415**	**PKF16W423**	**PKF16W424**	**PKF16W425**	**PKF16W433**	**PKF16W434**	**PKF16W435**	-	**PKF16W444**	**PKF16W445**
	32 A	**PKF32W413**	**PKF32W414**	**PKF32W415**	**PKF32W423**	**PKF32W424**	**PKF32W425**	**PKF32W433**	**PKF32W434**	**PKF32W435**	-	**PKF32W444**	**PKF32W445**
SMALL - SCREW connection													
IP67	16 A	-	-	-	**PKF16W723**	**PKF16W724**	**PKF16W725**	**PKF16W733**	**PKF16W734**	**PKF16W735**	-	**PKF16W744**	-
	32 A	-	-	-	**PKF32W723**	**PKF32W724**	-	**PKF32W733**	**PKF32W734**	**PKF32W735**	-	-	-

PB102306 
PKY32W435

PB102229b 
PKF16W434

PB102229b 
PKF32W734

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PratiKa sockets
Low voltage
Wall-mounted sockets with Back box

Technical data

			Sockets with Back box
			PB102236  PG149143 
Main characteristics			**They can be wall-mounted to supply appliances with wander plugs.**
Degree of protection	According to IEC 60529	16 and 32 A	IP44
			IP67
		63 A and 125 A	IP67
	According to IEC 62262	Against external mechanical impacts	IK08 for 16 - 32 A IK10 for 63 - 125 A
Materials			Housing made of self-extinguishing polymer
			Sleeves made of nickel-plated brass
			Screws, pins and springs made of stainless steel
Pilot contact			Included in the 63 A and 125 A
Resistance to fire and abnormal heat	According to IEC 60695-2-11	Glow wire test	850°C
Connection terminals			Captive screws, completely loosened

Connection

	Sockets with Back box		
Rating	**Cable entry**		**Maximum cross section of conductors**
(In)	**IP44 / IP67 Fair-lead**	**IP67 Cable gland**	**Solid and cables stranded wire cables flexibles**
16 A	8 - 15 mm	PG16 (PG21 5P)	1 to 4 mm^2
32 A	11.5 - 21 mm	PG21	2.5 to 10 mm^2
63 A	-	PG29	6 to 25 mm^2
125 A	-	PG48	16 to 70 mm^2

Code of wall-mounted socket with Back box

Rating	**Rated voltage**											
	100 - 130 V AC			**200 - 250 V AC**			**380 - 415 V AC**			**480 - 500 V AC**		
Poles and wires	**2P + ⏚**	**3P + ⏚**	**3P+N + ⏚**	**2P + ⏚**	**3P + ⏚**	**3P+N + ⏚**	**2P + ⏚**	**3P + ⏚**	**3P+N + ⏚**	**2P + ⏚**	**3P + ⏚**	**3P+N + ⏚**
IP44 16 A	-	-	-	**83104**	-	**83106**	-	**83108**	**83109**	-	**83111**	-
32 A	-	-	-	**83116**	**83117**	-	-	**83120**	**83121**	-	**83123**	-
IP67 16 A	**83151**	**83152**	**83153**	**83154**	**83155**	**83156**	**83157**	**83158**	**83159**	-	**83161**	**83162**
32 A	**83163**	**83164**	**83165**	**83166**	**83167**	**83168**	**83169**	**83170**	**83171**	-	**83173**	**83174**
63 A	-	**81176**	**81177**	**81178**	**81179**	**81180**	-	**81182**	**81183**	-	**81185**	**81186**
125 A	-	-	**81189**	**81190**	**81191**	**81192**	-	**81194**	**81195**	-	**81197**	**81198**

PG149166 
83104

PG149171 
83171

PG149143 
81195

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PratiKa sockets
Low voltage
Back box wall-mounted for PratiKa panel and sockets

Technical data

			Back box wall-mounted
			PB102314 
Main characteristics			**They can be wall-mounted to supply appliances with wander plugs. The back box permit the use of panel sockets PratiKa, both screw and fast version, to create a wall installation with horizontal or angled outlet.**
Degree of protection	According to IEC 60529	16 and 32 A	IP44
			IP67 (box + panel socket)
	According to IEC 62262	Against external mechanical impacts	IK09
Materials			Housing made of self-extinguishing polymer
			Screws, made of stainless steel
Resistance to fire and abnormal heat	According to IEC 60695-2-11	Glow wire test	850°C

Connection

Back box wall-mounted		
Rating	**Cable entry**	
(In)	**IP44/IP67**	**Cable diameter**
16 A and 32 A	M25 cable gland	Max 21 mm
	Possibility to make in/out in the bottom part of the box (position for drilling M20, M25 or M32). Threaded caps M25 supplied with gasket IP67	

PB102315



PKZ100



PKZ085

Code of Back box wall mounted for fitting PratiKa panel sockets IP44 / IP67

Description poles	Code
Small sized BOX	
Permits the mounting of socket (16 A 3 or 4 poles) with flange 65 x 85	**PKZ085**
Big sized BOX	
Permits the mounting of socket (16 A 5 poles and 32 A 3 or 4 or 5 poles) with flange 90 x 100	**PKZ100**

Description poles	Code
Cable gland	
M25	**PKZ025**
M32	**PKZ032**

PB102317 

PG149211 

PB102316 

Example
PKZ100 + PKY16G734

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PratiKa sockets
Low voltage
Panel-mounted angled and straight sockets

Technical data

			FAST connection, without screws	
			Angled sockets	Straight sockets
			PB102199  PB102205	PB102234  PB102205
Main characteristics			**They can be mounted on a plate, panel or machine to supply appliance with wander plugs.**	
Degree of protection	According to IEC 60529	16 and 32 A	IP44	IP44
			IP67	IP67
	According to IEC 62262	Against external mechanical impacts	IK08	IK08
Materials			Housing made of self-extinguishing polymer	Housing made of self-extinguishing polymer
			Sleeves made of brass	Sleeves made of brass
			Spring made of stainless steel	Spring made of stainless steel
Resistance to fire and abnormal heat	According to IEC 60695-2-11	Glow wire test	850°C	850°C
Flange dimensions (IP44 - IP67)	16 A	2P + ⏚	65 x 85 mm	65 x 85 mm
		3P + ⏚	65 x 85 mm	65 x 85 mm
		3P+N + ⏚	90 x 100 mm	90 x 100 mm
	32 A	2P + ⏚	90 x 100 mm	90 x 100 mm
		3P + ⏚	90 x 100 mm	90 x 100 mm
		3P+N + ⏚	90 x 100 mm	90 x 100 mm
Connection terminals			Without screws and without stripping the conductor	Without screws and without stripping the conductor

Connection

	FAST connection, without screws	
	Angled sockets	Straight sockets
Rating	**Maximum cross section of conductors**	
(In)	**IEC 60309-1/A1, 60309-2/A1 Stranded wire cables / flexible cables**	
16 A	1 to 4 mm^2	1 to 4 mm^2
32 A	2.5 to 6 mm^2	2.5 to 6 mm^2

Code of panel-mounted angled and straight sockets

Rating		Rated voltage											
		100 - 130 V AC			200 - 250 V AC			380 - 415 V AC			480 - 500 V AC		
Poles and wires		2P + ⏚	3P + ⏚	3P+N + ⏚	2P + ⏚	3P + ⏚	3P+N + ⏚	2P + ⏚	3P + ⏚	3P+N + ⏚	2P + ⏚	3P + ⏚	3P+N + ⏚
FAST connection, without screws - Angled sockets													
IP44	16 A	PKY16F413	PKY16F414	PKY16F415	PKY16F423	PKY16F424	PKY16F425	PKY16F433	PKY16F434	PKY16F435	-	PKY16F444	PKY16F445
	32 A	PKY32F413	PKY32F414	PKY32F415	PKY32F423	PKY32F424	PKY32F425	PKY32F433	PKY32F434	PKY32F435	-	PKY32F444	PKY32F445
IP67	16 A	PKY16F713	PKY16F714	PKY16F715	PKY16F723	PKY16F724	PKY16F725	PKY16F733	PKY16F734	PKY16F735	-	PKY16F744	PKY16F745
	32 A	PKY32F713	PKY32F714	PKY32F715	PKY32F723	PKY32F724	PKY32F725	PKY32F733	PKY32F734	PKY32F735	-	PKY32F744	PKY32F745
FAST connection, without screws - Straight sockets													
IP44	16 A	-	-	-	PKY16G423	-	-	-	PKY16G434	PKY16G435	-	-	-
	32 A	-	-	-	PKY32G423	-	-	-	PKY32G434	PKY32G435	-	PKY32G444	PKY32G445
IP67	16 A	-	PKY16G714	-	PKY16G723	-	PKY16G725	-	PKY16G734	PKY16G735	-	-	-
	32 A	-	-	-	PKY32G723	-	-	-	PKY32G734	PKY32G735	-	-	-

PG149134 
PKY16F423

PG149139 
PKY32F734

PG149139 
PKY16G423

PG149139 
PKY32G734

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PratiKa sockets
Low voltage
Panel-mounted angled and straight sockets

Technical data

			SCREW connection Angled sockets	Straight sockets
			PB102199 	PB102234 
Main characteristics			**They can be mounted on a plate, panel or machine to feed appliances with wander plugs.**	
Degree of protection	According to IEC 60529	16 and 32 A	IP44	IP44
			IP67	IP67
		63 and 125 A	IP67	IP67
	According to IEC 62262	Against external mechanical impacts	IK08 for 16 - 32 A IK10 for 63 - 125 A	IK08 for 16 - 32 A IK10 for 63 - 125 A
Materials			Housing made of self-extinguishing polymer	Housing made of self-extinguishing polymer
			Sleeves made of brass	Sleeves made of brass
			Pins and springs made of stainless steel	Pins and springs made of stainless steel
Pilot contact			Included in the 63 A and 125 A	Included in the 63 A and 125 A
Resistance to fire and abnormal heat	According to IEC 60695-2-11	Glow wire test	850°C	850°C
Flange dimensions (IP44 - IP67)	16 A	2P + ⏚, 3P + ⏚	65 x 85 mm	65 x 85 mm
		3P+N + ⏚	90 x 100 mm	90 x 100 mm
	32 A		90 x 100 mm	90 x 100 mm
	63 A		100 x 107 mm	100 x 107 mm
	125 A		110 x 114 mm	110 x 114 mm
Connection terminals			Captive screws, completely loosened	Captive screws, completely loosened

Connection

	SCREW connection Angled sockets	Straight sockets
Rating	**Maximum cross section of conductors**	
(In)	**Solid cables / stranded wire cables / flexible cables**	
16 A	1 to 4 mm²	1 to 4 mm²
32 A	2.5 to 10 mm²	2.5 to 10 mm²
63 A	6 to 25 mm²	6 to 25 mm²
125 A	16 to 70 mm²	16 to 70 mm²

Code of panel-mounted angled and straight sockets

Rating		Rated voltage											
		100 - 130 V AC			200 - 250 V AC			380 - 415 V AC			480 - 500 V AC		
Poles and wires		2P + ⏚	3P + ⏚	3P+N + ⏚	2P + ⏚	3P + ⏚	3P+N + ⏚	2P + ⏚	3P + ⏚	3P+N + ⏚	2P + ⏚	3P + ⏚	3P+N + ⏚
SCREW connection - Angled sockets													
IP44	16 A	PKF16F413	PKF16F414	PKF16F415	PKF16F423	PKF16F424	PKF16F425	PKF16F433	PKF16F434	PKF16F435	-	PKF16F444	PKF16F445
	32 A	PKF32F413	PKF32F414	PKF32F415	PKF32F423	PKF32F424	PKF32F425	PKF32F433	PKF32F434	PKF32F435	-	-	PKF32F445
IP67	16 A	PKF16F713	PKF16F714	PKF16F715	PKF16F723	PKF16F724	PKF16F725	PKF16F733	PKF16F734	PKF16F735	-	PKF16F744	PKF16F745
	32 A	PKF32F713	PKF32F714	PKF32F715	PKF32F723	PKF32F724	PKF32F725	PKF32F733	PKF32F734	PKF32F735	-	PKF32F744	-
	63 A	-	81276	81277	81278	81279	81280	-	81282	81283	-	81285	81286
	125 A	-	81288	81289	81290	81291	81292	-	81294	81295	-	81297	81298
SCREW connection - Straight sockets													
IP44	16 A	PKF16G413	-	-	PKF16G423	PKF16G424	-	PKF16G433	PKF16G434	PKF16G435	-	-	-
	32 A	-	-	PKF32G415	PKF32G423	-	-	-	PKF32G434	PKF32G435	-	-	-
IP67	16 A	-	-	-	PKF16G723	-	-	-	PKF16G734	PKF16G735	-	-	-
	32 A	-	-	-	PKF32G723	-	-	-	PKF32G734	PKF32G735	-	-	-
	63 A	-	81676	81677	81678	81679	81680	-	81682	81683	-	81685	81686
	125 A	-	81688	81689	81690	81691	81692	-	81694	81695	-	81697	81698

PG149174 
PKF16F423

PG149179 
PKF32F734

PG149183 
81283

PG149186 
PKF16G423

PG149191 
PKF32G734

PG149195 
81683

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PratiKa sockets
Low voltage
Multiple adapters

Technical data

			Multiple adapters
			PB102236 
Main characteristics			**They can be used for temporary situations only and in certain industrial environments where there is no danger of explosions or fire.**
Conceived in conformity with standards			IEC 60309-1, IEC 60309-2 and IEC 60309-4
Degree of protection	According to IEC 60529	16 and 32 A	IP44
			IP67
	According to IEC 62262	Against external mechanical impacts	IK08
Materials			Housing made of self-extinguishing polymer
			Pins made of nickel-plated brass
			Sleeves made of brass
			Stainless steel screw
LEDs when lighted show the presence of Voltage in each plug's phases, it is not a protection			If it should be off, control the switch-board before usage or maintenance
Resistance to fire and abnormal heat	According to IEC 60695-2-11	Glow wire test	850°C

Code of multiple adapter - 1 Plug + 2 Socket-outlets

Plug side			Socket side				
Rating	Poles	Rated voltage	No.	Rating	Poles	Rated voltage	
IP44 16 A	2P + ⏚	**200 - 250 V AC**	2	16 A	2P + ⏚	**200 - 250 V AC**	**PKZM403**
	3P + ⏚	**380 - 415 V AC**	2	16 A	3P + ⏚	**380 - 415 V AC**	**PKZM406**
IP67 16 A	2P + ⏚	**100 - 130 V AC**	2	16 A	2P + ⏚	**100 - 130 V AC**	**PKZM701**
		200 - 250 V AC	2	16 A	2P + ⏚	**200 - 250 V AC**	**PKZM703**
		380 - 415 V AC	2	16 A	2P + ⏚	**380 - 415 V AC**	**PKZM705**
	3P + ⏚		2	16 A	3P + ⏚		**PKZM706**

Code of multiple adapter - 1 Plug + 3 Socket-outlets

Plug side			Socket side				
Rating	Poles	Rated voltage	No.	Rating	Poles	Rated voltage	
IP44 16 A	2P + ⏚	**200 - 250 V AC**	3	16 A	2P + ⏚	**200 - 250 V AC**	**PKZM409**
	3P + ⏚	**380 - 415 V AC**	3	16 A	3P + ⏚	**380 - 415 V AC**	**PKZM412**
32 A	3P+N + ⏚		2	16 A	2P + ⏚	**200 - 250 V AC**	**PKZM413**
			1	32 A	3P+N + ⏚	**380 - 415 V AC**	
IP67 16 A	2P + ⏚	**100 - 130 V AC**	3	16 A	2P + ⏚	**100 - 130 V AC**	-
		200 - 250 V AC	3	16 A	2P + ⏚	**200 - 250 V AC**	**PKZM709**
	3P + ⏚	**380 - 415 V AC**	3	16 A	2P + ⏚	**380 - 415 V AC**	**PKZM712**
32 A	3P+N + ⏚		2	16 A	3P + ⏚	**200 - 250 V AC**	**PKZM713**
			1	32 A	3P+N + ⏚	**380 - 415 V AC**	

PB102187 

PKZM403

PB102188 

PKZM712

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PratiKa sockets
Low voltage
Domestic panel-mounted sockets

Functions

They are available in the panel-mounted versions and can be fitted directly on Kaedra enclosures or on wall-boxes (PKZ085).

Technical data

Main characteristics			
Colors			Blue, black or gray (RAL 7035)
Degree of protection	According to IEC 60529		IP54 and IP65
	According to IEC 62262	Against external mechanical impacts	IK09
Materials			Housing made of self-extinguishing polymer
			Pins and springs made of stainless steel
			Spring loaded cover
Resistance to fire and abnormal heat	According to IEC 60695-2-11	Glow wire test	850°C

PB102189



81139

PB102190



81140

PB102191



81141

PB102192



81142

PB102193



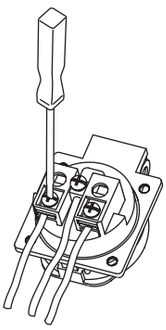
PKS52B

PB102194



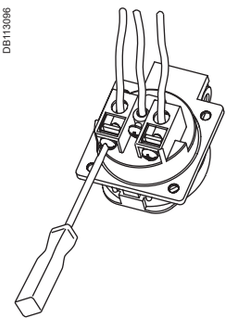
PKS61B

DB113097



PKS51G
Version with back tightening terminals

DB113096



PKS52G
Version with side tightening terminals

Code for domestic sockets 65 x 85 - IP65

Rating	Rated voltage	Type	Number of sockets	Code grey
	250 V AC			
Poles	2P + ⏚	Standard		
10 - 16 A		Italy	2	81139
			1 (dual - use)	81146
		French	1	81140
		Germay	1	81141
		England	1	-
		Switzerland	1	-

Code for RJ 45 support 65 x 85 - IP65

Description	Code grey
With 1 adapter RJ45	81142
With 2 adapters RJ45	81143

Code for domestic sockets 50 x 50 - IP54

Rating	Rated voltage	Type	Code		
	250 V AC				
Poles	2P + ⏚	Standard	Grey	Blue	Black
With back tightening terminals					
10 - 16 A		Germany	PKS51G	PKS51B	PKS51N
		French	PKN51G	PKN51B	PKN51N
With side tightening terminals					
10 - 16 A		Germany	PKS52G	PKS52B	PKS52N

Code for domestic sockets 65 x 85 - IP54

Rating	Rated voltage	Type	Code		
	250 V AC				
Poles	2P + ⏚	Standard	Grey	Blue	Black
With back tightening terminals					
10 - 16 A		Germany	PKS61G	PKS61B	PKS61N
		French	PKN61G	PKN61B	PKN61N
With side tightening terminals					
10 - 16 A		Germany	PKS62G	PKS62B	-
		French	-	PKN62B	-

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PratiKa sockets
Extra-low voltage
Selection guide

Sockets 16 - 32 A




Rated current	Poles and wires	Freq.	Rated voltage	Clock position of secondary keyway	Wander sockets	
		Hz			IP44	IP67
16 A	2P	50/60	20-25 V	s.r.	82401	82451
	3P	50/60		s.r.	-	82452
	2P	50/60	40-50 V	12 h	-	82453
	3P	50/60		12 h	82404	82454
	2P	100/200	20-25 V / 40-50 V	4 h	-	82455
	3P	100/200		4 h	-	82456
	2P	401/500		11 h	82411	-
	3P	401/500		11 h	-	-
	2P	⎓	20-25 V / 40-50 V	10 h	82413	82463
32 A	2P	50/60	20-25 V	s.r.	-	82465
	3P	50/60		s.r.	-	82466
	2P	50/60	40-50 V	12 h	-	82467
	3P	50/60		12 h	-	82468
	2P	100/200	20-25 V / 40-50 V	4 h	-	-
	3P	100/200		4 h	82420	82470
	2P	401/500		11 h	-	-
	3P	401/500		11 h	-	-
	2P	⎓	20-25 V / 40-50 V	10 h	-	82477
Technical data, see page					38	

Sockets with safety transformer

			Unika				
							
Rated power	Rated voltage		Number and type of sockets	Panel mounted version		Wall-mounted version possible with back box 83919 / 83920 or Flush 83924	
	Primary	Secondary		IP44	IP65	IP44	IP65
160 VA	230 V	24 V	1 x 2P 16 A	82026	82076	-	-
Technical data, see page				44			

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	Panel-mounted straight sockets Flange 65 x 65		Wall-mounted sockets	
	IP44	IP67	IP44	IP44 (67)
	82901	82951	82101	82151
	-	82952	-	-
	82903	82953	82103	-
	82904	82954	-	82154
	82905	82955	-	-
	82906	82956	-	-
	-	-	-	-
	82912	-	-	-
	-	82963	-	-
	82915	82965	-	-
	82916	82966	-	-
	-	82967	-	-
	82918	82968	82118	-
	82919	82969	-	-
	82920	82970	-	-
	-	-	-	-
	82926	82976	82126	82176
	82927	82977	-	-
	39			

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PratiKa sockets
Extra-low voltage
Wander sockets

Technical data

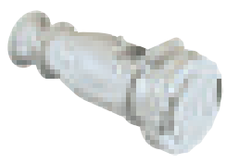
			Wander sockets
			PB102243 
Main characteristics			**Designed to supply fixed or movable equipements by a flexible cable.**
Degree of protection	According to IEC 60529	16 and 32 A	IP44
			IP67
	According to IEC 62262	Against external mechanical impacts	IK08
Materials			Housing made of self-extinguishing polymer
			Sleeves made of nickel-plated brass
			Screws and springs made of stainless steel
Resistance to fire and abnormal heat	According to IEC 60695-2-11	Glow wire test	850°C
Connection terminals			Captive screws, completely loosened

Connection

	Wander sockets		
Rating	**Cable entry**		**Maximum cross section of conductors**
(In)	**IP44 / IP67 Fair-lead**	**IP67 Cable gland**	**Solid and stranded wire flexible cables**
16 A	6 - 23 mm	PG21	4 to 10 mm^2
32 A	6 - 23 mm	PG21	4 to 10 mm^2

Code of wander sockets

Rating	**Rated voltage**									
	20-25 V 50/60 Hz		**40-50 V 50/60 Hz**		**20-25 V / 40-50 V 100-200 Hz**		**401-500 Hz**		**20-25 V / 40-50 V ⎓**	
Poles and wires	**2P**	**3P**	**2P**	**3P**	**2P**	**3P**	**2P**	**3P**	**2P**	**3P**
IP44 16 A	**82401**	**-**	**-**	**82404**	**-**	**-**	**82411**	**-**	**82413**	**-**
32 A	**-**	**-**	**-**	**-**	**-**	**82420**	**-**	**-**	**-**	**-**
IP67 16 A	**82451**	**82452**	**82453**	**82454**	**82455**	**82456**	**-**	**-**	**82463**	**-**
32 A	**82465**	**82466**	**82467**	**82468**	**-**	**82470**	**-**	**-**	**82477**	**-**

PG149123 

82468

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PratiKa sockets
Extra-low voltage
Panel-mounted and wall-mounted sockets

Technical data

			Panel-mounted sockets	Wall-mounted sockets
			PB102243 	PB102244 
Main characteristics			**They can be mounted on a plate, panel or machine to supply appliances with wander plugs.**	**They can be wall-mounted to supply appliances with wander plugs.**
Degree of protection	According to IEC 60529	16 and 32 A	IP44	IP44
			IP67	IP67
	According to IEC 62262	Against external mechanical impacts	IK08	IK08
Materials			Housing made of self-extinguishing polymer	Housing made of self-extinguishing polymer
			Sleeves made of nickel-plated brass	Sleeves made of nickel-plated brass
			Screws and springs made of stainless steel	Screws and springs made of stainless steel
Resistance to fire and abnormal heat	According to IEC 60695-2-11	Glow wire test	850°C	850°C
Connection terminals			Captive screws, completely loosened	Captive screws, completely loosened

Connection

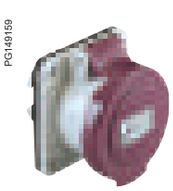
	Panel-mounted sockets	Wall-mounted sockets		
Rating	**Maximum cross section of conductors**	**Cable entry**		**Maximum cross section of conductors**
(In)	**Solid and stranded wire flexible cables**	**IP44 / IP67 M25 nut**	**IP67 Cable gland**	**Solid, wstranded and flexible cables**
16 A	1 to 2,5 mm²	6 - 23 mm	PG21	4 to 10 mm²
32 A	2,5 to 6 mm²	6 - 23 mm	PG21	4 to 10 mm²

Code of panel-mounted sockets

Rating		Rated voltage									
		20-25 V 50/60 Hz		40-50 V 50/60 Hz		20-25 V / 40-50 V 100-200 Hz		401-500 Hz		20-25 V / 40-50 V ⎓	
Poles and wires		**2P**	**3P**	**2P**	**3P**	**2P**	**3P**	**2P**	**3P**	**2P**	**3P**
Flange 65 x 65 mm											
IP44	16 A	**82901**	**-**	**82903**	**82904**	**82905**	**82906**	**-**	**82912**	**-**	**-**
	32 A	**82915**	**82916**	**-**	**-**	**82919**	**82920**	**-**	**82926**	**82927**	**-**
IP67	16 A	**82951**	**82952**	**82953**	**82954**	**82955**	**82956**	**-**	**-**	**82963**	**-**
	32 A	**82965**	**82966**	**82967**	**82968**	**82969**	**82970**	**-**	**82976**	**82977**	**-**

Code of wall-mounted sockets

Rating		Rated voltage									
		20-25 V 50/60 Hz		40-50 V 50/60 Hz		20-25 V / 40-50 V 100-200 Hz		401-500 Hz		20-25 V / 40-50 V ⎓	
Poles and wires		**2P**	**3P**	**2P**	**3P**	**2P**	**3P**	**2P**	**3P**	**2P**	**3P**
IP44	16 A	**82101**	**-**	**82103**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
	32 A	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**82126**	**-**	**-**
IP67	16 A	**82151**	**-**	**-**	**82154**	**-**	**-**	**-**	**-**	**-**	**-**
	32 A	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**82176**	**-**	**-**

PG149159 
82901

PG149163 
82954

PG149145 
82101

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PratiKa sockets
With interlock switch
Unika - Isoblock / Selection guide

Sockets with interlock switch

Unika - Panel-mounted version









Rated nominal	Poles and wires	Freq. Hz	Rated voltage	Clock position of contact	Without protection IP44	Without protection IP65	Without protection IP65	Protected by FUSE carrier IP44	Protected by FUSE carrier IP65	Protected by FUSE carrier IP65	With DIN rail IP65
16 A	2P + ⏚	50/60	100-130 V	4 h	82028	82078	-	82128	82178	-	-
	3P + ⏚	50/60		4 h	82029	82079	-	82129	82179	-	-
	3P+N + ⏚	50/60		4 h	82030	82080	-	82130	82180	-	-
	2P + ⏚	50/60	200-250 V	6 h	82031	82081	-	82132	82181	-	-
	3P + ⏚	50/60		9 h	82032	82082	-	82132	82182	-	-
	3P+N + ⏚	50/60		9 h	82033	82083	-	82133	82183	-	-
	2P + ⏚	50/60	380-415 V	9 h	82034	82084	-	82134	82184	-	-
	3P + ⏚	50/60		6 h	82035	82085	-	82135	82185	-	-
	3P+N + ⏚	50/60		6 h	82036	82086	-	82136	82186	-	-
	3P + ⏚	50/60	480-500 V	7 h	82037	82087	-	82137	82187	-	-
	3P+N + ⏚	50/60		7 h	82038	82088	-	82138	82188	-	-
32 A	2P + ⏚	50/60	100-130 V	4 h	82039	82089	-	82139	82189	-	-
	3P + ⏚	50/60		4 h	82040	82090	-	82140	82190	-	-
	3P+N + ⏚	50/60		4 h	82041	82091	-	82141	82191	-	-
	2P + ⏚	50/60	200-250 V	6 h	82042	82092	-	82142	82192	-	-
	3P + ⏚	50/60		9 h	82043	82093	-	82143	82193	-	-
	3P+N + ⏚	50/60		9 h	82044	82094	-	82144	82194	-	-
	2P + ⏚	50/60	380-415 V	9 h	82045	82095	-	82145	82195	-	-
	3P + ⏚	50/60		6 h	82046	82096	-	82146	82196	-	-
	3P+N + ⏚	50/60		6 h	82047	82097	-	82147	82197	-	-
	3P + ⏚	50/60	380-440 V	3 h	-	-	-	-	-	-	-
	3P + ⏚	50/60	480-500 V	7 h	82048	82098	-	82148	82198	-	-
	3P+N + ⏚	50/60		7 h	82049	82099	-	82149	82199	-	-
63 A	3P + ⏚	50/60	100-130 V	4 h	-	-	-	-	-	PKB63V514	-
	3P+N + ⏚	50/60		4 h	-	-	PKB63T515	-	-	PKB63V515	-
	2P + ⏚	50/60	200-250 V	6 h	-	-	PKB63T523	-	-	PKB63V523	PKB63U523
	3P + ⏚	50/60		9 h	-	-	PKB63T524	-	-	PKB63V524	-
	3P+N + ⏚	50/60		9 h	-	-	-	-	-	PKB63V525	-
	3P + ⏚	50/60	380-415 V	6 h	-	-	PKB63T534	-	-	PKB63V534	PKB63U534
	3P+N + ⏚	50/60		6 h	-	-	PKB63T535	-	-	PKB63V535	PKB63U535
	3P + ⏚	50/60	480-500 V	7 h	-	-	-	-	-	-	-
	3P+N + ⏚	50/60		7 h	-	-	-	-	-	-	-
Technical data, see page					42						

Sockets with safety transformer

Unika - Panel-mounted version




Rated power VA	Number and type of sockets	Rated voltage Primary	Rated voltage Secondary	IP44	IP65
16 A	1 x 2P 16 A	230 V	24 V	82026	82076
Technical data, see page				44	

Wall and embedded box

Unika - Panel-mounted version



Number of sockets	Embedded box
1	83924
1 unmarked walls	-
1 wall with knock-outs	-
1 with junction box	-
2 with junction box	-
3 with junction box	-
Technical data, see page	46

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Unika - Wall-mounted version							Isoblock - Wall-mounted version		
									
Without protection			Protected by FUSE carrier			With DIN rail	Protected by FUSE carrier	With DIN rail	
IP44	IP65	IP65	IP44	IP65	IP65	IP65	IP65	IP65	IP65
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
83031	83081	-	83131	83181	-	-	83454 □	82754 □	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
83034	-	-	-	-	-	-	-	-	-
83035	83085	-	83135	83185	-	-	83458 □	82758 □	-
83036	83086	-	83136	83186	-	-	83459 □	82759 □	-
-	-	-	-	-	-	-	-	-	-
83038	-	-	-	-	-	-	-	-	-
83039	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	83191	-	-	-	-	-
83042	83092	-	83142	83192	-	-	83466 □	83791 □	82766 ■
-	83093	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
83045	-	-	-	-	-	-	-	-	-
83046	83096	-	83146	83196	-	-	83470 □	83795 □	82770 ■
83047	83097	-	83147	83197	-	-	83471 □	83796 □	82771 ■
-	83299	-	-	83399	-	-	-	-	-
-	83098	-	83148	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	PKB63P523	-	-	PKB63R523	PKB63Q523	-	-	-
-	-	PKB63P524	-	-	PKB63R524	PKB63Q524	82879 ■	-	-
-	-	PKB63P525	-	-	PKB63R525	PKB63Q525	-	-	-
-	-	PKB63P534	-	-	PKB63R534	PKB63Q534	82882 ■	-	82782 ■
-	-	PKB63P535	-	-	PKB63R535	PKB63Q535	82883 ■	-	82783 ■
-	-	PKB63P544	-	-	-	-	-	-	-
-	-	PKB63P545	-	-	-	-	-	-	-
43							48		

Unika - Wall-mounted version		
		
IP44	IP65	
-	-	1P
44		

Unika - Wall-mounted version					Isoblock - Wall-mounted version	
		 Modular basis			 Modular panels	
Wall mounting box					Number and type sockets	With junction box
16 - 32 A	63 A					
-	-	-	-	-	1 x B16	83925 □
83919	-	-	-	-	2 x B16	83926 □
83920	PKB002	-	-	-	-	-
-	-	83921	-	-	1 x 32/63	83927 ■
-	-	-	83922	-	-	-
-	-	-	-	83923	-	-
46		47				50

□ = Sockets 106 mm width. ■ = Sockets 144 mm width.

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PratiKa sockets
With interlock switch
Unika series / Panel-mounted version

Technical data

			Protected by disconnect fuse carriers	Without protection / DIN rail
			Their technical, functional and aesthetic qualities make them particularly suitable for installation in the tertiary and industry sectors.	
Main characteristics			**The switch can be externally padlocked into position "0" and "1".**	
Colour			RAL 7035	RAL 7035
Degree of protection	According to IEC 60529		IP44 and IP65	IP44 and IP65
	According to IEC 62262	Against external mechanical impacts	IK09	IK09
Materials			Housing made of self-extinguishing polymer	Housing made of self-extinguishing polymer
			External pins, pins and screws made of stainless steel	External pins, pins and screws made of stainless steel
Construction	According to IEC 60309-2-4		IP44 and IP65	IP44 and IP65
Resistance to fire and abnormal heat	According to IEC 60695-2-11	Glow wire test	750°C	750°C
Operating voltage (400 V)	According to IEC 60947-3	16 A	20 A (AC22) / 9.5 kW (AC23A)	20 A (AC22) / 9.5 kW (AC23A) IEC 60947-3
		32 A	32 A (AC22) / 16 kW (AC23A)	32 A (AC22) / 16 kW (AC23A) IEC 60947-3
		63 A	63 A (AC22) / 22 kW (AC23A) / 15.5 kW (AC23)	63 A (AC22) / 22 kW (AC23A) / 15.5 kW (AC23)
Fuse holder	Complying with IEC 60269 (non supplied with the product)	16 - 32 A	For CH 10,3 x 38 type fuse	-
		63 A	For D02 type fuse	-
	The door to accede to the fuse holders can be:		Opened only with the switch in position "0"	-
			Equipped with key-lock (available as acessory) in its handle	-
DIN rail version	DIN rail up to 4,5 modules		-	■ DIN rail up to 4,5 modules
	The door to accede to the modular devices can be:		-	Opened only when the switch is on the “0” position
			-	Equipped with key-lock (available as acessory) in its handle
Connection terminals			Captive screws	Captive screws

Connection

	Protected by disconnect fuse carriers	Without protection
Rating (In)	**Maximum cross section of conductors**	
16 A, 32 A	10 mm²	10 mm²
63 A	35 mm²	35 mm²

Code of panel-mounted sockets Unika

Rating		Rated voltage											
		100 - 130 V			200 - 250 V			380 - 415 V			480 - 500 V		
Poles and wires		2P + ⏚	3P + ⏚	3P+N + ⏚	2P + ⏚	3P + ⏚	3P+N + ⏚	2P + ⏚	3P + ⏚	3P+N + ⏚	2P + ⏚	3P + ⏚	3P+N + ⏚
Protected by disconnect fuse carriers													
IP44	16 A	82128	82129	82130	82131	82132	82133	82134	82135	82136	-	82137	82138
	32 A	82139	82140	82141	82142	82143	82144	82145	82146	82147	-	82148	82149
IP65	16 A	82178	82179	82180	82181	82182	82183	82184	82185	82186	-	82187	82188
	32 A	82189	82190	82191	82192	82193	82194	82195	82196	82197	-	82198	82199
	63 A	-	PKB63V514	PKB63V515	PKB63V523	PKB63V524	PKB63V525	-	PKB63V534	PKB63V535	-	-	-
With DIN rail													
IP65	63 A	-	-	-	PKB63U523	-	-	-	PKB63U534	PKB63U535	-	-	-
Without protection													
IP44	16 A	82028	82029	82030	82031	82032	82033	82034	82035	82036	-	82037	82038
	32 A	82039	82040	82041	82042	82043	82044	82045	82046	82047	-	82048	82049
IP65	16 A	82078	82079	82080	82081	82082	82083	82084	82085	82086	-	82087	82088
	32 A	82089	82090	82091	82092	82093	82094	82095	82096	82097	-	82098	82099
	63 A	-	-	PKB63T515	PKB63T523	PKB63T524	-	-	PKB63T534	PKB63T535	-	-	-



82147



82197



82031



82041



PKB63T534



PKB63V534



PKB63U534

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PratiKa sockets
With interlock switch
Unika series / Wall-mounted version

Technical data

			Protected by disconnect fuse carriers	Without protection / DIN rail
			Their technical, functional and aesthetic qualities make them particularly suitable for installation in the tertiary and industry sectors.	
Main characteristics			**The switch can be externally padlocked into position "0" and "1".**	
Colour			RAL 7035	RAL 7035
Degree of protection	According to IEC 60529		IP44 and IP65	IP44 and IP65
	According to IEC 62262	Against external mechanical impacts	IK09	IK09
Materials			Housing made of self-extinguishing polymer	Housing made of self-extinguishing polymer
			External pins, pins and screws made of stainless steel	External pins, pins and screws made of stainless steel
Construction	According to IEC 60309-2-4		IP44 and IP65	IP44 and IP65
Resistance to fire and abnormal heat	According to IEC 60695-2-11	Glow wire test	750°C	750°C
Operating voltage (400 V)	According to IEC 60947-3	16 A	20 A (AC22) / 9.5 kW (AC23A)	20 A (AC22) / 9.5 kW (AC23A) IEC 60947-3
		32 A	32 A (AC22) / 16 kW (AC23A)	32 A (AC22) / 16 kW (AC23A) IEC 60947-3
		63 A	63 A (AC22) / 22 kW (AC23A) / 15.5 kW (AC23)	63 A (AC22) / 22 kW (AC23A) / 15.5 kW (AC23)
Fuse holder	Complying with IEC 60269 (non supplied with the product)	16 - 32 A	For CH 10,3 x 38 type fuse	-
		63 A	For NEOZED D02 type	-
	The door to accede to the fuse holders can be:		Opened only with the switch in position "0"	-
			Equipped with key-lock (available as acessory) in its handle	-
DIN rail version	DIN rail up to 4,5 modules		-	■ DIN rail up to 4,5 modules
	The door to accede to the modular devices can be:		-	Opened only when the switch is on the “0” position
			-	Equipped with key-lock (available as acessory) in its handle
Wall-mounted version			Cable entry (from the top)	Cable entry (from the top)
			Complete with fair-lead for 25 mm Max. Diameter cables and conduits, and/or PG21 cable gland	
			Screw head plugs fused not supplied	Screw head plugs fused not supplied
Connection terminals			Captive screws	Captive screws

Connection

	Protected by disconnect fuse carriers	Without protection
Rating (In)	**Maximum cross section of conductors**	
16 A, 32 A	10 mm²	10 mm²
63 A	35 mm²	35 mm²

Code of wall-mounted sockets Unika

Rating		Rated voltage											
		100 - 130 V			200 - 250 V			380 - 415 V			480 - 500 V		
Poles and wires		2P + ⏚	3P + ⏚	3P+N + ⏚	2P + ⏚	3P + ⏚	3P+N + ⏚	2P + ⏚	3P + ⏚	3P+N + ⏚	2P + ⏚	3P + ⏚	3P+N + ⏚
Protected by disconnect fuse carriers													
IP44	16 A	-	-	-	**83131**	-	-	-	**83135**	**83136**	-	-	-
	32 A	-	-	-	**83142**	-	-	-	**83146**	**83147**	-	**83148**	-
IP65	16 A	-	-	-	**83181**	-	-	-	**83185**	**83186**	-	-	-
	32 A	-	-	**83191**	**83192**	-	-	-	**83196**	**83197**	-	-	-
	63 A	-	-	-	**PKB63R523**	**PKB63R524**	**PKB63R525**	-	**PKB63R534**	**PKB63R535**	-	-	-
With DIN rail													
IP65	63 A	-	-	-	**PKB63Q523**	**PKB63Q524**	**PKB63Q525**	-	**PKB63Q534**	**PKB63Q535**	-	-	-
Without protection													
IP44	16 A	-	-	-	**83031**	-	-	**83034**	**83035**	**83036**	-	-	**83038**
	32 A	**83039**	-	-	**83042**	-	-	**83045**	**83046**	**83047**	-	-	-
IP65	16 A	-	-	-	**83081**	-	-	-	**83085**	**83086**	-	-	-
	32 A	-	-	-	**83092**	**83093**	-	-	**83096**	**83097**	-	**83098**	-
	63 A	-	-	-	**PKB63P523**	**PKB63P524**	**PKB63P525**	-	**PKB63P534**	**PKB63P535**	-	**PKB63P544**	**PKB63P545**



83131



83181



83031



PKB63P534



PKB63R534



PKB63Q534

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PratiKa sockets

With interlock switch

Unika series / Panel-mounted and wall-mounted version

Technical data

			Unika with safety transformer SELV
			Units fitted with safety transformers, in conformity with IEC742 standards.
Main characteristics			**Their modular size enables them to be used with all the components of the PratiKa Unika series.** **They are used to power circuits with a voltage rating of 50 V maximum, to protect users against direct and indirect contacts, in conformity with IEC 60364 standards.**
Colour			RAL 7035
Degree of protection	According to IEC 60529		IP44 and IP65
	According to IEC 62262	Against external mechanical impacts	IK09
Materials			Housing made of self-extinguishing polymer
			Screws and springs made of stainless steel
Resistance to fire and abnormal heat	According to IEC 60695-2-11	Glow wire test	750°C
The unit is rated	According to IEC 61558-2-6		Class II
Rated power of safety transformer			160 VA under continuous use
Operating voltage			230: 24 V
Power supply switch on the primary controlled			By a special mechanism upon the insertion of the plug
Available as follows			Fitted with one very-low-voltage IEC 60309 socket, 24 V 2P
			Complete with fair-lead for 25 mm Max. Diameter cables and conduits, and/or PG21 cable gland
			Supplied with screw head cover
Connection terminals			Captive screws
Installation			Wall-mounted possible on wall box or enclosures

Connection

	Unika with safety transformer SELV
Rating (In)	**Maximum cross section of conductors**
160 VA	6 mm^2

Code of panel-mounted Unika with safety transformer

Rated power		Rated voltage		Number and type of sockets	Code
		Primary	Secondary		
IP44	160 VA	**230 V**	**24 V**	1 x 16 A	**82026**
IP65	160 VA	**230 V**	**24 V**	1 x 16 A	**82076**

PG148096



82026

PG148096



82076

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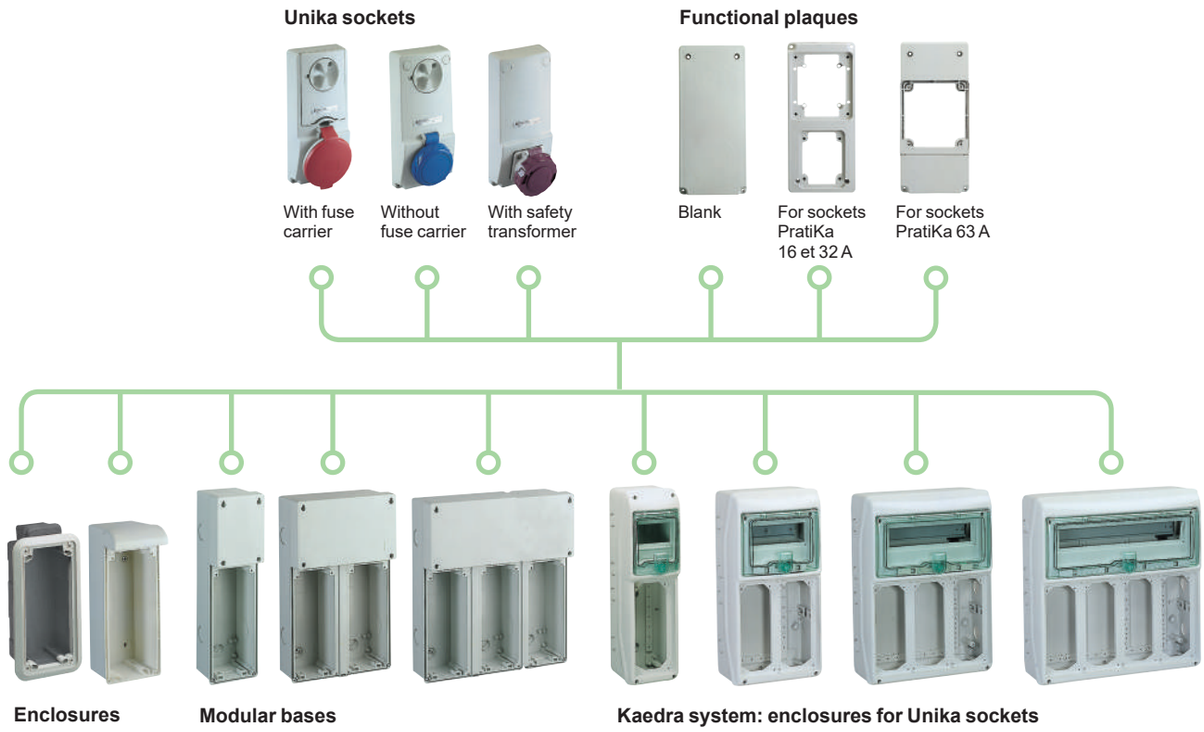
PratiKa sockets
With interlock switch
Unika series / Installation flexibility

Unique size for 103 x 225 mm



Installation flexibility

The Unika sockets with interlock switch are suitable for wall and embedded mounting or panel mounting. The offer complains a complete range of enclosures for different installation ways: individual emplacement or combination in banks.
Its compact size permits to have panel boards with small overall dimensions.
The Unika sockets are equiped with the new five thread which enables a fast fixing on all enclosures.

PB102257



PB102258



PB102259



PB102260



PB102259



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PratiKa sockets
With interlock switch
Unika series / Wall and embedded-box

Technical data

			Wall-mounting box	Embedded box
			These can be fitted either wall-mounted or wall-embedded or in the Unika series interlocked socket panels.	
Main characteristics			**They enable wall-mounted installation of sockets with interlock or sockets with safety transformers. On the upper part there is a section with a small cover intended for increased volumes of wiring.**	**They enable panel-mounted installation of sockets with interlock or sockets with safety transformers.**
Colour			RAL 7035	RAL 7035 for frame/RAL 7016 for box
Degree of protection	According to IEC 60529		IP65	IP65 (After installation)
	According to IEC 62262	Against external mechanical impacts	IK09	IK09
Materials			Housing made of self-extinguishing polymer	Housing made of self-extinguishing polymer
			Stainless steel screws	Stainless steel screws
Complete insulation characteristics	According with EN 60439-1		■	-
Resistance to fire and abnormal heat	According to IEC 60695-2-11	Glow wire test	750°C	750°C
Wall and embedded-box			Cable entry from the top	-
			Fair-lead for 25 mm max.diameter cables and conduits	-
			Version with knockout holes M32 mm diam. for association	-
			Supplied with screw head covers	-
Dimensions (L x H x P)		16 - 32 A	103 x 250 x 70	103 x 235 x 70
		63 A	140 x 390 x 74	-

Code of wall-mounting box

Degree of protection			Code
IP65	16 - 32 A	With unmarked walls	**83919**
		Walls with knock-outs	**83920**
	63 A		**PKB002**

Code of embedded box

Degree of protection	Code
IP65	**83924**



83919



PKB002



83924

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PratiKa sockets
With interlock switch
Unika series / Modular bases

Technical data

			Modular bases
			For wall-mounted fitting in combinations of one or more Unika series interlocked sockets and other PratiKa series sockets.
Main characteristics			**They enable wall-mounted fitting of sockets with interlock or sockets with safety transformers. On the upper part there is a box incorporated designed for easy power feeding and wiring distribution.**
Colour			RAL 7035
Degree of protection	According to IEC 60529		IP65 (After installation)
	According to IEC 62262	Against external mechanical impacts	IK09
Materials			Housing made of self-extinguishing polymer
			Stainless steel screws
Complete insulation characteristics	According with EN 60439-1		■
Resistance to fire and abnormal heat	According to IEC 60695-2-11	Glow wire test	650°C
Modular bases			Cable entry from the top
			Fair-lead for 25 mm max.diameter cables and conduits
			Version with knockout holes M32 mm diam. for association
			Supplied with screw head covers

Code of modular basis

Degree of protection	Dimensions			Number of sockets	Code
	H	W	D		
IP65	350	105	70	1	**83921**
	350	210	70	2	**83922**
	350	315	70	3	**83923**

Code of auxiliary components for modular basis

Description	Code
Association kit M32 for modular basis and boxes with 2 niples and nuts diam. 32 mm	**13934**

Code of functional plaques

For closing the openings 103 x 225 of different Unika and Kaedra system enclosures

Description	Code
Blank plaques ■ Marked for fixing: □ panel mounted straight PratiKa sockets for low and extra-low voltage with flange 65 x 65 mm or 75 x 75 mm □ 1 or 2 devices diam. 22.2 mm.	**13143**
Plaques with 2 openings ■ 1 of 65 x 85 mm for direct fixing of angled PratiKa sockets 16 A 2P+⏚ and 3P+⏚ or domestic sockets ■ 1 of 90 x 100 mm for direct fixing of angled PratiKa sockets 16 A 4P+⏚ and 32 A	**13142**
Plaques with 1 opening ■ 107 x 114 mm for direct fixing of angled or straight PratiKa sockets 63 A	**13144**



83921



83922



83923



13143



13142



13144

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PratiKa sockets
With interlock switch
Isoblock series / Wall-mounted version

Technical data

				Protected by fuse carriers
				Thanks to their high performances they are intended for installation in environments where there are aggressive chemical agents, oils and grease, and frequent jets of water or accidental shocks.
Main characteristics				**They ensure the control and local isolating of parts of the plant or utilities so as to enable intervention on electrical circuits or machines in total safety.**
Colour				RAL 7035
Degree of protection	According to IEC 60529			IP65
	According to IEC 62262	Against external mechanical impacts		IK10
Materials				Housing made of self-extinguishing polymer
				Screws, pins and springs made of stainless steel
Construction	According to IEC 60309-2-4			IP65
Resistance to fire and abnormal heat	According to IEC 60695-2-11	Glow wire test		850°C
Operating voltage (400 V)	Rated current	16 A		20 A (AC22) / 9.5 kW (AC23A) IEC 60947-3
		32 A		32 A (AC22) / 16 kW (AC23A) IEC 60947-3
		63 A		63 A (AC22) / 30 kW (AC23A) IEC 60947-3
The switch can be externally padlocked into position				"0" and "1"
Disconnect fuse carriers	Complying with IEC 60269		16 - 32 A	For CH 10.3 x 38
			63 A	For NEOZED D02 type fuses
Access lid to fuse curriers can be opened				Only with the switch in position "0"
Fuses not supplied				■
Wall-mounted version				Cable entry from the top
				Complete with fair-lead for 25 mm Max. Diameter cables and conduits, and/or: ■ PG21 cable gland for 16 A and 32 A ■ PG29 for 63 A
Connection terminals				Captive screw

Connection

	Protected by fuse carriers
Rating	**Maximum cross section of conductors**
16 A and 32 A	10 mm²
63 A	35 mm²

Code of Isoblock sockets

Rating		Type	Rated voltage											
			100 - 130 V			200 - 250 V			380 - 415 V			480 - 500 V		
Poles and wires			2P + ⏚	3P + ⏚	3P+N + ⏚	2P + ⏚	3P + ⏚	3P+N + ⏚	2P + ⏚	3P + ⏚	3P+N + ⏚	2P + ⏚	3P + ⏚	3P+N + ⏚
With fuse carriers 10.3 x 38 mm														
IP65	16 A	B16	-	-	-	**83454**	-	-	-	**83458**	**83459**	-	-	-
	32 A	B16	-	-	-	**83466**	-	-	-	**83470**	**83471**	-	-	-
With fuse carriers E33														
IP65	63 A	B32/63	-	-	-	-	**82879**	-	-	**82882**	**82883**	-	-	-



83454



83471



82883

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PratiKa sockets
With interlock switch
Isoblock series / Wall-mounted version

Technical data

			With DIN rail
			Thanks to their high performances they are intended for installation in environments where there are aggressive chemical agents, oils and grease, and frequent jets of water or accidental shocks.
Main characteristics			**They have a DIN rail for modular protection devices.**
Colour			RAL 7035
Degree of protection	According to IEC 60529		IP65
	According to IEC 62262	Against external mechanical impacts	IK10
Materials			Housing made of self-extinguishing polymer
			Screws, pins and springs made of stainless steel
Construction	According to IEC 60309-2-4		IP65
Resistance to fire and abnormal heat	According to IEC 60695-2-11	Glow wire test	850°C
The unit is rated	According to IEC 60558-2-6		-
Operating voltage (400 V)	Rated current (according to IEC 60947-3)	16 A	20 A (AC22) / 9.5 kW (AC23A)
		32 A	32 A (AC22) / 16 kW (AC23A)
		63 A	63 A (AC22) / 30 kW (AC23A)
Operating voltage		160 VA	-
Rated power of safety transformer			-
Transformer protected against short-circuit			-
Power supply switch on the primary controlled			-
The switch can be externally padlocked into position			"0" and "1"
Access lid to fuse curriers can be opened			Only with the switch in position "0"
Compartement for modular devices fitted with symmetrical DIN rail		16 A and 32 A	With opening of 4.5 modules (18 mm)
		32 A and 63 A	With opening of 6 modules (18 mm)
Fitted with one or two very-low voltage sockets			-
Wall-mounted version			Cable entry from the top
			Complete with fair-lead for 25 mm Max. Diameter cables and conduits, and/or: ■ PG21 cable gland for 16 A and 32 A ■ PG29 for 63 A
Connection terminals			Captive screw

Connection

	With DIN rail	With safety transformer SELV
Rating	**Maximum cross section of conductors**	
16 A and 32 A	10 mm²	-
63 A	35 mm²	-
160 VA	-	6 mm²

Code of Isoblock sockets

Rating		Type	Rated voltage											
			100 - 130 V			200 - 250 V			380 - 415 V			480 - 500 V		
Poles and wires			2P + ⏚	3P + ⏚	3P+N + ⏚	2P + ⏚	3P + ⏚	3P+N + ⏚	2P + ⏚	3P + ⏚	3P+N + ⏚	2P + ⏚	3P + ⏚	3P+N + ⏚
With DIN rail - 4.5 modules														
IP65	16 A	B16	-	-	-	82754	-	-	-	82758	82759	-	-	-
	32 A	B16	-	-	-	83791	-	-	-	83795	83796	-	-	-
With DIN rail - 6 modules														
IP65	32 A	B32/63	-	-	-	82766	-	-	-	82770	82771	-	-	-
	63 A	B32/63	-	-	-	-	-	-	-	82782	82783	-	-	-



82754



82771



82783

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PratiKa sockets
With interlock switch
Isoblock series / Modular panels

Technical data

			Modular panels
			For the installation of Isoblock series interlocked sockets in environments where there are aggressive chemical agents, oils and grease, frequent, heavy jets of water or accidental shocks
Main characteristics			**These enable wall-mounted fitting of sockets with interlock or safety transformers and are available in two versions: ■ version with integrated box designed to enable power feeding and wiring distribution**
Colour			RAL 7035
Degree of protection	According to IEC 60529		IP65
	According to IEC 62262	Against external mechanical impacts	IK10
Materials			Housing made of self-extinguishing polymer
			Screws made of stainless steel
			Walls with knoch our loch for cable entry from the top and for association
Complete insulation characteristics	According with EN 60439-1		■
Construction	According to IEC 60670-1		IP65
Resistance to fire and abnormal heat	According to IEC 60695-2-11	Glow wire test	850°C

Code for modular panels with junction boxes

Type	Dimensions			Number of sockets	Code
	H	W	D		
B16	535	111	11 + 65	1	**83925**
2B16	535	222	17 + 100	2	**83926**
B32/63	535	151	17 + 100	1	**83927**

PG148107



83925

PG148109



83927

PG148108



83926

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PratiKa sockets
With interlock switch
Isoblock series / Sockets with circuit breaker and electrical interlock

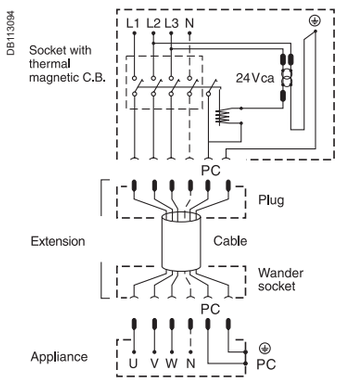
Technical data

			Sockets with circuit breaker and electrical interlock
			These are characterized by a thermal-magnetic circuit breaker, with or without earth-fault protection which is activated only when the plug is fully inserted in the socket. If the plug is removed while under load, the circuit breaker will trip automatically.
Main characteristics			
Colour			RAL 7035
Degree of protection	According to IEC 60529		IP65
	According to IEC 62262	Against external mechanical impacts	IK08
Materials			Housing made of self-extinguishing polymer
			Screw made of thermoplastic material
Resistance to fire and abnormal heat	According to IEC 60695-2-11	Glow wire test	960°C
Moulded case automatic thermal-magnetic circuit breaker			With or without differential relay
Rotary switch which can be externally padlocked into position			"0" and "1"
Reset of the switch			From the outside when triggered
Socket fitted with pilot contact			For controlling the 24 V electrical interlock
Earth fault protection		Sensitivity (IΔn)	Adjustable 0.03 - 0.3 - 1 - 3 - 10 A
		Time delay	Adjustable 0 - 60 - 150 - 310 ms
Red warning light			Signal tripping of earth fault protection
Connection terminals			Captive screw
			Cable entry from the top
			Complete with thickness flange and PG42 cable gland
			Terminal block guard at the circuit breaker entry

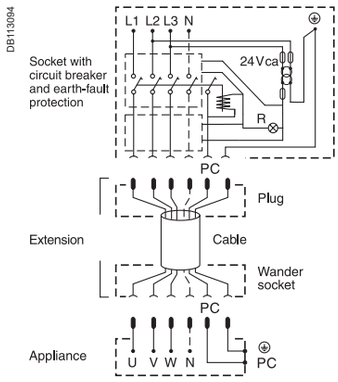
Connection

	Sockets with circuit breaker and electrical interlock
Rating	**Maximum cross section of conductors**
125 A	95 mm²

■ Scheme with thermal magnetic circuit breaker



■ Scheme with thermal magnetic circuit breaker and earth fault protection



Circuit breaker characteristics

Rated current (In)	Tripping thresholds		Ultimate breaking capacity (kA rms)		
	Thermal (tr)	Magnetic (tm)	220/240V	380/415V	500V
125 A	Adjustable 0.8... 1 x In	1250 A	85	36	30

Code for interlocked socket
With thermal-magnetic circuit breaker

Rating		
	380 - 415 V	
Poles and wires	**3P + ⏚**	**3P+N + ⏚**
IP65 125 A	**82494**	**82495**

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PratiKa plugs and sockets
Low voltage
Selection guide

PratiKa plugs 32 A for containers




Rated current	Poles and wires	Freq.	Rated voltage	Clock position of contact	Wander plugs FAST connect	Wander plugs SCREW connect
		Hz			IP67	IP67
32 A	3P + ⏚	50/60	380 - 415 V AC	3 h	PKX32M7C4	PKE32M7C4
Technical data, see page					54	

PratiKa sockets 32 A for containers




Rated current	Poles and wires	Freq.	Rated voltage	Clock position of contact	Wander sockets FAST connect	Panel mounted sockets Angled FAST connect
		Hz			IP67	IP67
32 A	3P + ⏚	50/60	380 - 415 V AC	3 h	PKY32M7C4	PKY32F7C4
Technical data, see page					54	

Interlocked Unika



Rated current	Poles and wires	Freq.	Rated voltage	Clock position of contact	Wall mounted sockets	With fuse carriers
		Hz			IP65	IP65
32 A	3P + ⏚	50/60	400 - 440 V AC	3 h	83299	83399
Technical data, see page					54	

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	Wall-mounted plugs with back box	**Panel-mounted plugs**
	SCREW connect	**SCREW connect**
	IP67	**IP67**
	81599	**83899**
	54	

					
	Wander sockets	**Panel mounted sockets**		**Wall-mounted sockets**	
		Angled	**Straigh**		**With back box**
	SCREW connect	**SCREW connect**	**SCREW connect**	**SCREW connect**	**SCREW connect**
	IP67	**IP67**		**IP67**	**IP67**
	PKF32M7C4	**PKF32F7C4**	**PKF32G7C4**	**PKF32W7C4**	**81199**
	54				

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PratiKa plugs and sockets
Low voltage
Solution for container

The PratiKa plugs and sockets for containers are designed to power refrigerated containers in ports, railway stations, airports, as well as on board container-ships.
The IP67 protection, use of nickel-plated contacts, stainless steel screws, pins and springs and high performance plastic materials, combine in ensuring maximum protection and guaranteed functioning also in highly aggressive and corrosive environments.

The solution for safe connections worldwide

In accordance with standards, these plugs and sockets are available in the following versions:
- 32 A - 3P+E,
- voltage rating 400 - 440 V,
- clock-position 3 hours,
- degree of protection IP67.

Functions

They are designed for supplying low-voltage power to loades or equipment fitted with domestic or similar plugs.
- PratiKa wander plugs.
- PratiKa wander plugs angled 90°.
- PratiKa wall mounted plugs.
- PratiKa panel-mounted plugs.
- PratiKa wander sockets.
- PratiKa small wall-mounted sockets.
- PratiKa wall-mounted sockets.
- PratiKa panel-mounted angled sockets.
- PratiKa panel-mounted straight sockets.
- Interlocked sockets Unika.
- Interlocked sockets Unika with fuse protection.
- Interlocked sockets Isoblock with DIN rail.

Technical data

			SCREW connection
			AVS010 
Main characteristics			
Degree of protection	According to IEC 60529		IP67 (IP65 for interlocked sockets)
	According to IEC 62262	Against external mechanical impacts	IK08 (IK09 for interlocked sockets)
Materials			Housing made of self-extinguishing polymer
			Pins made of nickel-plated brass
			Stainless steel screws
			Springs and pins made of stainless steal
Resistance to fire and abnormal heat	According to IEC 60695-2-11		850°C (750°C for Unika)
Connection terminals			Captive screws, completely loosened

Connection

	SCREW connection			
Rating	**Cable entry**		**Maximum cross section of conductors**	
(In)	**IP67 Cable gland**	**IP67 Cable clamp**	**Stranded wire flexible cables**	
32 A	PG21 PratiKa	11.5 - 21 mm PratiKa	Flexible	2.5 to 10 mm^2 for panel and wall versions
				2.5 to 6 mm^2 for wander versions
				2.5 to 10 mm^2 for interlocked versions

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PratiKa plugs and sockets
Low voltage
Solution for container

PG148076



PKX32M7C4

PG148139



PKY32M7C4

PG149157



PKF32W7C4

PG149106



81599

PG149171



81199

PG149110



83899

PG149203



PKY32F7C4

PG148065



83399

Code of wander IP67

Rating		Rated voltage	Clock position	Frequency
		400 - 440 V AC	H	Hz
Poles		3P + ⏚		
Plugs				
32 A	PratiKa FAST	PKX32M7C4	3	50-60
	PratiKa SCREW	PKE32M7C4	3	50-60
Sockets				
32 A	PratiKa FAST	PKY32M7C4	3	50-60
	PratiKa SCREW	PKF32M7C4	3	50-60

Code of small wall-mounted IP67

Rating	Rated voltage	Clock position	Frequency
	400 - 440 V AC	H	Hz
Poles	3P + ⏚		
Sockets			
32 A	PKF32W7C4	3	50-60

Code of wall mounted IP67

Rating	Rated voltage	Clock position	Frequency
	400 - 440 V AC	H	Hz
Poles	3P + ⏚		
Plugs			
32 A	81599	3	50-60
Sockets			
32 A	81199	3	50-60

Code of panel-mounted IP67

Rating	Rated voltage	Clock position	Frequency
	400 - 440 V AC	H	Hz
Poles	3P + ⏚		
Plugs			
32 A	83899	3	50-60
Caps for plugs	83936		
Angled sockets			
32 A PratiKa FAST	PKY32F7C4	3	50-60
PratiKa SCREW	PKF32F7C4		
Straight sockets			
32 A PratiKa FAST	-	3	50-60
PratiKa SCREW	PKF32G7C4		

Interlocked Unika IP65 - wall mounted

Rating	Rated voltage	Clock position	Frequency
	400 - 440 V AC	H	Hz
Poles	3P + ⏚		
Sockets			
32 A	83299	3	50-60
Sockets with fuse carriers			
32 A	83399	3	50-60

Interlocked Isoblock IP65 - 4.5 mod.

Rating	Rated voltage	Clock position	Frequency
	400 - 440 V AC	H	Hz
Poles	3P + ⏚		
Sockets with rail DIN			
32 A	-	3	50-60

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Kaedra system
Fitting system

Direct mounting

PB102194
Domestic socket 65 x 85

PB102287
Domestic socket

PB102289
LV socket 16 A 3-4P

PG102286
LV socket 16 A 5P 32 A 3-4-5P

059502N
Mini enclosures

059454N
Enclosures for sockets

059445N
Enclosures for modular device with interface and interface

PB102290
Buttons, indicators light

PG148015
LV and ELV sockets with interlock switch Unika

059456N
Enclosure for socket with interlock switch

Indirect mounting

These products can be mounted on Kaedra trough the use of **plaques**

Plaques

PB102284
Domestic socket 50 x 50

PB102290
Buttons, indicators light

PB102288
ELV socket

PB102287
Domestic socket

PB102289
LV socket 16 A 3-4P

PG102286
16 A 5P 32 A 3-4-5P socket

PB102285
63 A LV socket


PB102291

All Kaedra enclosures for sockets are delivered with an intermediate plaque (13136) already mounted on each opening, remove it before mounting a 16 A 5P or 32 A 3-4-5P socket.

Kaedra for modular device with interface have the plaque 13138 already mounted on each opening.

The standard openings

All enclosures for sockets and enclosures for interface have different openings for functional plaques. There are three standard dimensions:

- 65 x 85 mm, for direct fixing of PratiKa angled sockets of 16 A 2P+E and 3P+E or of domestic sockets
- 90 x 100 mm, for direct fixing of PratiKa in the enclosures for sockets, these opening are normally delivered with intermediate plaques code 13136
- 103 x 225 mm, for direct fixing of Unika sockets with interlock switch and relative functional plaques.

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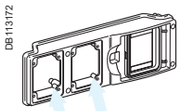
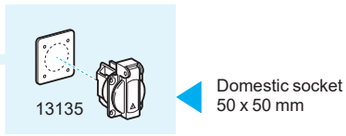
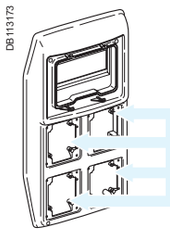
Kaedra system
Plaques and accessories

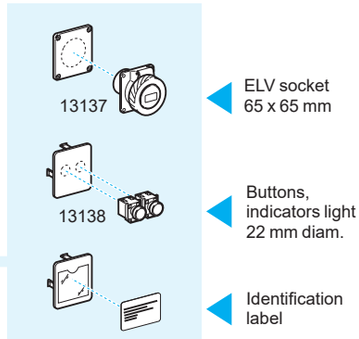
Indirect mounting



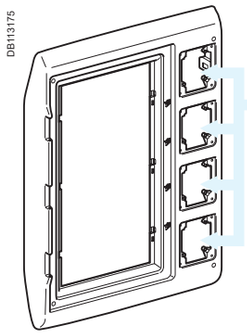


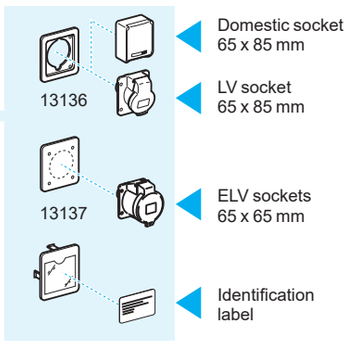
Mini enclosures



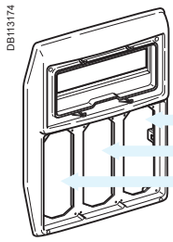


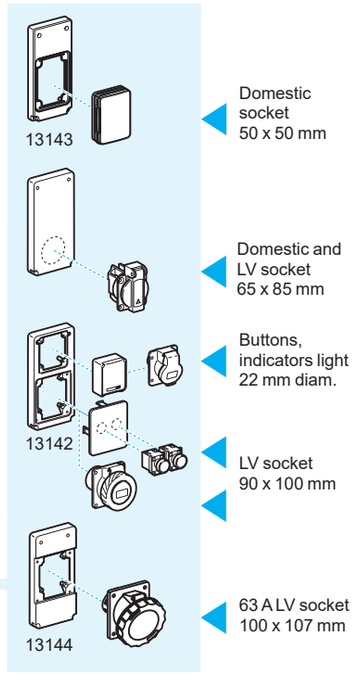
Enclosures for sockets



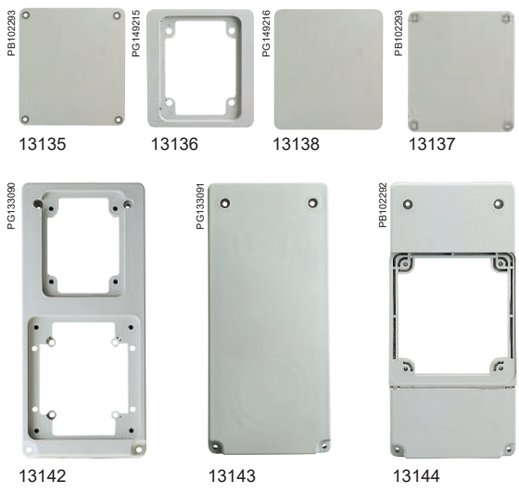


Enclosures for modular devices with interface and interfaces





Enclosure for socket with interlock switch



Code for universal enclosures

Denomination		Description	Code
Plaque for opening			
Screw fixing	**65 x 85**	Blank - marked for 1 socket 50 x 50	**13135**
	90 x 100	Blank - marked for 1 socket 65 x 65	**13137**
Clip fixing		Blank - marked for button (1 or 2 x diam. 22.2 - 4 x diam. 16)	**13138**
		Intermediate - with opening 65 x 85	**13136**
Interface Kit for enclosures with interface			
Clip fixing	**90 x 100**	For switch INS 63/80A	**13139**
Plaque for opening			
Screw fixing	**103 x 225**	Blank - marked for 1 socket 65 x 65 and for button (1 or 2 x diam. 22.2)	**13143**
		With 1 opening 65 x 85 and 1 opening 90 x 100	**13142**
		With 1 opening 100 x 107 for plugs and sockets 63 A	**13144**

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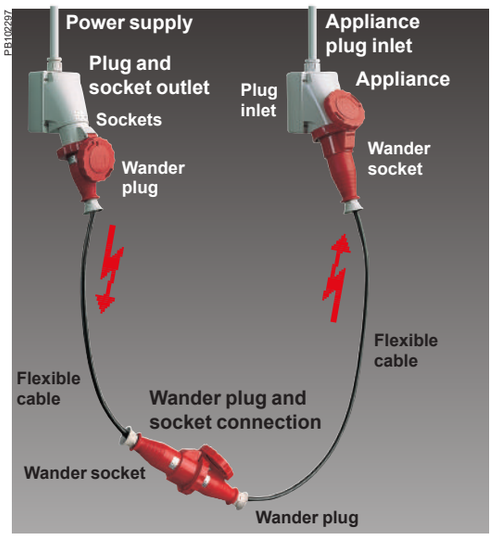
General information

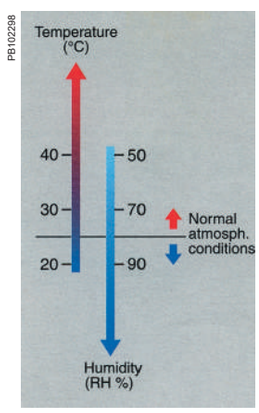


Wander plug and socket connection: device which permits the connection of two flexible cables: it comprises a wander socket and a plug.

Wander plug: part which is securely connected, or designed to be connected, to a power supply flexible cable.

Appliance plug inlet: device which permits the connection of a flexible cable to an appliance:
it comprises a wander socket a plug inlet.

Plug inlet: incorporated part fixed, or designed to be fixed, to an appliance.



The normal pollution level is:
for domestic or similar devices: for industrial type applications:



Level 2



Level 3

The pollution level is a conventional number based on the amount of conductive or hygroscopic dust, ionised gas or salts, on the relative humidity and on the frequency which causes absorption or condensation of humidity, a phenomenon which involves a reduction of dielectric strength and/or surface resistivity. The pollution level referred to is the one occurring in the immediate vicinity to the air and surface between elements with different potential.

The products included in this catalogue can be used also in environments with particularly severe conditions. Contact us for any further information.

The catalogue includes a vast range of plugs and sockets designed mainly for industrial use, both indoor and outdoor, where the ambient temperature does not normally exceed 40°C.
Thanks to the manufacturing characteristics and to the use of materials with superior performance and resistance to chemical and environmental agents, these devices are widely used also in building sites and in other sectors, like workshops, agriculture and offices.
In the case of use in special environments, for example on ships, or in areas with explosion hazards, special characteristics can be required.
In the case of use under severe conditions, it may be advisable to replace sockets with dirty and oxidated contacts, either periodically, or when the insertion or extraction force is considered too high.

Reference standards

The standards, from a point of view of dimensions and performance, for this family of products are defined at an international level and included in the European standards:
- IEC 60309-1
- IEC 60309-1-4
- EN 60309-1.

- Plugs and sockets for industrial use
- Part 1: General provisions.

- IEC 60309-2
- EN 60309-2.

- Plugs and sockets for industrial use
- Part 2: provisions of dimensional interchangeability for plugs and sockets with cylindrical pins and sleeves.

Definitions

The various applications of plugs and sockets include the following devices:
- **Plug and socket outlet:** device which permits the connection of a flexible cable to a power supply installation: it comprises a socket and a plug
- **Socket:** part which is to be installed in the power supply installation or incorporated in switchgear and controlgear
- **Plug:** part which is securely connected, or designed to be connected, to a flexible cable connected to an appliance or to a connector.

Operating conditions

The Standards IEC 60947-1, EN 60947-1, "Low-voltage switchgear and controlgear: general rules", define the normal operating conditions for electrical and electronic devices.
Such standards are generally applicable to devices operating within the voltage limit of up to 1,000 V for alternated current or 1,500 V for direct current, unless otherwise required by the specific product standard.

Ambient temperature

- Maximum temperature: +40°C with average temperature during 24 hours not exceeding +35°C.
- Lower temperature limit: -25°C.

Altitude

Up to 2,000 m a.s.l.

Atmospheric conditions

Humidity

- Relative humidity not exceeding 50% with temperature of +40°C.
- A higher relative humidity is allowed with a lower temperature, for example, 90% with +20°C (see drawing).

Level of environmental pollution

The following levels of pollution are considered for electrical and electronic devices:

Level 1

There is no pollution or there may be dry non-conductive pollution;

Level 2

Normally the devices can be used in the presence of non-conductive polluting substances, occasionally there may be temporary conductivity caused by condensation.

Level 3

Presence of conductive pollution or dry non-conductive pollution, which become conductive with condensation.

Level 4

The pollution causes persistent and high conductivity, such pollution is caused for example by conductive dust, rain or snow.

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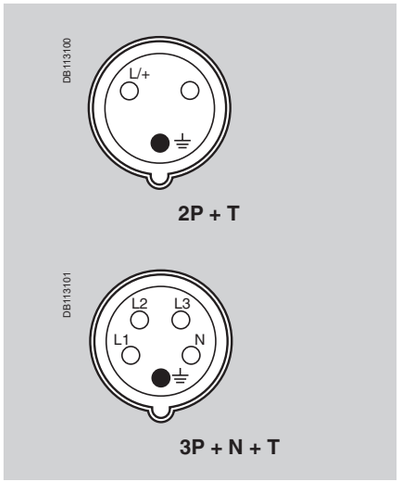
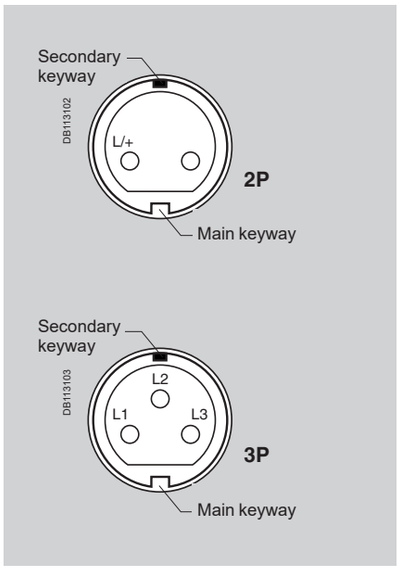
General information



Low voltage socket



Extra-low voltage socket

Principal provisions

The standards cover the use of plugs and sockets with either alternate current, frequency of up to 500 Hz, or direct current, divided into two main classes:
- extra-low voltage plugs and sockets, with operating voltage of up to 50 V
- low voltage plugs and sockets, with operating voltage of 50 V to 690 V.

The standards cover rated currents of 16 and 32 A with 2P and 3P configurations for extra-low voltage, and rated currents of 16, 32, 63 and 125 A with 2P+⏚, 3P+⏚ and 3P+N+⏚ for low voltage.

There is a specific model for each use, with different rated characteristics of voltage, frequency, polarity and application, incorporating safety hindrances which make it impossible to insert any plug in a socket which is not the exact corresponding type.
Non-interchangeability is ensured by compliance with the different standardised dimension tables which indicate different ground contact positions in relation to a standard fixed reference of the connection.

Low voltage versions > 50 V

In the low voltage versions non-interchangeability is ensured by means of two elements:
- a guide spline on the socket which matches with a corresponding nib on the plug
- a ground contact larger than the other contacts, in a different clock position according to the rated operating characteristics.

The clock position (h) of the ground contact is checked by observing, with the socket viewed from the front, the position of the ground contact in relation to the main keyway (guide spline), always positioned at 6 o'clock.

Extra-low voltage versions < 50 V

Also for these versions, with no ground contact, non-interchangeability is ensured by means of two reference elements:
- a guide spline on the plug which matches with a corresponding nib on the socket, always at a fixed 6 o'clock position
- a secondary keyway, also this a spline on the plug to which corresponds a nib on the socket, at different clock positions according to the operating characteristics.

The clock position (h) of the secondary keyway is checked by observing, with the socket viewed from the front, the position of the nib in relation to the main keyway, always positioned at 6 o'clock.

Coded colours

For easy identification of the operating voltage, the standard indicates conventional coded colours which may involve the entire device or only one part (e.g., lift cover, ring, etc.).

Rated operating voltage	Colour (1)
De 10 à 25 V	Violet
De 40 à 50 V	White
De 100 à 130 V	Yellow
De 200 à 250 V	Blue
De 380 à 480 V	Red
De 500 à 690 V	Black

(1): for a frequency above 60 Hz and up to 500 Hz included, the green colour can be used, if necessary, in conjunction with the colour of the rated operating voltage.

Clock reference

The range comprises all versions covered by the standards, including the more specific ones. Although the catalogue covers only some standard models, it is possible to have all the different clock positions specified by the standard; the following are some of the positions for this range:

Application		Clock position ground contact
Common use		h 6
Refrigerated containers		h 3
Marines, wharf and ship installations		h 11
Power supply through isol.transformer (TST)		h 12
Direct current	50 to 250 V	h 3
	Above 250 V	h 8
Hight-frequency	100 to 300 Hz	h 10
	Above 300 to 500 Hz	h 2
Special voltage	100 to 130 V	h 4
	480 to 500 V	h 7
	600 to 690 V	h 5

Possible variations are indicated in the table at page 58.

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Degree of protection IP

The standard classifies and codifies a great number of external influences to which an electrical system may be subjected: presence of water, solid objects, risk of impacts, vibrations, presence of corrosive substances, etc.
These situations can affect electrical components with a variable intensity depending on the characteristics of the system: presence of water, for example, can be either some drops of water falling or total immersion.

IP code

The standard IEC 60529 (EN 60529) indicates, by means of the IP code, the degree of protection for electrical devices against access to energised parts and against the entry of water and of foreign solid objects.
This standard does not consider the protection against the risk of explosion or environmental situations like humidity, corrosive vapours, moulds or insects.
The IP code is composed of 2 characteristic digits and can be expanded by an additional letter if the protection of people against access to energised parts is greater than the one indicated by the first digit.
Another supplementary letter indicates additional information on the protection of material.
The table below indicates the classification criteria of the IP code.

Degree of protection IP in accordance to IEC 60529

1st characteristic digit: protection against the entry of foreign objects and against access to dangerous parts.

Meaning	0	1	2	3	4	5	6
Protection of the enclosure against the entry of		Solid objects with dimensions greater than 50 mm	Solid objects with dimensions greater than 12.5 mm	Solid objects with dimensions greater than 2.5 mm	Solid objects with dimensions greater than 1 mm	Harmful amount of dust Talcum powder	Dust (totally protected) Talcum powder

2nd characteristic digit: protection against the infiltration of water

Meaning	0	1	2	3	4	5	6	7	8	9
Protection of the enclosure against the harmful effect of		Water drops falling vertically	Water drops falling vertically with an angle of 15° from vertical	Rain	Splashes of water	Jets of water	Strong jets of water	Temporary immersion	Continuous immersion	Protected against close-range high pressure, high temperature spray downs

Optional letters

The additional letter is used only if the actual protection of persons is higher than that indicated by the first characteristics numeral of the IP code.
If only the protection of persons is of interest, the two characteristics numerals are replaced by the letter "X", e.g. IPXXB.

Additional letter	Protection
A	Protection of person against access with back of hand
B	Protection of person against access with finger
C	Protection of person against access with tool
D	Protection of person against access with wire

If only the protection of persons is of interest, the two characteristics numerals are replaced by the letter "X", e.g. IPXXB.

Supplementary letter*	Protection
H	High voltage devices
M	Tested against the harmful effects of water infiltration when the mobile parts of the device are moving
S	Tested against the harmful effects of water infiltration when the mobile parts of the device are not moving
W	Suitable for use in specified atmospheric conditions and provided with additionalmeasures and procedures

(*) For the protection of material.

Used only if:
- the effective protection against access to dangerous parts is greater than the one indicated by the first characteristic digit
- only the protection against access to dangerous parts is indicated and the first characteristic digit is then replaced by an X.

Example of full application of the IP code



Protected against the entry of solid objects larger than 2.5 mm

Protected against the effects of splashing water

Protected against access with a wire

Suitable for use in specified atmospheric conditions

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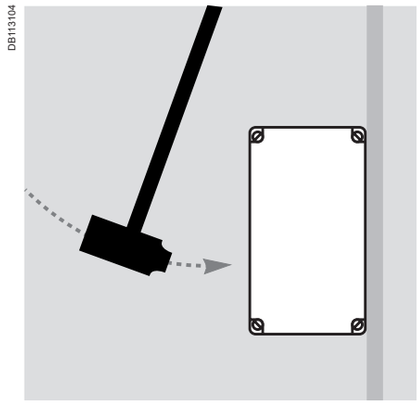
Degree of protection IK



Degree of protection against mechanical impacts IK

The standard IEC 62262 defines the degree of protection against mechanical impacts indicated with the letters IK, followed by a number. The following table indicates the impact values in joules corresponding to each code.

Degree of protection against mechanical impacts IK in accordance with standard IEC 62262

IK code	Impact energy
00	Not protected
01	0.15 Joule
02	0.2 Joule
03	0.35 Joule
04	0.5 Joule
05	0.7 Joule
06	1 Joule
07	2 Joule
08	5 Joule
09	10 Joule
10	20 Joule

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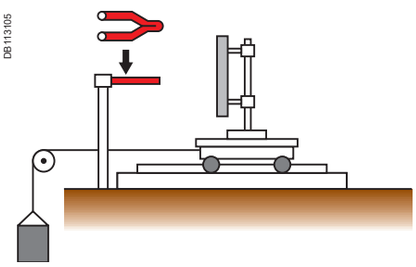
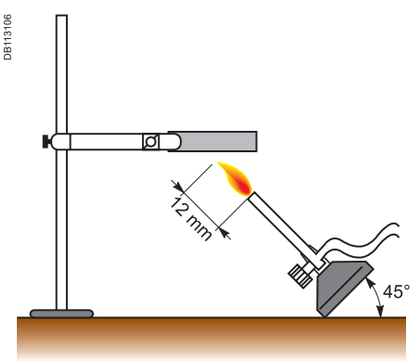
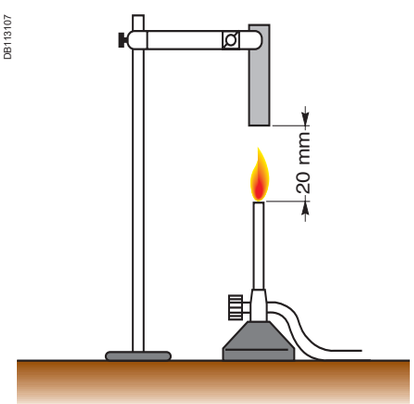
Behaviour to abnormal heat and to fire







Self-extinguishing characteristics and behaviour to abnormal heat and to fire

The assessment index for the behaviour to fire of components made of organic material is defined by the different product standards and generally refer to three different test methods.

Aim of the tests	Tests results	Tests conditions
Glow-wire test in accordance with IEC 60695-2-11		
Simulate the thermal stress which may be produced by heat or ignition sources (incandescent elements or overloaded resistors for short periods) to be able to assess the danger of starting a fire.	Any flame must stop within 30 sec after removing the incandescent wire. ■ **Test temperatures** □ 650°C □ 750°C □ 850°C □ 960°C Falling burning drops do not set fire to the tissue paper.	**Heat sources** 4 mm diameter incandescent wire **Duration of the test** Wire applied for 30 sec. **Characteristic elements** Extinguishing time of the flame
Flame with needle test in accordance with IEC 60695-2-12		
Simulate the effect of small flames which may occur in a malfunction condition within the products with the aim of judge the risk of fire.	■ The sample does not catch fire ■ The flame and the incandescent particles do not propagate fire ■ The duration of combustion is less than 30 sec after removing the Bunsen burner	**Heat sources** Flame from a Bunsen burner **Duration of the test** Flame applied for 5, 10, 20, 30, 60, 120 sec according to the specific standard **Characteristic elements** The degree of severity: flame application time (AT)
UL method - Underwriters Laboratories in accordance with UL 94		
Supply a classification of the various behaviours which the materials may after contact with the flame from a Bunsen burner	■ V0 if the specimen burns on average for less than 5 sec before self-extinguishing ■ V1 if it burns on average for less than 25 sec. ■ V2 if it burns for less than 25 sec with incandescent drips ■ HB if it burns for more than 25 sec (specimen horizontal and combustion velocity less than 38 mm/min) **Assimilated to ASTM D-635**	**Heat sources** Flame from a Bunsen burner **Duration of the test** Flame applied for 10 sec twice in a row **Characteristic elements** Duration of combustion

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Behaviour to chemical agents

Behaviour to chemical agents

The indications stated below are applicable to the conditions where the ambient temperature does not exceed 40 °C and the mechanical stress is not so concentrated as to cause permanent surface deformations.
The engineering polymers used for our products ensure optimum behaviour of the finished products to chemical and atmospheric agents.

Should such products be used in environments with a particularly high concentration of acids, bases, oils, it will advisable to contact our Technical Department for a better solution to the problem.
In any case, the series of products highlighted with blue are suitable for use in particularly aggressive environments, characterised by strong concentration of oils, bases and acids.

Product series	H_2O	Saline solution	ACIDS Conc.	ACIDS Diluted	BASES Conc.	BASES Diluted	SOLVENTS Hexane	SOLVENTS Benzene	SOLVENTS Acetone	OIL Absol. ethyl alcohol	OIL Silicone	OIL Mineral	Veget. oil	Animal fat	Synthetic grease	Animal organic solution	FUEL Unleaded premium	FUEL Premium	FUEL Diesel	Ammonia
PratiKa low and extra-low voltage Plugs and sockets	R	R	RL	R	RL	R	R	RL	RL	R	R	R	R	R	R	R	RL	RL	R	R
Domestic sockets	R	R	RL	R	RL	R	R	RL	RL	R	R	R	R	R	R	R	RL	RL	R	R
Schuko sockets	R	RL	RL	R	RL	R	R	NR	NR	R	R	NR	NR	NR	NR	NR	NR	NR	NR	NR
PratiKa Unika Sockets with interlock switch	R	R	NR	R	RL	R	NR	NR	NR	NR	R	RL	RL	NR	RL	RL	NR	NR	NR	RL
Modular bases	R	R	NR	R	RL	R	NR	NR	NR	NR	R	RL	RL	NR	RL	RL	NR	NR	NR	RL
PratiKa Isoblock Sockets with interlock switch	R	R	RL	R	RL	R	R	RL	RL	R	R	R	R	R	R	R	RL	RL	R	R
Modular panels	R	R	RL	R	RL	R	R	RL	RL	R	R	R	R	R	R	R	RL	RL	R	R
Junction boxes	R	NR	RL	R	RL	R	R	NR	NR	R	R	RL	RL	NR	NR	RL	NR	NR	NR	NR
Kaedra system Enclosures	R	R	RL	R	RL	R	NR	NR	NR	R	R	RL	RL	NR	RL	NR	NR	NR	NR	RL

Legend: R Resistant RL Limited resistance NR Not resistant

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Summary table of identification and interchangeability

Summary table of identification and interchangeability for industrial-type plugs and sockets included in the different systems covered by the IEC 60309-2 and IEC 60309-4 standards

LOW VOLTAGE - above 50 V up to 690 V

2P+⏚					3P+⏚					3P+N+⏚				
FREQ. (Hz)	RATED VOLTAGE Un (V)	SOCKET'S FRONT VIEW OF EARTH CONTACT POSITION (1)			FREQ. (Hz)	RATED VOLTAGE Un (V)	SOCKET'S FRONT VIEW OF EARTH CONTACT POSITION (1)			FREQ. (Hz)	RATED VOLTAGE Un (V)	SOCKET'S FRONT VIEW OF EARTH CONTACT POSITION (1)		
		16 and 32 A	63 and 125 A				16 and 32 A	63 and 125 A				16 and 32 A	63 and 125 A	
50 and 60	100-130	4 h	4 h	DB113176		100-130	4 h	4 h	DB113185		57/100-75/130	4 h	4 h	DB113194
	200-250	6 h	6 h	DB113177		200-250	9 h	9 h	DB113179		120/208-144/250	9 h	9 h	DB113195
60	277	5 h	5 h	DB113178	50 and 60	380-415	6 h	6 h	DB113186	50 and 60	200/346-240-415	6 h	6 h	DB113196
50 and 60	380-415	9 h	9 h	DB113179		480-500	7 h	7 h	DB113187		277/480-288/500	7 h	7 h	DB113197
	480-500	7 h	7 h	DB113180		600-690	5 h	5 h	DB113188		347/600-400/690	5 h	5 h	DB113198
	Supply by isolating transformer	12 h	12 h	DB113181 (3)		Supply by isolating transformer	12 h	12 h	DB113189 (5)					
100-300 included	More than 50	–	–		60	440-460 (2)	11 h	11 h	DB113190	60	250/440-265/460	11 h	11 h	DB113199
301-500 included	More than 50	2 h	–	DB113182	50 60	380-440 (4)	3 h	–	DB113191	50 60	220/380-250/440 (4)	3 h	–	DB113200
DC	50-250 included	3 h	3 h	DB113183 (3)	100-300 included	More than 50	10 h	–	DB113192	100-300 included	More than 50	–	–	
	More than 250	8 h	8 h	DB113184 (3)	301-500 included	More than 50	2 h	–	DB113193	301-500 included	More than 50	2 h	–	DB113201
					For all other rated voltage and/or frequences that are not included in the above configuration							1 h	1 h	DB113202

EXTRA-LOW VOLTAGE - UP TO 50 V

FREQ. (Hz)	RATED OPERATING VOLTAGE (V)	POSITION OF SECONDARY KEYWAY (5)		
		16 and 32 A	2P	3P
50 and 60	20-25	Without keyway	DB113203	DB113210
50 and 60	40-50	12 h	DB113204	DB113211
100 to 200 included	20-25 and 40-50	4 h	DB113205	DB113212
300		2 h	DB113206	DB113213
400		3 h	DB113207	DB113207
401 to 500 included		11 h	DB113208	DB113214
Direct current	20-25 and 40-50	10 h	DB113209	

NOTES

(1) The ground contact position is in relation to the keyway. The table indicates only the values for series I (16 - 32 - 63 - 125 A); however the devices can also be used in accordance with the values of series II (20 - 30 - 60 - 100 A).
(2) Mainly for installation on ships. The positions indicated by a dash (-) are not standardised.
(3) Colour according to voltage.
(4) For refrigerated containers only (standardised ISO).
(5) The position of the secondary keyway is in relation to the main keyway.

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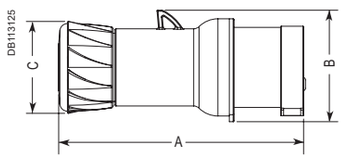
PratiKa plugs and sockets
Low voltage
Wander plugs and sockets

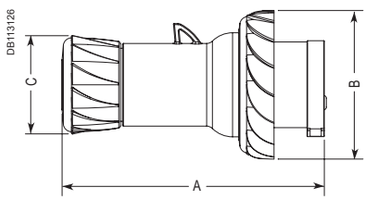
Plugs

IP44

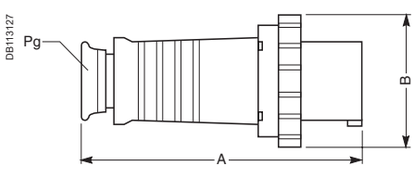


Dim.	16 A			32 A		
	2P+⏚	3P+⏚	3P+N+⏚	2P+⏚	3P+⏚	3P+N+⏚
A	129	139	142	152	152	160
B	59	65	74	76	76	86
C	48	48	58	58	58	58

IP67



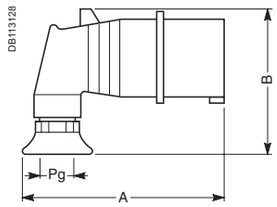
Dim.	16 A			32 A		
	2P+⏚	3P+⏚	3P+N+⏚	2P+⏚	3P+⏚	3P+N+⏚
A	129	139	142	152	152	160
B	73	81	89	95	95	102
C	48	48	58	58	58	58



Dim.	63 A			125 A		
	2P+⏚	3P+⏚	3P+N+⏚	2P+⏚	3P+⏚	3P+N+⏚
A	265	265	265	325	325	325
B	110	110	110	131	131	131
Pg	36	36	36	48	48	48

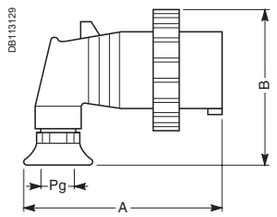
Wander plugs angled 90°

IP44



Dim.	16 A			32 A		
	2P+⏚	3P+⏚	3P+N+⏚	2P+⏚	3P+⏚	3P+N+⏚
A	110	115	119	141	141	141
B	91	98	105	113	113	116
Pg	16	16	16	21	21	21

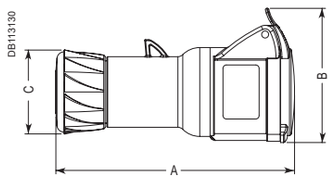
IP67



Dim.	16 A			32 A		
	2P+⏚	3P+⏚	3P+N+⏚	2P+⏚	3P+⏚	3P+N+⏚
A	110	115	119	141	141	141
B	91	98	105	113	113	116
Pg	16	16	16	21	21	21

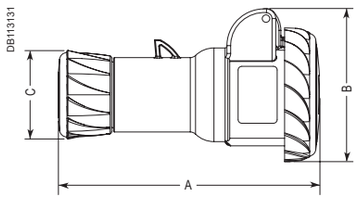
Wander sockets

IP44

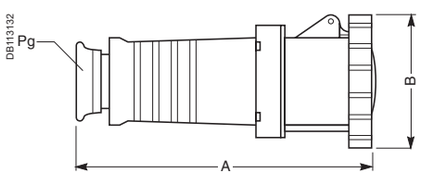


Dim.	16 A			32 A		
	2P+⏚	3P+⏚	3P+N+⏚	2P+⏚	3P+⏚	3P+N+⏚
A	140	150	153	165	165	172
B	78	88	97	98	98	106
C	48	48	58	58	58	58

IP67



Dim.	16 A			32 A		
	2P+⏚	3P+⏚	3P+N+⏚	2P+⏚	3P+⏚	3P+N+⏚
A	142	152	155	164	164	173
B	84	87	96	99	99	104
C	48	48	58	58	58	58



Dim.	63 A			125 A		
	2P+⏚	3P+⏚	3P+N+⏚	2P+⏚	3P+⏚	3P+N+⏚
A	265	265	265	325	325	325
B	110	110	110	131	131	131
Pg	36	36	36	48	48	48

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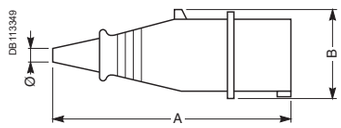
PratiKa plugs and sockets
Low voltage
Plugs with phase inverter - Systems adapters

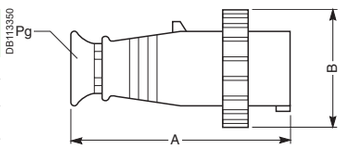
Plugs with phase inverter

IP44



Dim.	16 A	
	3P+⏚	3P+N+⏚
A	145	163
B	66,5	74,5
Ø	10	13

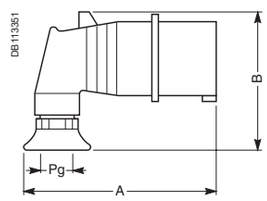
IP67



Dim.	16 A	
	3P+⏚	3P+N+⏚
A	139	147,5
B	77	87
Pg	Pg 16	Pg 21

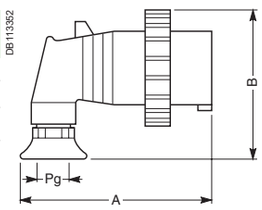
Wander plugs angled 90° with phase inverter

IP44



Dim.	16 A	
	3P+⏚	3P+N+⏚
A	115	119
B	91	98
Ø	16	16

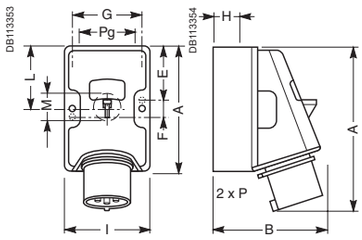
IP67



Dim.	16 A	
	3P+⏚	3P+N+⏚
A	115	119
B	98	105
Pg	16	16

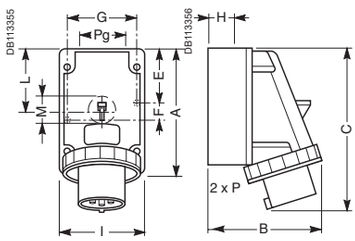
Wall-mounted plugs with phase inverter

IP44



Dim.	16 A	
	3P+⏚	3P+N+⏚
A	100	130
B	109	125
C	140	134
E	41	7
F	18	116
G	67	92
H	21	25
I	80	106
L	50	65
M	23	28,5
Pg	21	21
P	2 x 16	2 x 21

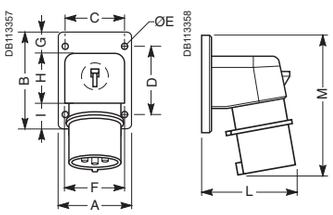
IP67



Dim.	16 A	
	3P+⏚	3P+N+⏚
A	100	130
B	116	169
C	140	134
E	41	7
F	18	116
G	67	92
H	21	25
I	80	106
L	50	65
M	23	28,5
Pg	21	21
P	2 x 16	2 x 21

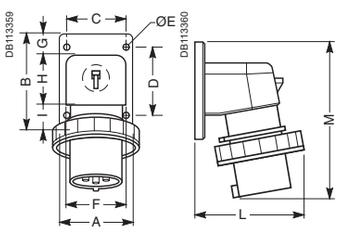
Panel-mounted plugs with phase inverter

IP44



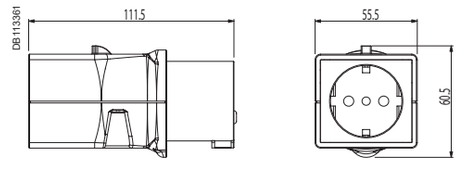
Dim.	16 A	
	3P+⏚	3P+N+⏚
A	65	90
B	85	100
C	52	77
D	60	85
E	5,2	5,5
F	53	76
G	20	20
H	41,5	59,5
I	23,5	20,5
L	85	96
M	124	148

IP67

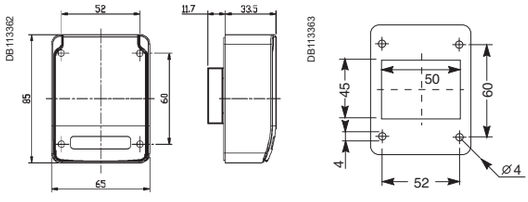


Dim.	16 A	
	3P+⏚	3P+N+⏚
A	65	90
B	85	100
C	52	77
D	60	85
E	5,2	5,5
F	53	76
G	20	20
H	41,5	59,5
I	23,5	20,5
L	92	107
M	124	148

System adapters



Domestic panel mounted sockets



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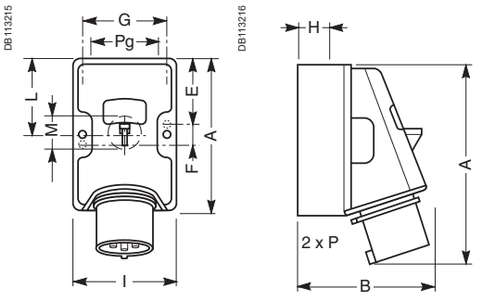
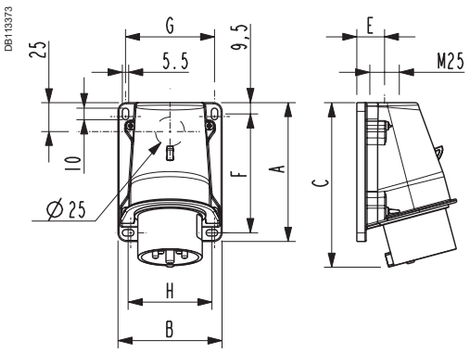
PratiKa plugs and sockets
Low voltage
Wall-mounted plugs

Wall-mounted plugs

IP44

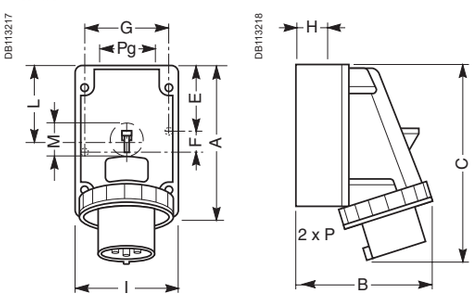


Dim.	16 A			32 A		
	2P+⏚	3P+⏚	3P+N+⏚	2P+⏚	3P+⏚	3P+N+⏚
A	100	100	130	130	130	130
B	106	109	125	130	130	132
C	139	140	134	136	136	140
E	41	41	7	7	7	7
F	18	18	116	116	116	116
G	67	67	92	92	92	92
H	21	21	25	25	25	25
I	80	80	106	106	106	106
L	50	50	65	65	65	65
M	23	23	28,5	28,5	28,5	28,5
Pg	21	21	21	21	21	21
P	2 x 16	2 x 16	2 x 21	2 x 21	2 x 21	2 x 21

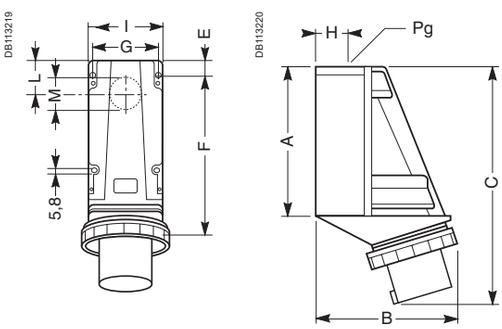


Dim.	16 A			32 A		
	2P+⏚	3P+⏚	3P+N+⏚	2P+⏚	3P+⏚	3P+N+⏚
A	100	100	120	120	120	120
B	75	75	90	90	90	90
C	122	123	142	151	151	152
D	76	76	86	89	89	95
E	21	21	24	24	24	24
F	83	83	103	103	103	103
G	62	62	77	77	77	77
H	57,5	57,5	72,5	72,5	72,5	72,5

IP67



Dim.	16 A			32 A		
	2P+⏚	3P+⏚	3P+N+⏚	2P+⏚	3P+⏚	3P+N+⏚
A	100	100	130	130	130	130
B	111	116	169	178	178	179
C	139	140	134	136	136	140
E	41	41	7	7	7	7
F	18	18	116	116	116	116
G	67	67	92	92	92	92
H	21	21	25	25	25	25
I	80	80	106	106	106	106
L	50	50	65	65	65	65
M	23	23	28,5	28,5	28,5	28,5
Pg	21	21	21	21	21	21
P	2 x 16	2 x 16	2 x 16	2 x 16	2 x 16	2 x 16



Dim.	63 A			125 A		
	2P+⏚	3P+⏚	3P+N+⏚	2P+⏚	3P+⏚	3P+N+⏚
A	162	162	162	224	224	224
B	180	180	180	214	214	214
C	281	281	281	354	354	354
E	8	8	8	23	23	23
F	127	127	127	147	147	147
G	88	88	88	97	97	97
H	31	31	31	44	44	44
I	104	104	104	114	114	114
L	40	40	40	50	50	50
M	38	38	38	60	60	60
Pg	29	29	29	48	48	48

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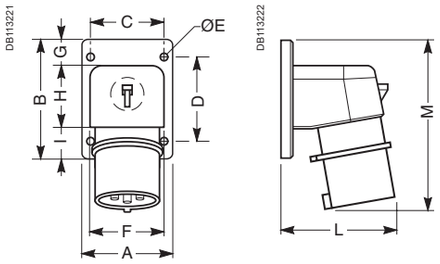
PratiKa plugs and sockets
Low voltage
Panel-mounted plugs - Wall-mounted sockets

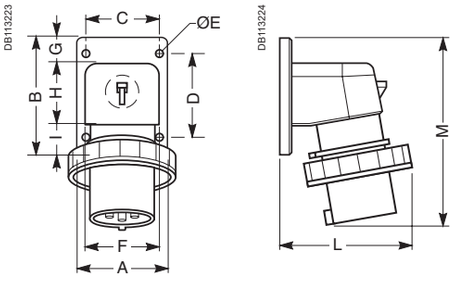
Panel-mounted plugs

IP44

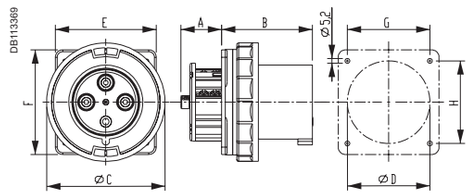


Dim.	16 A			32 A		
	2P+⏚	3P+⏚	3P+N+⏚	2P+⏚	3P+⏚	3P+N+⏚
A	65	65	90	90	90	90
B	85	85	100	100	100	100
C	52	52	77	77	77	77
D	60	60	85	85	85	85
E	5,2	5,2	5,5	5,5	5,5	5,5
F	53	53	76	76	76	76
G	20	20	20	20	20	20
H	41,5	41,5	59,5	59,5	59,5	59,5
I	23,5	23,5	20,5	20,5	20,5	20,5
L	82	85	96	98	98	101
M	123	124	148	159	159	159

IP67

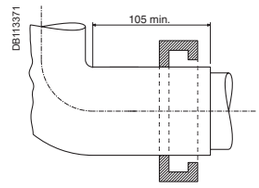


Dim.	16 A			32 A		
	2P+⏚	3P+⏚	3P+N+⏚	2P+⏚	3P+⏚	3P+N+⏚
A	65	65	90	90	90	90
B	85	85	100	100	100	100
C	52	52	77	77	77	77
D	60	60	85	85	85	85
E	5,2	5,2	5,5	5,5	5,5	5,5
F	53	53	76	76	76	76
G	20	20	20	20	20	20
H	41,5	41,5	59,5	59,5	59,5	59,5
I	23,5	23,5	20,5	20,5	20,5	20,5
L	92	92	107	112	112	115
M	123	124	148	159	159	159



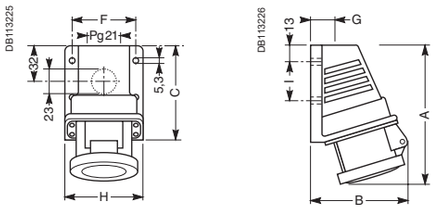
Dim.	63 A			125 A		
	2P+⏚	3P+⏚	3P+N+⏚	2P+⏚	3P+⏚	3P+N+⏚
A	24	24	24	44,5	44,5	44,5
B	89	89	89	99	99	99
C	114	114	114	129	129	129
D	75	75	75	90	90	90
E	100	100	100	110	110	110
F	107	107	107	114	114	114
G	77	77	77	90	90	90
H	85	85	85	90	90	90

Retaining means for IP67 panel mounted - plugs of 63 A and 125 A (according to standards IEC 60309-2 and IEC 60309-4)



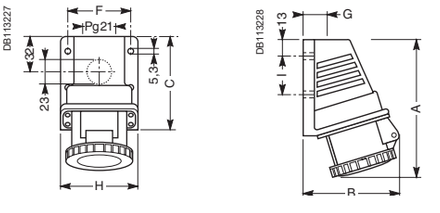
Small wall-mounted sockets

IP44



Dim.	16 A			32 A		
	2P+⏚	3P+⏚	3P+N+⏚	2P+⏚	3P+⏚	3P+N+⏚
A	131	131	150	159	159	160
B	92	92	101	104	104	106
C	82	82	100	100	100	100
F	59	59	69	69	69	69
G	20	20	24	24	24	24
H	70	70	81	81	81	81
I	33	33	47	47	47	47

IP67



Dim.	16 A			32 A		
	2P+⏚	3P+⏚	3P+N+⏚	2P+⏚	3P+⏚	3P+N+⏚
A	132	132	152	161	161	162
B	92	92	101	104	104	106
C	82	82	100	100	100	100
F	59	59	69	69	69	69
G	20	20	24	24	24	24
H	70	70	81	81	81	81
I	33	33	47	47	47	47

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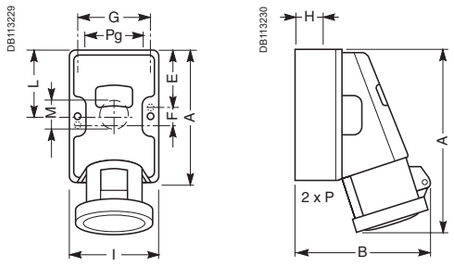
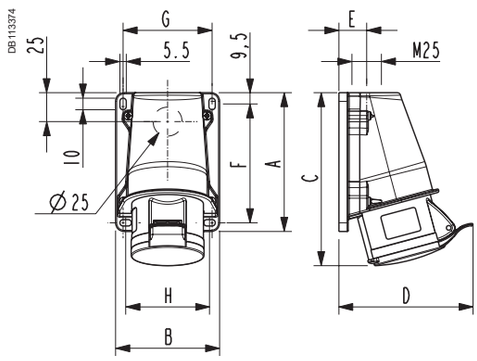
PratiKa plugs and sockets
Low voltage
Wall-mounted sockets

Wall-mounted sockets

IP44

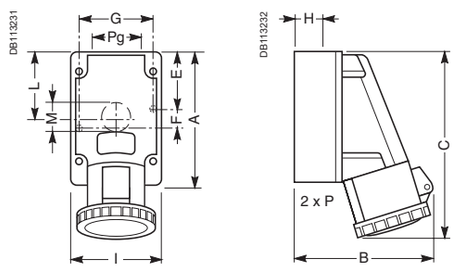


Dim.	16 A			32 A		
	2P+⏚	3P+⏚	3P+N+⏚	2P+⏚	3P+⏚	3P+N+⏚
A	100	100	130	130	130	130
B	126	126	141	145	145	149
C	154	155	176	189	189	192
E	41	41	7	7	7	7
F	18	18	116	116	116	116
G	67	67	92	92	92	92
H	21	21	25	25	25	25
I	80	80	106	106	106	106
L	50	50	65	65	65	65
M	23	23	28,5	28,5	28,5	28,5
Pg	21	21	21	21	21	21
P	2 x 16	2 x 16	2 x 21	2 x 21	2 x 21	2 x 21

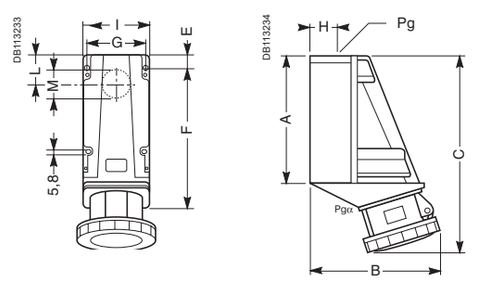


Dim.	16 A			32 A		
	2P+⏚	3P+⏚	3P+N+⏚	2P+⏚	3P+⏚	3P+N+⏚
A	100	100	120	120	120	120
B	75	75	90	90	90	90
C	129	131	150	160	160	160
D	100	104	116	119	119	125
E	21	21	24	24	24	24
F	83	83	103	103	103	103
G	62	62	77	77	77	77
H	57,5	57,5	72,5	72,5	72,5	72,5

IP67



Dim.	16 A			32 A		
	2P+⏚	3P+⏚	3P+N+⏚	2P+⏚	3P+⏚	3P+N+⏚
A	100	100	130	130	130	130
B	126	127	143	148	148	154
C	155	156	178	191	191	194
E	41	41	7	7	7	7
F	18	18	116	116	116	116
G	67	67	92	92	92	92
H	21	21	25	25	25	25
I	80	80	106	106	106	106
L	50	50	65	65	65	65
M	23	23	28,5	28,5	28,5	28,5
Pg	21	21	21	21	21	21
P	2 x 16	2 x 16	2 x 21	2 x 21	2 x 21	2 x 21



Dim.	63 A			125 A		
	2P+⏚	3P+⏚	3P+N+⏚	2P+⏚	3P+⏚	3P+N+⏚
A	162	162	162	224	224	224
B	180	180	180	213	213	213
C	255	255	255	340	340	340
E	8	8	8	23	23	23
F	127	127	127	147	147	147
G	88	88	88	97	97	97
H	31	31	31	44	44	44
I	104	104	104	114	114	114
L	40	40	40	50	50	50
M	38	38	38	60	60	60
Pg	29	29	29	48	48	48
Pgα	29	29	29	29	36	29

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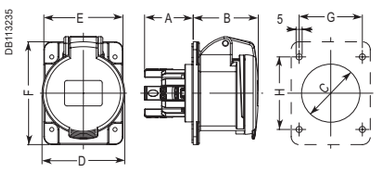
PratiKa plugs and sockets
Low voltage
Panel-mounted sockets

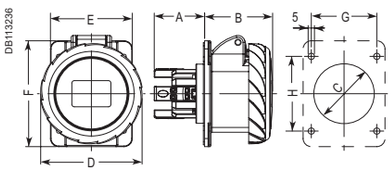
Straight panel-mounted sockets

IP44



Dim.	16 A			32 A		
	2P+⏚	3P+⏚	3P+N+⏚	2P+⏚	3P+⏚	3P+N+⏚
A	40	40	40	42	42	42
B	54	54	54	63	63	64
C	44	48	55	58	58	65
D	60	68	76	82	82	89
E	65	65	90	90	90	90
F	85	85	100	100	100	100
G	52	52	77	77	77	77
H	60	60	85	85	85	85

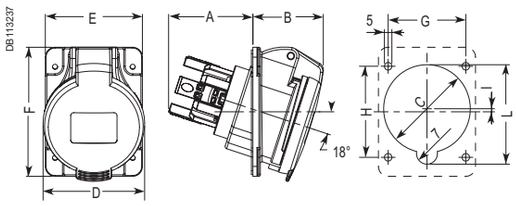
IP67



Dim.	16 A			32 A		
	2P+⏚	3P+⏚	3P+N+⏚	2P+⏚	3P+⏚	3P+N+⏚
A	40	40	40	42	42	42
B	54	54	54	63	63	64
C	44	48	55	58	58	65
D	73	81	89	95	95	102
E	65	65	90	90	90	90
F	85	85	100	100	100	100
G	52	52	77	77	77	77
H	60	60	85	85	85	85

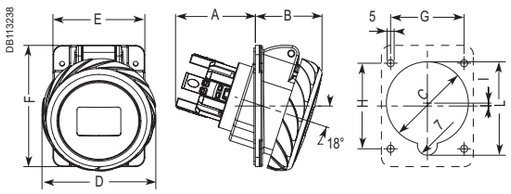
Angled panel-mounted sockets

IP44



Dim.	16 A			32 A		
	2P+⏚	3P+⏚	3P+N+⏚	2P+⏚	3P+⏚	3P+N+⏚
A	57	57	56	64	64	64
B	46	48	50	53	53	55
C	54	58	70	70	70	75
D	60	68	76	82	82	89
E	65	65	90	90	90	90
F	85	85	100	100	100	100
G	52	52	77	77	77	77
H	60	60	85	85	85	85
I	2	2	7	3	3	2,5
L	59	65,5	75	76	76	83

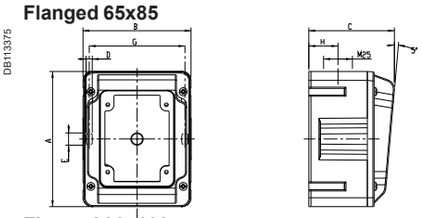
IP67



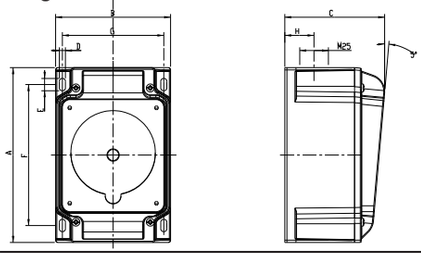
Dim.	16 A			32 A		
	2P+⏚	3P+⏚	3P+N+⏚	2P+⏚	3P+⏚	3P+N+⏚
A	57	57	56	64	64	64
B	46	48	50	54	54	57
C	54	58	70	70	70	75
D	73	81	89	95	95	102
E	65	65	90	90	90	90
F	85	85	100	100	100	100
G	52	52	77	77	77	77
H	60	60	85	85	85	85
I	2	2	7	3	3	2,5
L	59	65,5	75	76	76	83

Back box

Flanged 65x85



Flanged 90x100



Dim.	Suitable for fitting socket with flange	
	65 x 85	90 x 100
A	120	155
B	96	102
C	76	89
D	5,5	5,5
E	11	11
F	-	125
G	85	90
H	26	26

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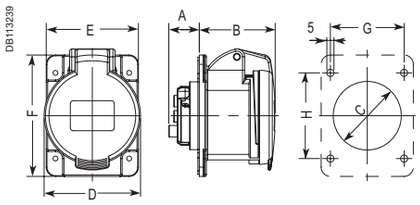
PratiKa plugs and sockets
Low voltage
Panel-mounted sockets

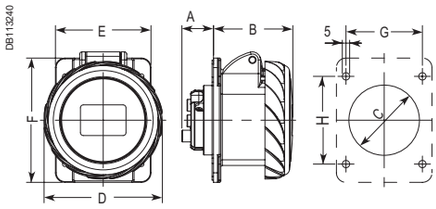
Straight panel-mounted sockets

IP44

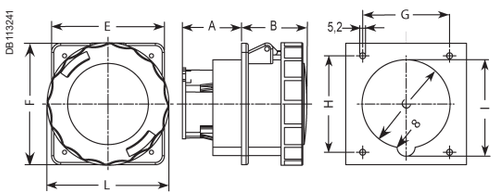


Dim.	16 A			32 A		
	2P+⏚	3P+⏚	3P+N+⏚	2P+⏚	3P+⏚	3P+N+⏚
A	22	22	22	28	28	28
B	54	54	54	63	63	64
C	44	48	54	58	58	65
D	60	68	76	82	82	89
E	65	65	90	90	90	90
F	85	85	100	100	100	100
G	52	52	77	77	77	77
H	60	60	85	85	85	85

IP67



Dim.	16 A			32 A		
	2P+⏚	3P+⏚	3P+N+⏚	2P+⏚	3P+⏚	3P+N+⏚
A	22	22	22	28	28	28
B	54	54	54	63	63	64
C	44	48	54	58	58	65
D	73	81	89	95	95	102
E	65	65	90	90	90	90
F	85	85	100	100	100	100
G	52	52	77	77	77	77
H	60	60	85	85	85	85

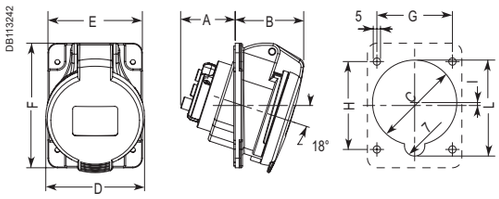


L = 108 mm for 63 A and 129 mm for 125 A

Dim.	63 A			125 A		
	2P+⏚	3P+⏚	3P+N+⏚	2P+⏚	3P+⏚	3P+N+⏚
A	52	52	52	76	76	76
B	61	61	61	85	85	85
C	78	78	78	90	90	90
E	100	100	100	110	110	110
F	107	107	107	114	114	114
G	77	77	77	90	90	90
H	85	85	85	90	90	90
I	85	85	85	96	96	96

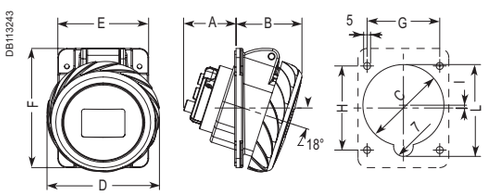
Angled panel-mounted sockets

IP44

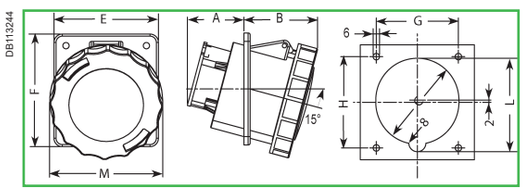


Dim.	16 A			32 A		
	2P+⏚	3P+⏚	3P+N+⏚	2P+⏚	3P+⏚	3P+N+⏚
A	38	38	37	48	48	48
B	46	48	50	53	53	55
C	54	58	70	70	70	75
D	60	68	76	82	82	89
E	65	65	90	90	90	90
F	85	85	100	100	100	100
G	52	52	77	77	77	77
H	60	60	85	85	85	85
I	2	2	7	3	3	2,5
L	59	65,5	75	76	76	83

IP67



Dim.	16 A			32 A		
	2P+⏚	3P+⏚	3P+N+⏚	2P+⏚	3P+⏚	3P+N+⏚
A	38	38	37	48	48	48
B	46	48	50	54	54	57
C	54	58	70	70	70	75
D	73	81	89	95	95	102
E	65	65	90	90	90	90
F	85	85	100	100	100	100
G	52	52	77	77	77	77
H	60	60	85	85	85	85
I	2	2	7	3	3	2,5
L	59	65,5	75	76	76	83



M = 108 mm for 63 A and 129 mm for 125 A

Dim.	63 A			125 A		
	2P+⏚	3P+⏚	3P+N+⏚	2P+⏚	3P+⏚	3P+N+⏚
A	56	56	56	76	76	76
B	73	73	73	90	90	90
C	82	82	82	96	96	96
E	100	100	100	110	110	110
F	107	107	107	114	114	114
G	77	77	77	90	90	90
H	85	85	85	90	90	90
I	90	90	90	102	102	102

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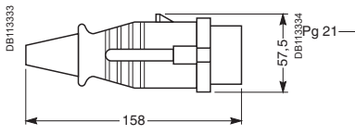
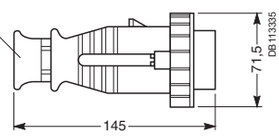
PratiKa plugs and sockets
Extra-low voltage

Wander-plugs

IP44

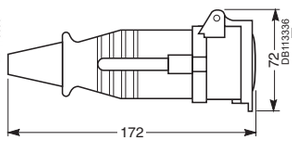


IP67

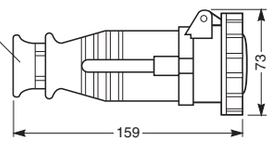


Wander sockets

IP44

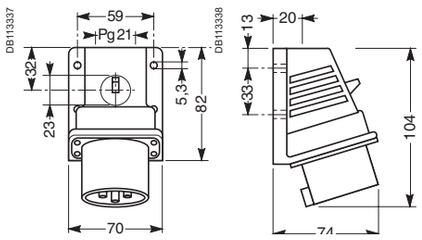


IP67



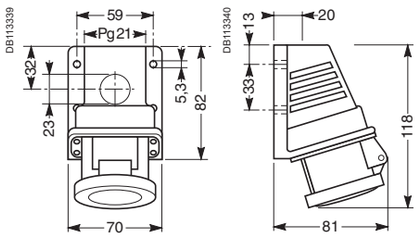
Wall-mounted plugs

IP44

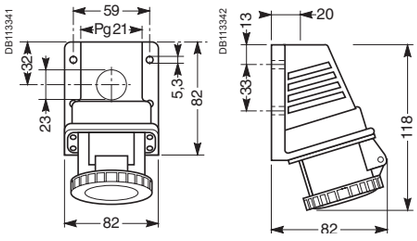


Wall-mounted sockets

IP44



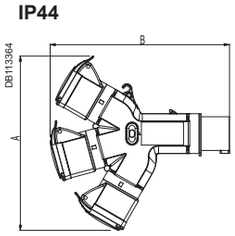
IP67



Multiple adapters 3 socket outlets

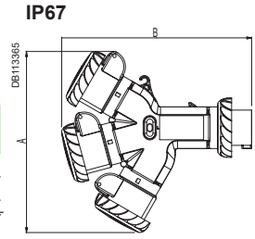
IP44

PLUG SIDE	IP44		SOCKET SIDE
	A	B	
16 A 2P+⏚	223	230	3 x 16 A 2P+⏚
16 A 3P+⏚	245	241	3 x 16 A 3P+⏚
32 A 3P+N+⏚	252	270	1x 32 A 3P+N+⏚ +2 x 16 A 2P+⏚



IP67

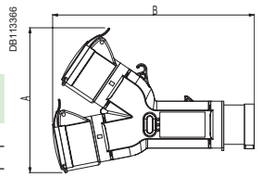
PLUG SIDE	IP67		SOCKET SIDE
	A	B	
16 A 2P+⏚	222	233	3 x 16 A 2P+⏚
16 A 3P+⏚	242	244	3 x 16 A 3P+⏚
32 A 3P+N+⏚	251	274	1x 32 A 3P+N+⏚ +2 x 16 A 2P+⏚



Multiple adapters 2 socket outlets

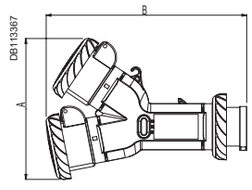
IP44

PLUG SIDE	IP44		SOCKET SIDE
	A	B	
16A 2P+⏚	160	230	2 x 16A 2P+⏚
16A 3P+⏚	173	241	2 x 16A 3P+⏚



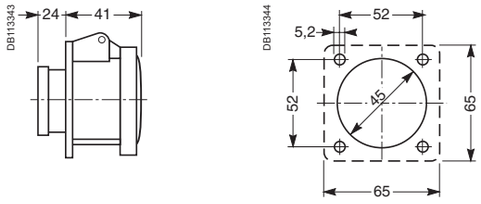
IP67

PLUG SIDE	IP67		SOCKET SIDE
	A	B	
16A 2P+⏚	160	233	2 x 16A 2P+⏚
16A 3P+⏚	171	244	2 x 16A 3P+⏚

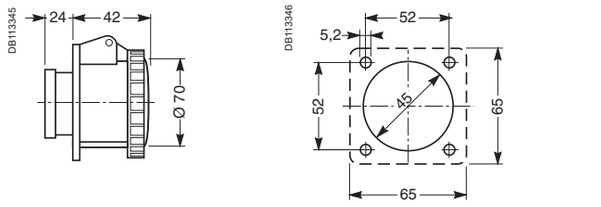


Panel-mounted straight sockets with flange 65 x 65

IP44

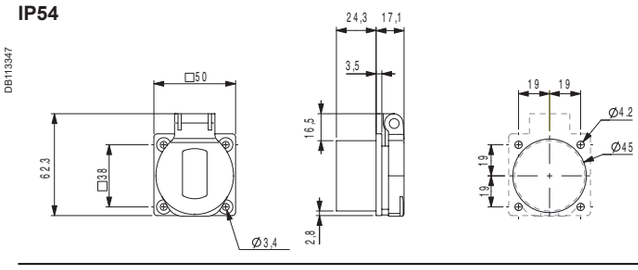


IP67



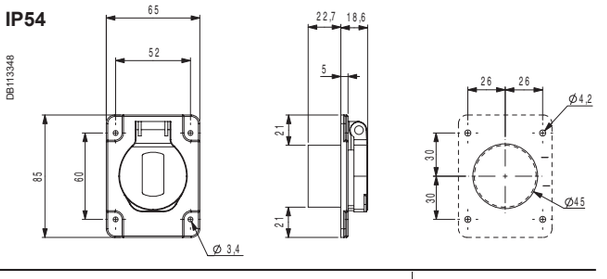
Domestic sockets 50 x 50

IP54



Domestic sockets 65 x 85

IP54



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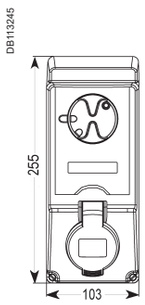
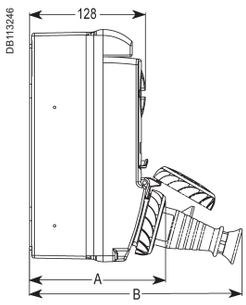
PratiKa sockets with interlock switch
Unika

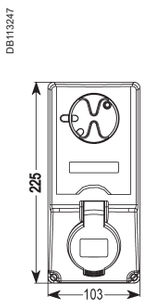
Unika sockets with interlock switch

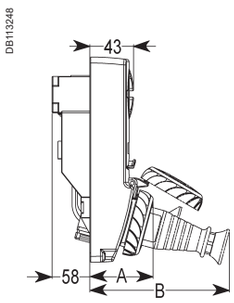
Wall-mounted version

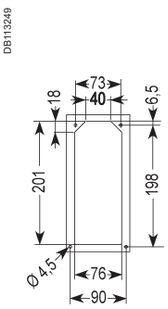




Panel-mounted version



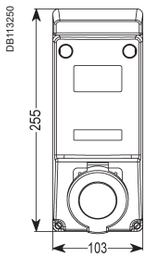


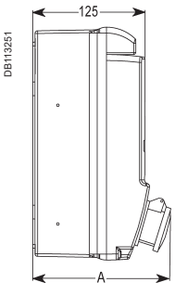


Dim.	IP44						IP65						IP44						IP65					
	16 A			32 A			16 A			32 A			16 A			32 A			16 A			32 A		
	3P	4P	5P	3P	4P	5P	3P	4P	5P	3P	4P	5P	3P	4P	5P	3P	4P	5P	3P	4P	5P	3P	4P	5P
A	150	150	151	151	151	152	149	150	151	151	151	153	69	69	70	70	70	71	68	69	70	70	70	72
B	235	239	257	271	271	274	237	240	244	260	260	261	154	158	176	190	190	193	156	159	163	179	179	180

Unika sockets with safety transformer

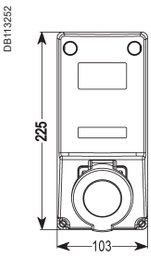
Wall-mounted version

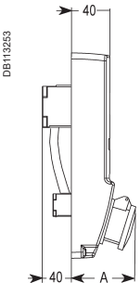




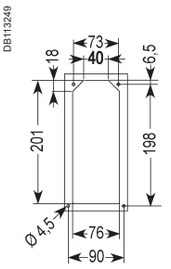
A = 166 (IP44) 167 (IP65)

Panel-mounted version



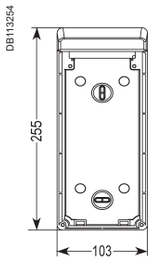


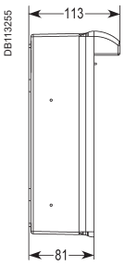
A = 86 (IP44) 87 (IP65)



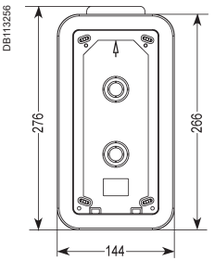
Unika Mounting boxes

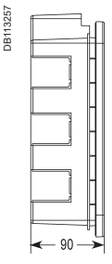
Wall-mounting





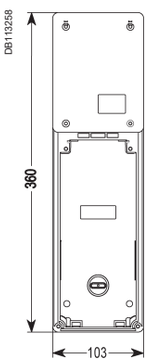
Embedded boxes

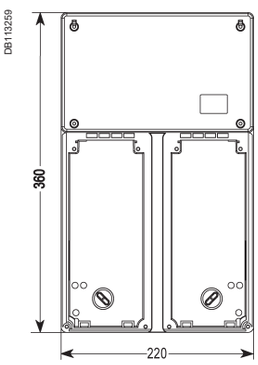


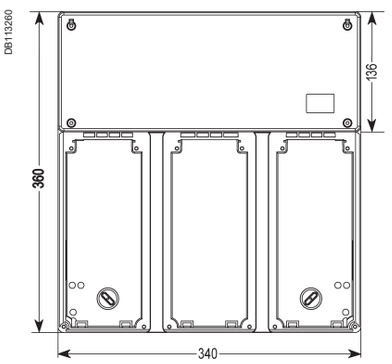


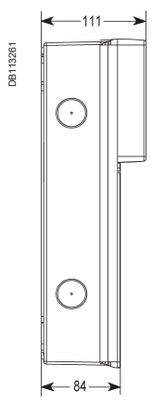
Unika Modular bases

Wall-mounting









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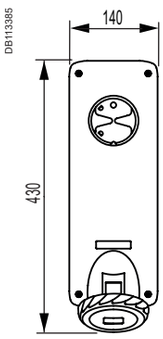
PratiKa sockets with interlock switch
Unika

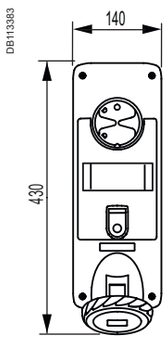
Unika Sockets with interlock switch

Wall -mounted IP 65

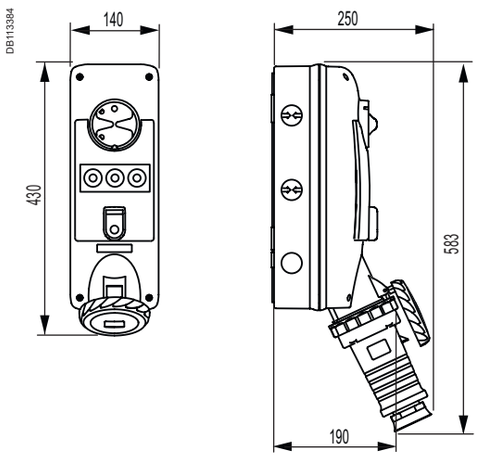
Without protection



With DIN rail

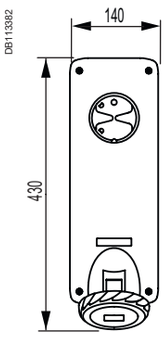


Protected by fuse carrier

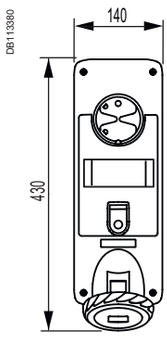


Panel -mounted IP 65

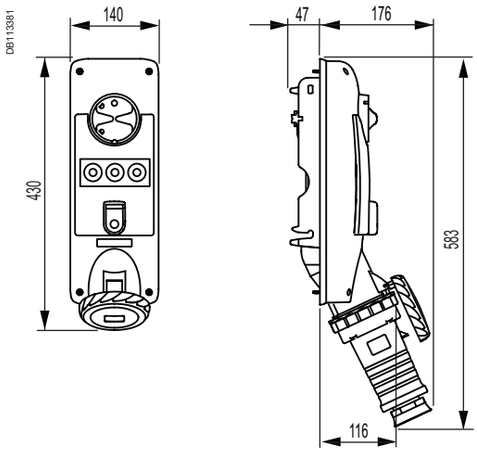
Without protection



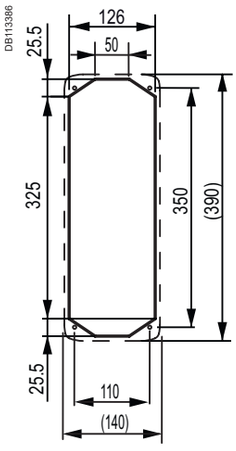
With DIN rail



Protected by fuse carrier



Fixing opening for panel-monted version



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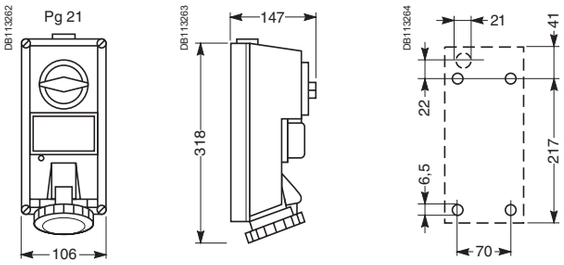
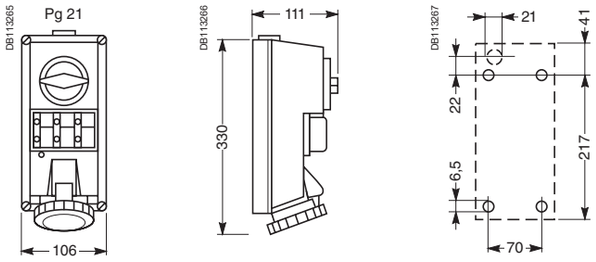
PratiKa sockets with interlock switch
Isoblock

Isoblock - Sockets with interlock switch protected by disconnect fuse carriers with and without warning device

IP65 - 16 A

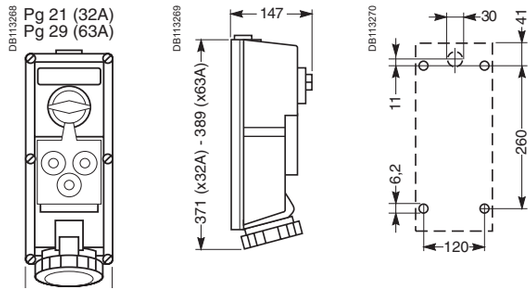


IP65 - 32 A



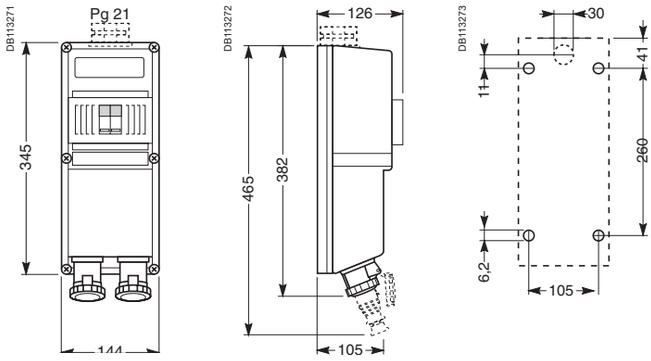
Sockets with interlock switch protected by diazed fuse carriers

IP65 - 63 A



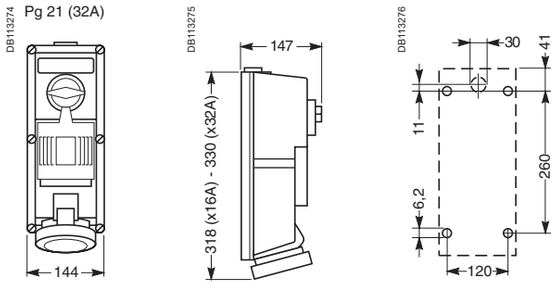
Sockets with safety transformer

IP65 - 32 A

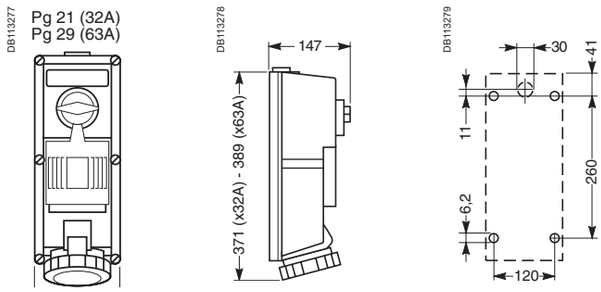


Sockets with DIN rail

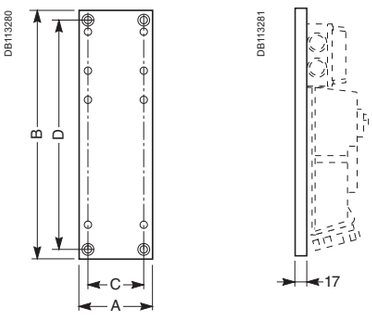
IP65 - 16 A et 32 A



IP65 - 32 A et 63 A



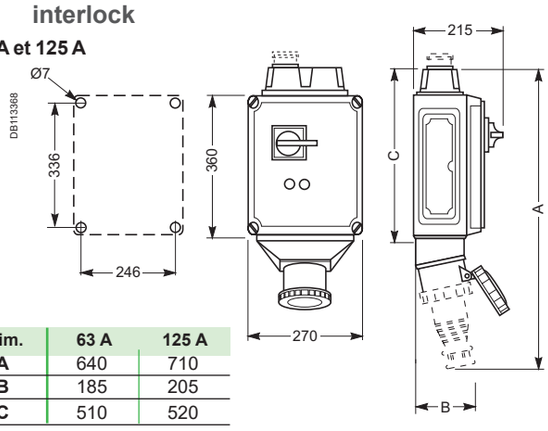
Modular panels



Dim.	83925	83926	83927
A	111	222	151
B	535	535	535
C	81	192	121
D	514	514	514

Isoblock - Sockets with safety switch and electrical interlock

IP65 - 63 A et 125 A



Dim.	63 A	125 A
A	640	710
B	185	205
C	510	520

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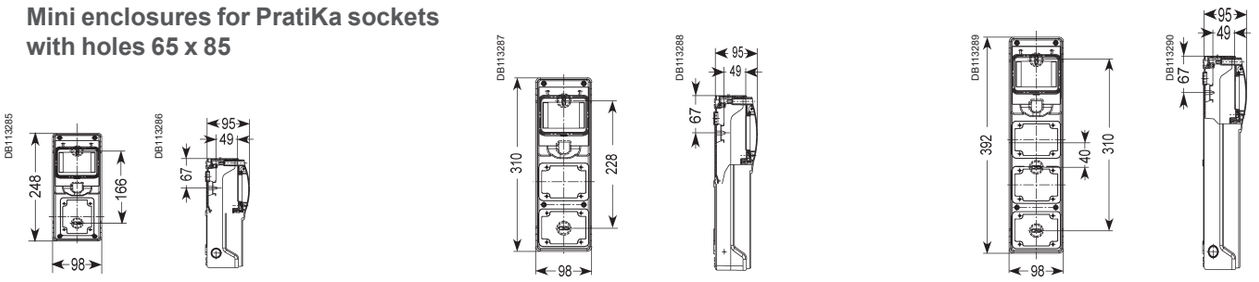
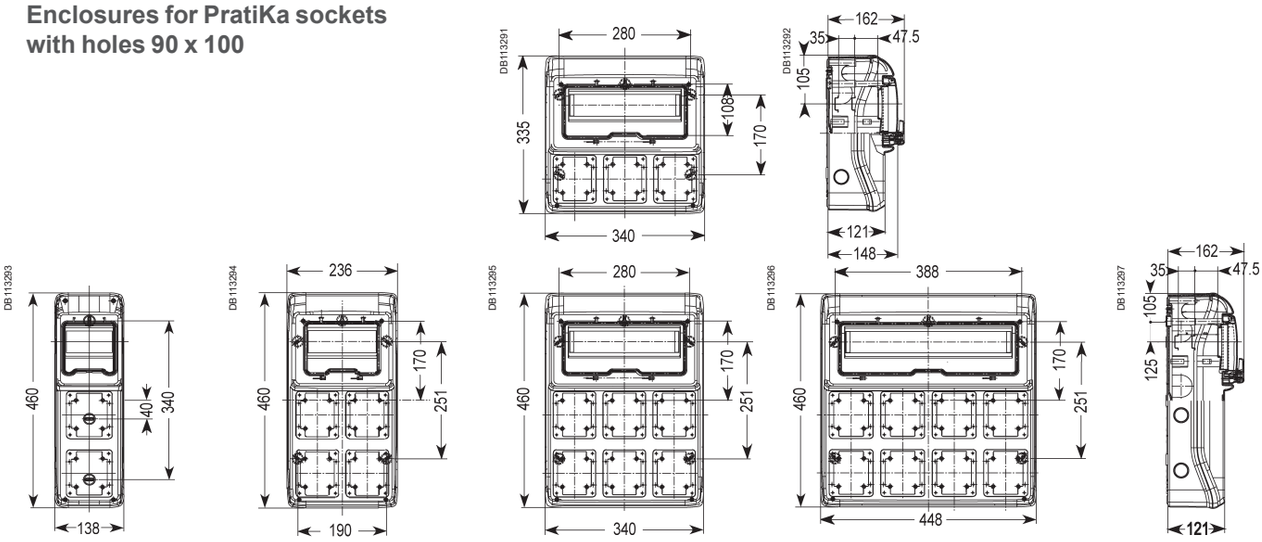
Kaedra System
Enclosures for sockets

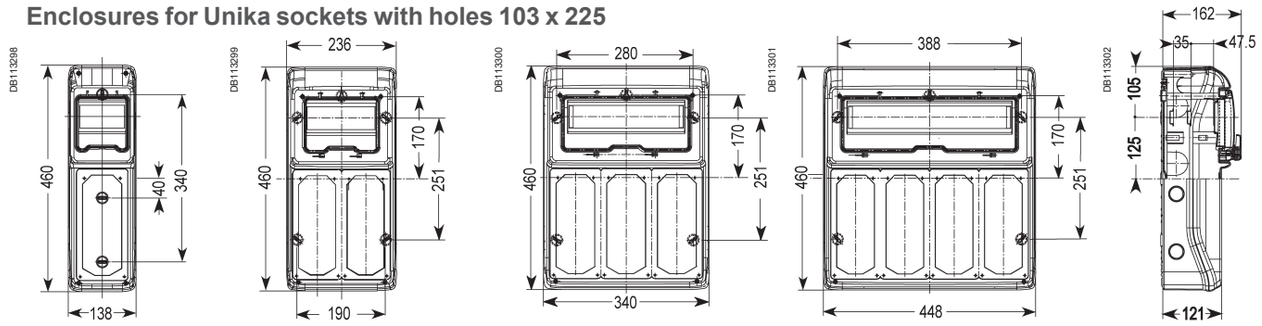
Mini enclosures for PratiKa sockets with holes 65 x 85



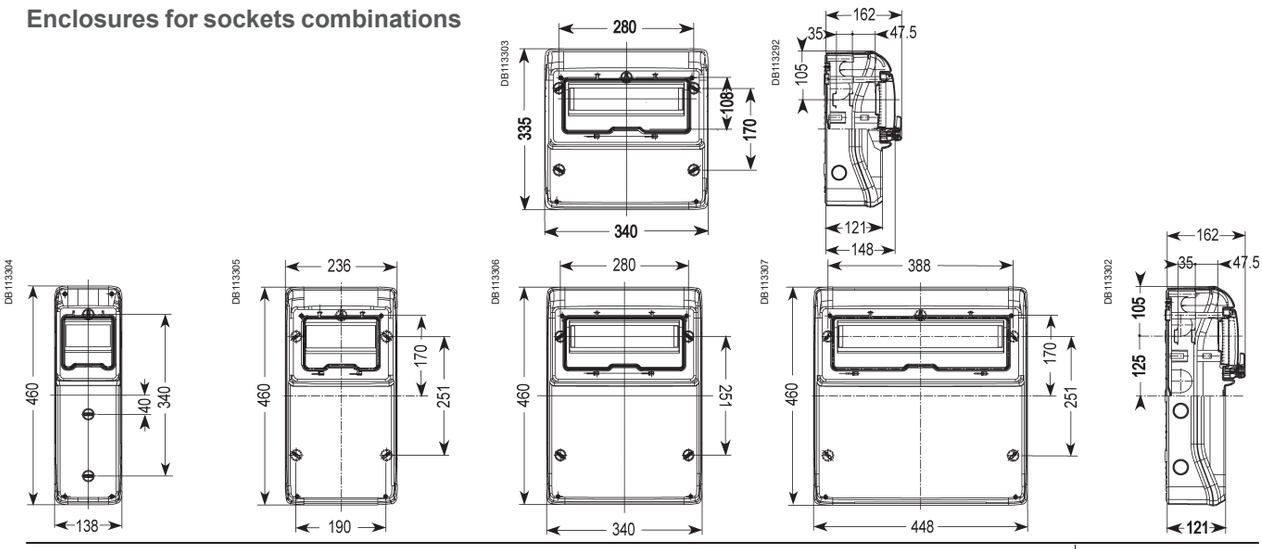
Enclosures for PratiKa sockets with holes 90 x 100



Enclosures for Unika sockets with holes 103 x 225



Enclosures for sockets combinations



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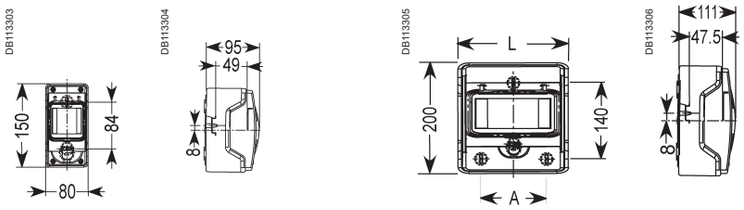
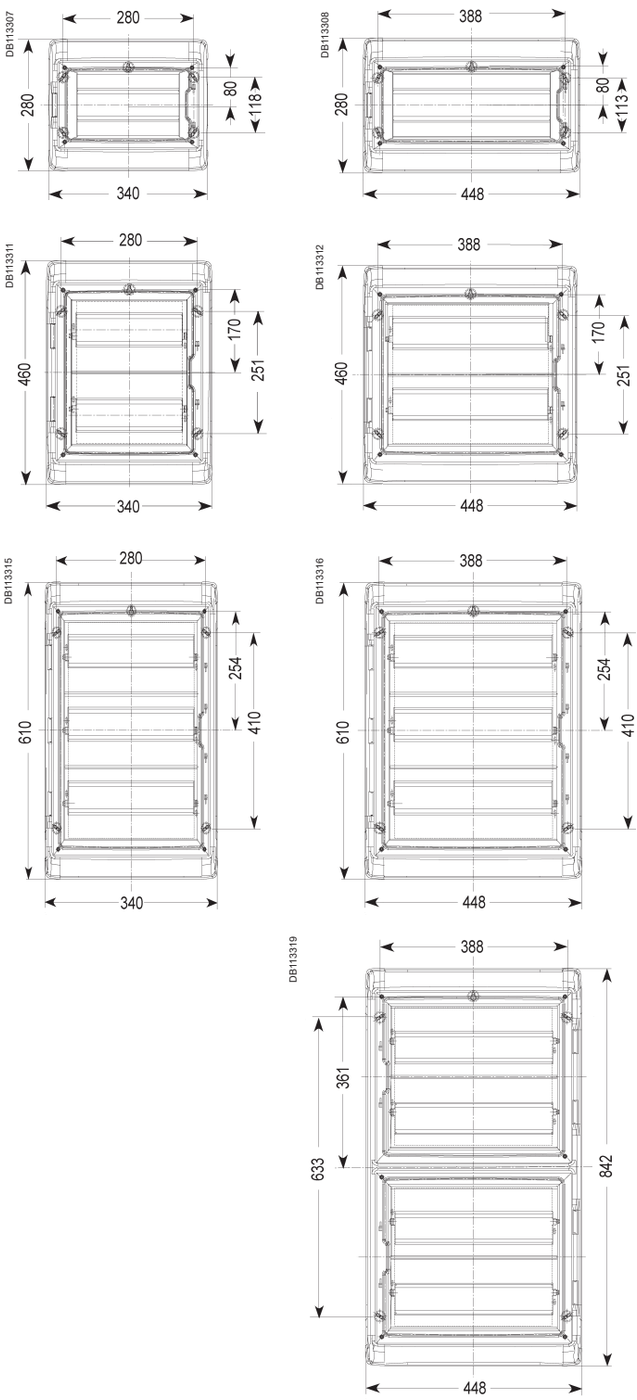
Kaedra System
Enclosures for modular devices

Mini enclosures for modular devices

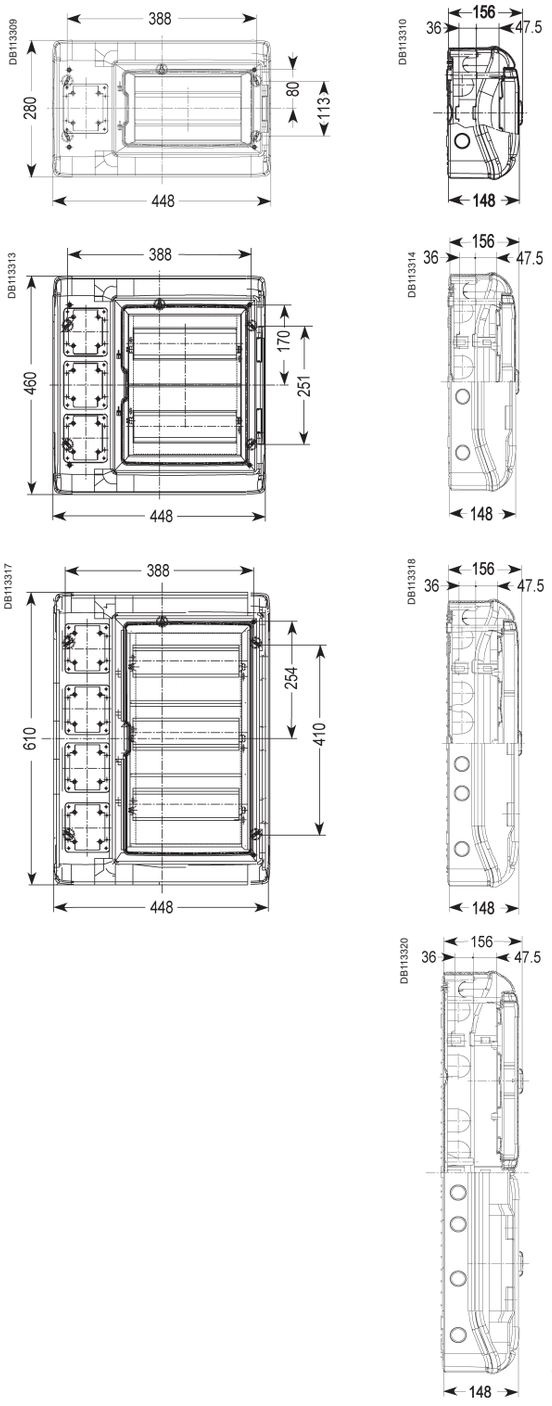


Modules	A	L
4	–	123
6	–	159
8	88	195
12	160	267

Enclosures for modular devices



With interface



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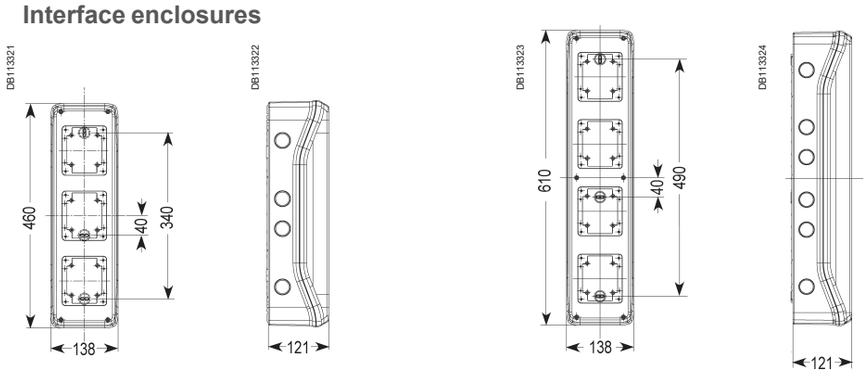
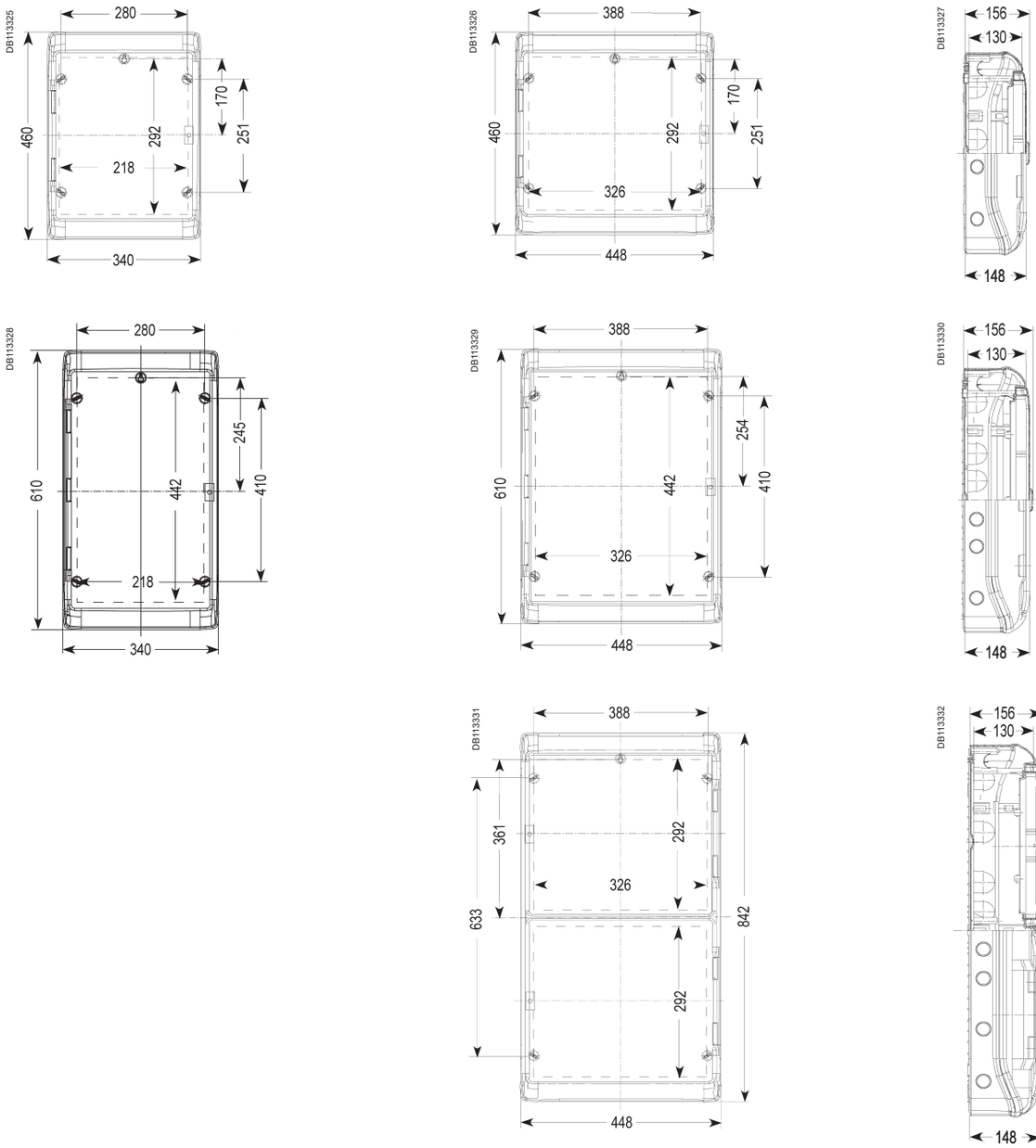
Kaedra System

Interface enclosures / Universal enclosures

Interface enclosures



Universal enclosures



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