CATALOG

TruONE® ATS

Automatic Transfer Switches



- Easy to install
- Safety and protection
- Optimum interface

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Introducing TruONE® ATS from ABB
A critical breakthrough for critical power

The all-new TruONE® is the world's first true purpose-built automatic transfer switch, engineered to incorporate switch and controller in one seamless unit.

Performance tested beyond standard requirements, TruONE® stands ready to ensure the steady delivery of critical power at all times. Its self-contained design reduces the number of wires and connections, which speeds installation and minimizes the potential for connection failures to ensure best-in-class reliability. Its predictive maintenance and modular components reduce downtime and service costs. And its advanced connectivity is ready for the future. In addition, unlike typical ATS solutions, TruONE® allows emergency manual operation under load for immediate power restoration in the event of an equipment malfunction.

TruONE® represents a major shift in engineering and a critical breakthrough for critical power.



—
ABB Wins,
Global New Product
Innovation Award


ABB
S1
S2
LOAD
AUTO
59 s
11:06
System overview
S1 OK
OK S2
S1 connected to load
Load current
393.0 A
Generator stop delay
TruONE
I ON
II ON
AUTO
LOAD
LOAD
A L1
B L2
SOURCE
S1 S2
SOURCE
S1 S2

The one ATS with all these advantages

—
01 Detachable HMI. Three levels of control to meet different customer requirements.
—
02 All-in-one concept that brings easy and fast installation.



Easy to Install
Reduces installation time by up to 80%.

Why waste time piecing together an ATS from multiple components and as many as 20 connection wires, not to mention the time spent testing? TruONE® is the first automatic transfer switch to put it all together, including the controller with detachable HMI. It can be installed with a single wire using standard enclosures.



Safety and protection
Reduces risk of operator injury.

TruONE® enables emergency manual operation — even under load — without opening the panel door when the HMI is mounted to the ATS frame. The HMI can be detached from the frame for door mounting, offering more flexibility for the panel designer. Best of all, regardless of the HMI installation method, there's no need for connecting dangerous line voltages to the door, so the risk of operator injury due to equipment malfunction is reduced.



—
Learn more about ABB Ability™ Energy and Asset Manager



Optimum interface
Simplifies connectivity.

TruONE® features cloud-based connectivity through the ABB Ability™ Energy and Asset Manager. ABB Ability simplifies implementation and use of TruONE® in coordination with other ABB devices, ensuring one common user interface and one common software environment. Market-leading modular connectivity with seven communication protocols ensures easy installation and connectivity now and far into the future.


ABB
S1
S2
LOAD
AUTO
59 s
System overview
S1
OK

02


ABB
S1
S2
LOAD
AUTO
AUTO
LOAD
LOAD
LOAD
LOAD
A
L1
B
L2
C
L3
N
SOURCE
SOURCE
SOURCE
SOURCE

Even more advantages



Speed Up Your Project
Now you can speed up your project even more, thanks to TruONE® automatic commissioning capabilities. Pre-made configuration files can be uploaded from your PC to TruONE®, minimizing the risk of human error and reducing programming time by 80%.



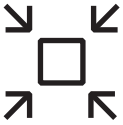
Continuous Operation
TruONE® features predictive maintenance, self-diagnostics and customer-replaceable critical modules to simplify service and significantly reduce downtime and service costs. Say goodbye to blinking lights and stopping motors. TruONE® provides a fast in-phase open transition of power, ensuring unnoticed generator use during business hours.



Energy Efficiency
Full compatibility with ABB Ability™ Energy and Asset Manager allows data processing from the site's electrical equipment to deliver analysis and make recommendations for optimizing the electrical system's performance. This allows remote monitoring of plants, energy consumption and costs at a glance, making implementation of energy management strategies easier and faster.



Optimized Logistics
TruONE® features a wide voltage range from 200 to 480 VAC (with +/-20% tolerance), reducing the need to stock multiple SKUs, reducing inventory and saving space in the warehouse.



Space Saving
TruONE® features plug-in factory and field-mount accessorizing, so you don't need extra space inside the panel. Even in the case of specialized customer needs, you can use standard cabinets.

Reliable in extreme conditions

You can be sure TruONE® exceeds standard requirements for performance and reliability to bring you dependable operation in even the most challenging electrical, mechanical and environmental conditions.

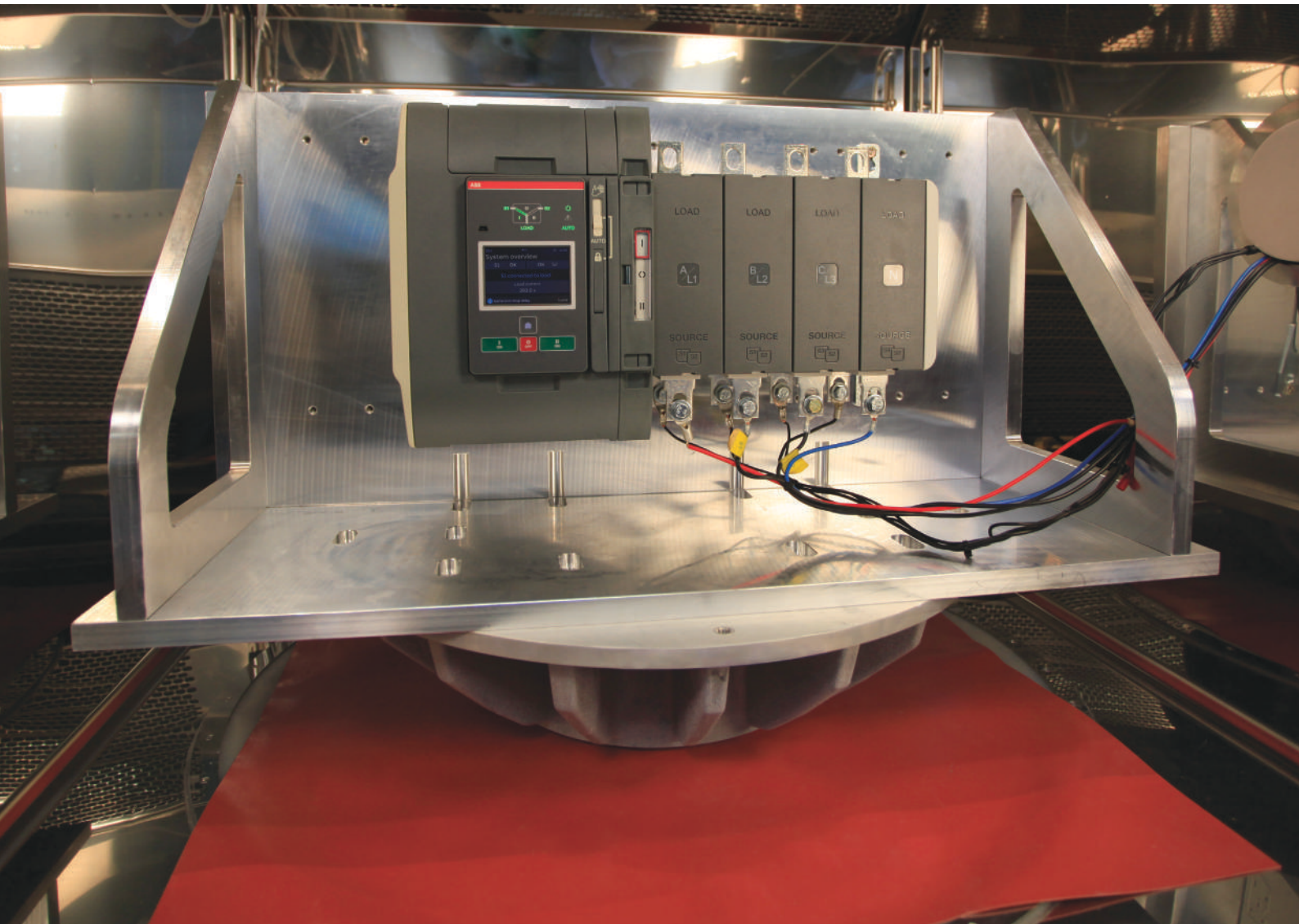


TruONE is the only ATS to guarantee safe and reliable operation during dramatic variations in voltage (200–480 VAC with +/-20% tolerance) and it is tolerant of variations of temperature (-25–+70°C), vibrations (IEC 60068-2-3) and shocks (IEC 60068-2-27). TruONE® also has true short-circuit resilience, able to take the hit and remain fully operational after exposure to even the most dangerous phenomena

Site conditions can change due to unexpected situations, but the performance of TruONE® does not.

01

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Testing for vibrations, shocks and a wide temperature range.

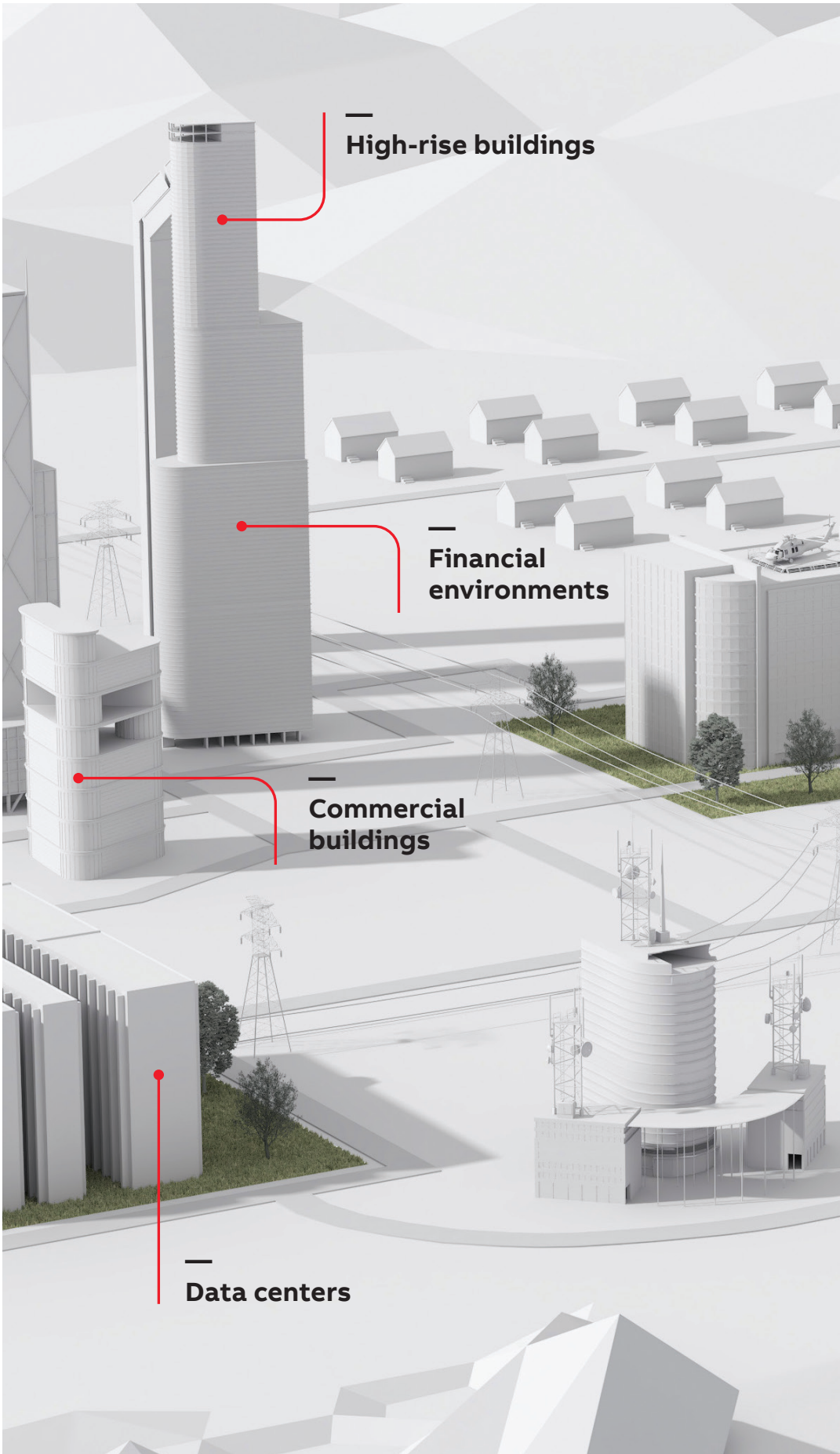


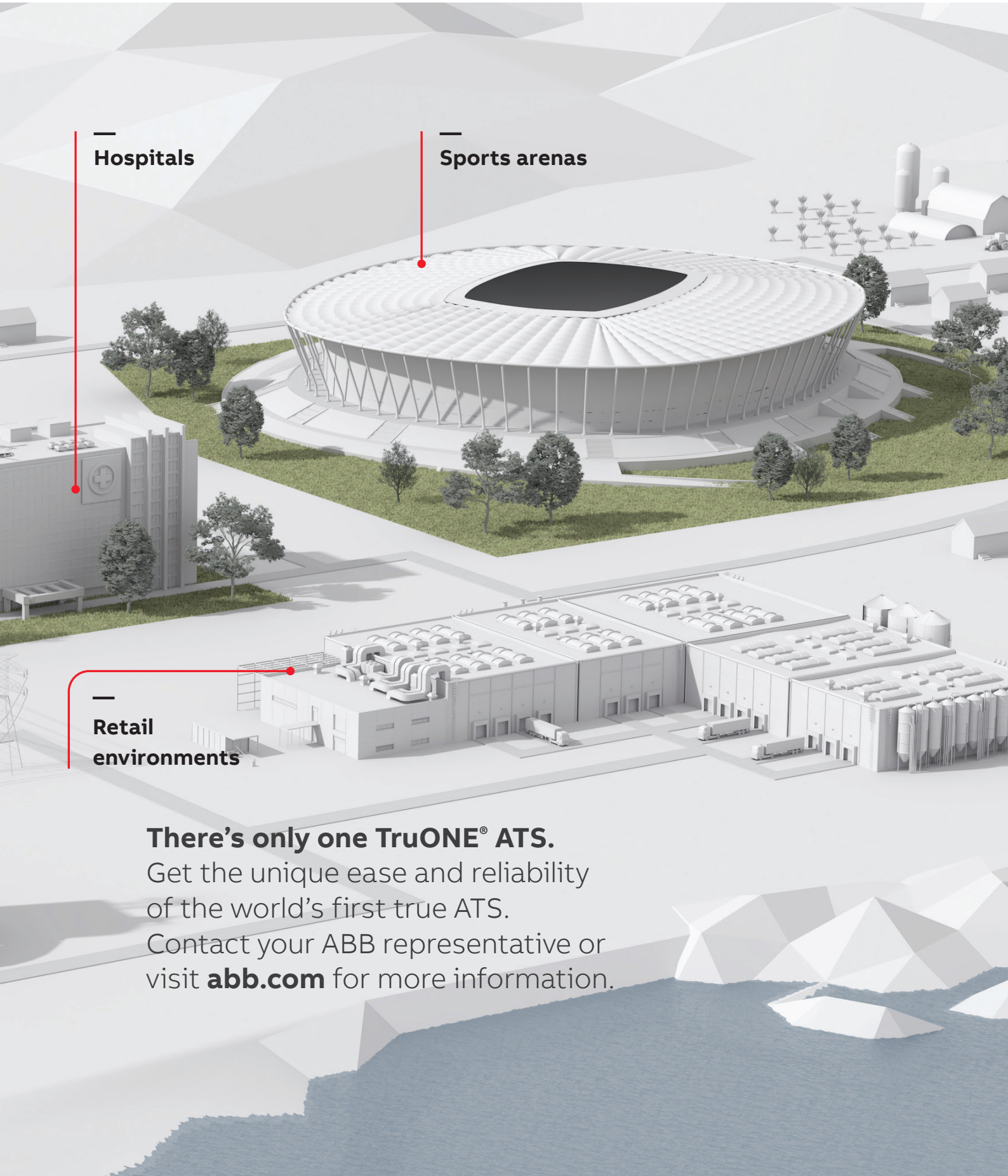
The one ATS for all applications

Bring the highest level of convenience, efficiency and critical power security to your product, project or facility.

TruONE® is the superior solution for:
- Genset OEMs
- Panel builders
- Consultants and engineers
- Contractors
- Facilities managers

TruONE® provides superior critical power security for:
- Hospitals
- Sports arenas
- Retail environments
- High-rise buildings
- Commercial buildings
- Financial environments
- Data centers
- And more

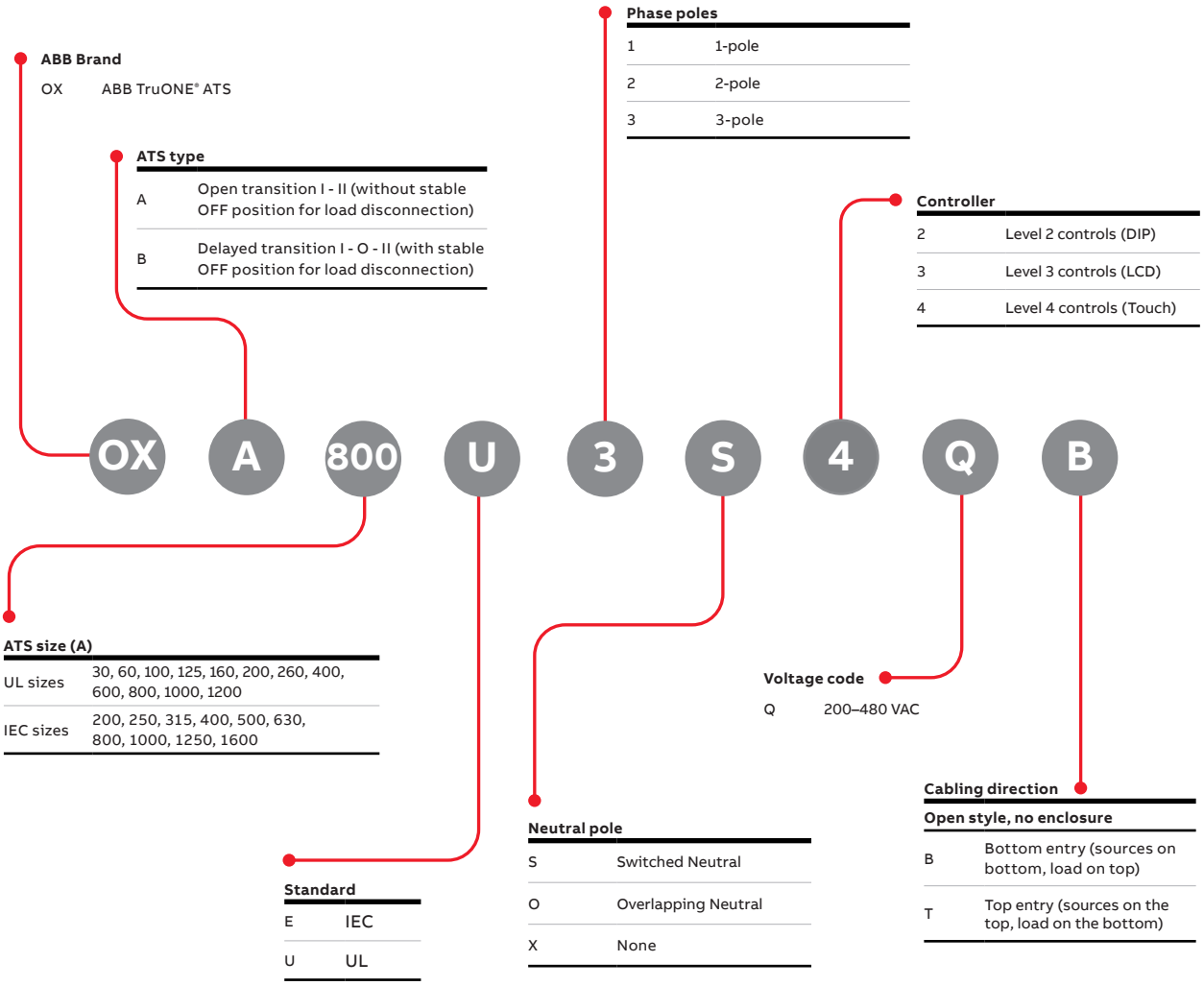




There's only one TruONE® ATS.
Get the unique ease and reliability of the world's first true ATS. Contact your ABB representative or visit **abb.com** for more information.

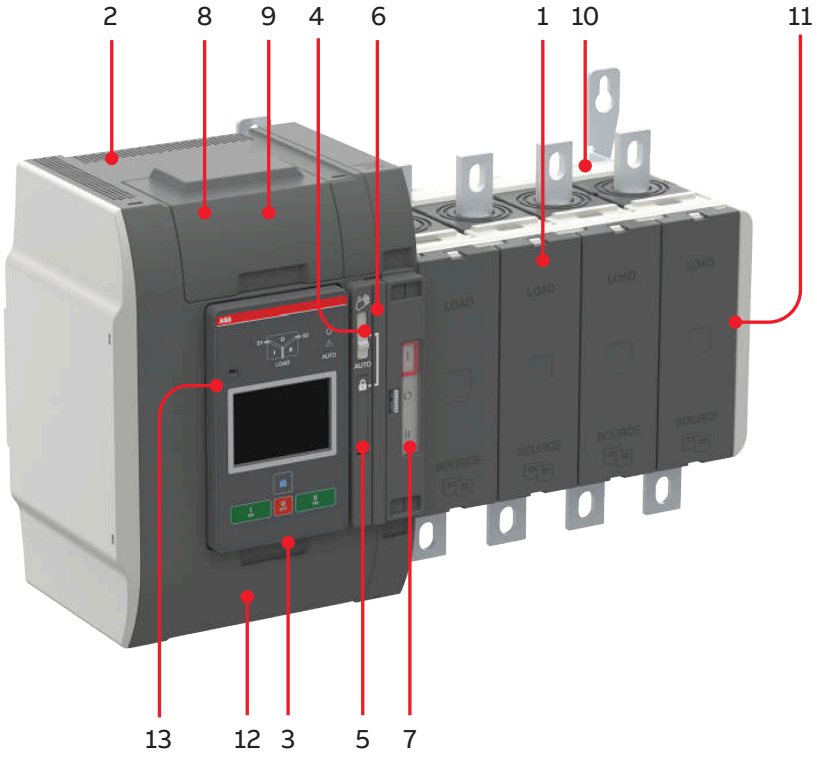
TruONE® part number key

An example and product description: ABB TruONE® automatic transfer switch, open transition, 800 amperes, UL, 3 phase + Neutral (3ph, 4 wire), Level 4 controls, 200–480 VAC voltage area, bottom entry (sources on bottom, load on top).



Note: For available configurations, see the ordering information pages.

TruONE® general overview



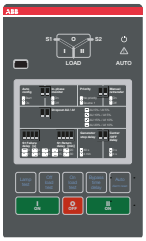
1. Automatic transfer switch
2. Embedded ATS control unit and solenoid operating mechanism
3. Detachable HMI unit, three types of control interfaces Level 2 (DIP), Level 3 (LCD) and Level 4 (Touch)
4. Slide switch (Hand - Locking - AUTO) for selection of the operation mode
5. Padlocking the automatic transfer switch to prevent automatic and manual operation
6. Handle for manual operation
7. Position indication
8. Terminals for control circuit connections (behind the cover)
9. Place for connectivity modules (aux power supply, communication and signaling)
10. Place for sensor module (included as standard with Level 4 controls)
11. Place for auxiliary contact block
12. Location of product identification label
13. Programming port, only for Ekip Programming module and Ekip Connect software


TISSOT ARENA

TruONE® feature comparison

Virtual HMI - Level 2 controls

Virtual HMI - Level 4 controls







	Level 2 controls	Level 3 controls	Level 4 controls
Ampere sizes available	IEC: 200-1600 A	IEC: 200-1600 A	IEC: 200-1600 A
	UL: 30-1200 A	UL: 30-1200 A	UL: 30-1200 A
Rated voltage, three phase	200-480Vac	200-480Vac	200-480Vac
Rated voltage, single phase	200-240Vac	200-240Vac	200-240vac
Rated frequency	50 / 60 Hz	50 / 60 Hz	50 / 60 Hz
Phase system	Single and Three	Single and Three	Single and Three
Number of poles	2, 3 and 4	2, 3 and 4	3 and 4
Neutral configuration			
Switched	Yes	Yes	Yes
Overlapping	No	Yes	Yes
Product type			
Open transition (I-II)	Yes	Yes	Yes
Delayed transition (I-O-II)	Yes	Yes	Yes
Voltage and frequency settings			
Pick up Voltage Source 1	Fixed 2% above drop out	71-99%, 101-119%	71-99%, 101-119%
Drop out Voltage Source 1	+/-5, 10, 15, 20%	70-98%, 102-120%	70-98%, 102-120%
Pick up Voltage Source 2	Fixed 2% above drop out	71-99%, 101-119%	71-99%, 101-119%
Drop out Voltage Source 2	+/-5, 10, 15, 20%	70-98%, 102-120%	70-98%, 102-120%
Pick up Frequency Source 1	Fixed 1% above drop out	80.5-99.5%, 100.5-119.5%	80.5-99.5%, 100.5-119.5%
Drop out Frequency Source 1	+/-5, 10 %	80-99%, 101-120%	80-99%, 101-120%
Pick up Frequency Source 2	Fixed 1% above drop out	80.5-99.5%, 100.5-119,5%	80.5-99.5%, 100.5-119.5%
Drop out Frequency Source 2	+/-5, 10 %	80-99%, 101-120%	80-99%, 101-120%
Time delay settings			
Override momentary Source 1 Outage, sec	0, 1, 2, 3, 4, 5, 10, 15, 20, 30	0-60	0-60
Transfer from Source 1 to Source 2, sec	2 (0-3600 via Ekip Connect)	0-3600	0-3600
Override momentary Source 2 Outage, sec	2 (0-60 via Ekip Connect)	0-60	0-60
Transfer from Source 2 to Source 1, min	0, 1, 2, 3, 4, 5, 10, 15, 20, 30	0-120	0-120
Generator stop delay, min	30 secs or 4 mins	0-60	0-60
Center-OFF delay, sec	0 or 4	0-300	0-300
Pre-transfer delay S1 to S2, sec	No	0-300	0-300
Post-transfer delay S1 to S2 , sec	No	0-300	0-300
Pre-transfer delay S2 to S1, sec	No	0-300	0-300
Post-transfer delay S2 to S1, sec	No	0-300	0-300
Elevator Pre-signal delay S1 to S2, sec	No	0-60	0-60
Elevator Post-signal delay S1 to S2, sec	No	0-60	0-60
Elevator Pre-signal delay S2 to S1, sec	No	0-60	0-60
Elevator Post-signal delay S2 to S1, sec	No	0-60	0-60
Load shed delay, sec	No	0-60	0-60

TruONE® feature comparison

Consult ABB for more information







	Level 2 controls	Level 3 controls	Level 4 controls
Source failure detections			
No voltage	Yes	Yes	Yes
Undervoltage	Yes	Yes	Yes
Overvoltage	Yes	Yes	Yes
Phase missing	Yes	Yes	Yes
Voltage unbalance	Yes	Yes	Yes
Invalid frequency	Yes	Yes	Yes
Incorrect phase sequence	Yes	Yes	Yes
Features			
Controls	DIP + keys	LCD + keys	Touch + keys
LED indications for ATS, S1 and S2 status	Yes	Yes	Yes
Open transition - Standard digital inputs/outputs	0 / 1	1 / 1	2 / 1
Delayed transition - Standard digital inputs/outputs	1 / 1	2 / 1	3 / 1
Programmable digital inputs/outputs	No	Yes	Yes
Auto config (voltage, frequency, phase system)	Yes	Yes	Yes
Source priority	Source 1, No priority	Source 1/2, No priority	Source 1/2, No priority
Manual retransfer	Yes	Yes	Yes
In-phase monitor (synchro check)	Yes	Yes	Yes
Local genset exercising: on-load, off-load	via HMI	via HMI, digital inputs	via HMI, digital inputs
Scheduled genset exercising: on-load, off-load	via Ekip Connect	via HMI, Ekip Connect	via HMI, Ekip Connect
In-built power meter module	No	No	Yes
Load shedding	No	Yes	Yes
Real time clock (48h back-up after power outage)	via Ekip Connect	via HMI, Ekip Connect	via HMI, Ekip Connect
Event log	via Ekip Connect	via HMI, Ekip Connect	via HMI, Ekip Connect
Predictive maintenance	No	No	Yes
Harmonics measuring	No	Voltage	Voltage, current
Field-mount accessories			
Auxiliary contacts for position indication	Yes	Yes	Yes
Digital input/output modules	No	Yes	Yes
12-24 Vdc aux supply module for controller	No	Yes	Yes
Communication modules	No	Yes	Yes
Connectivity			
Modbus RTU (RS-485)	No	Yes	Yes
Modbus/TCP	No	Yes	Yes
Profibus DP	No	Yes	Yes
ProfiNet	No	Yes	Yes
DeviceNet	No	Yes	Yes
Ethernet IP	No	Yes	Yes
Ekip Com Hub (monitoring via ABB Ability™: Energy and Asset Manager)	No	Yes	Yes
For applications			
Mains - Mains	Yes	Yes	Yes
Mains - Generator[1)]	Yes	Yes	Yes

[1)] Contact ABB for applications with smaller than 20 kVA gensets

Description of basic functionality

Operation of time delays and corresponding relay output signals

Example for SOURCE 1 Priority
SOURCE 2 = Generator

Switching sequence summary:

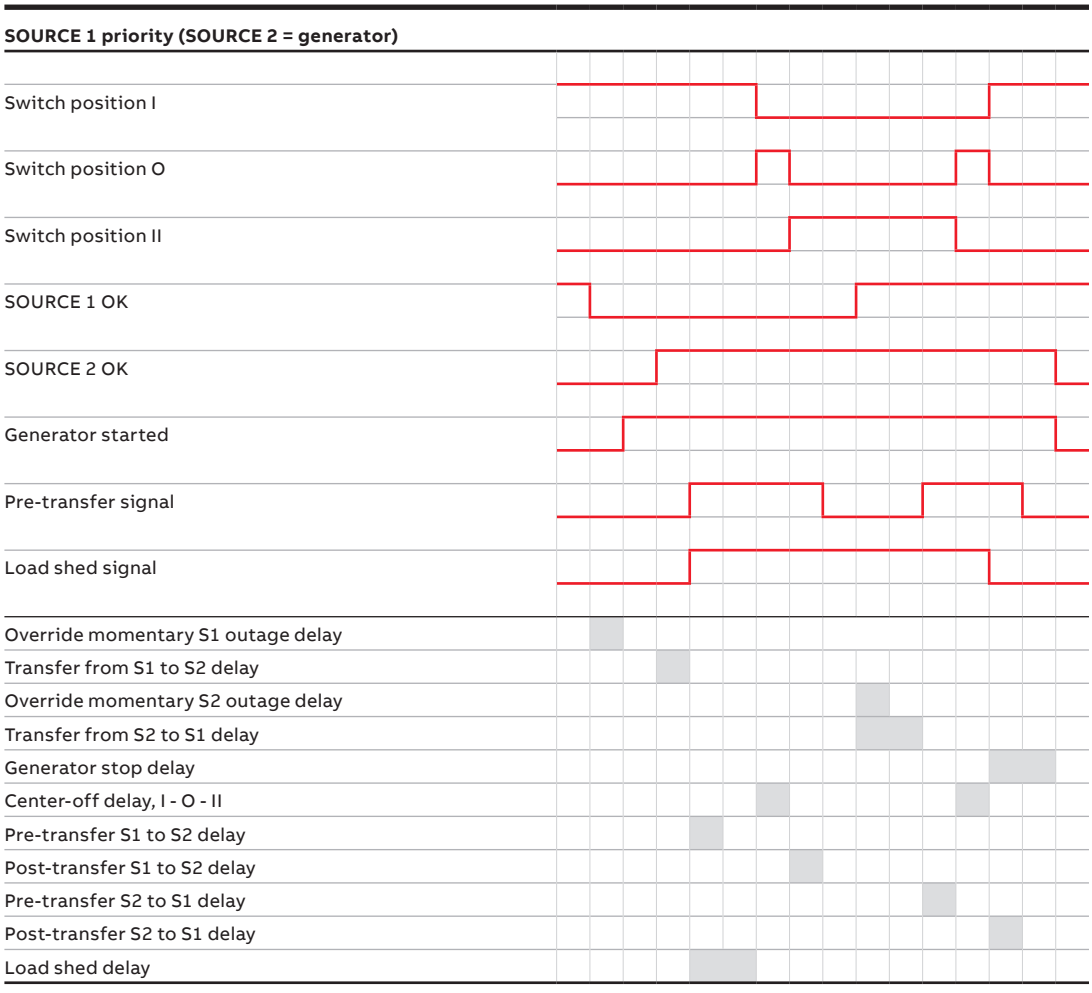
- An anomaly occurs on the SOURCE 1
- Override momentary S1 outage delay
- Generator start
- SOURCE 2 OK
- Transfer from S1 to S2 delay
- Pre-transfer signal on
- Load shed signal on
- Pre-transfer S1 to S2 delay
- Load shed delay
- Transfer switch to the position O (only with delayed transition I-O-II type and at least one phase exists in SOURCE 1)
- Center-Off delay (only with delayed transition I-O-II type, delay is zero when all phases are missing in SOURCE 1)
- Transfer switch to the position II (SOURCE 2)
- Post-transfer S1 to S2 delay
- Pre-transfer signal off

Retransfer sequence summary:

- The SOURCE 1 is restored
- Transfer from S2 to S1 delay
- Pre-transfer signal on
- Pre-transfer S2 to S1 delay
- Transfer switch to the position O (only with delayed transition I-O-II type)
- Center-off delay
  (only with Delayed transition I - O - II type)
- Transfer switch to the position I (SOURCE 1)
- Load shed signal off
- Generator stop delay
- Post-transfer S2 to S1 delay
- Pre-transfer signal off
- Generator stop
- SOURCE 2 off

Video: Transfer from primary to backup power

Video: Transfer from backup to primary source after power is restored



Description of basic functionality

Operation of time delays and corresponding relay output signals

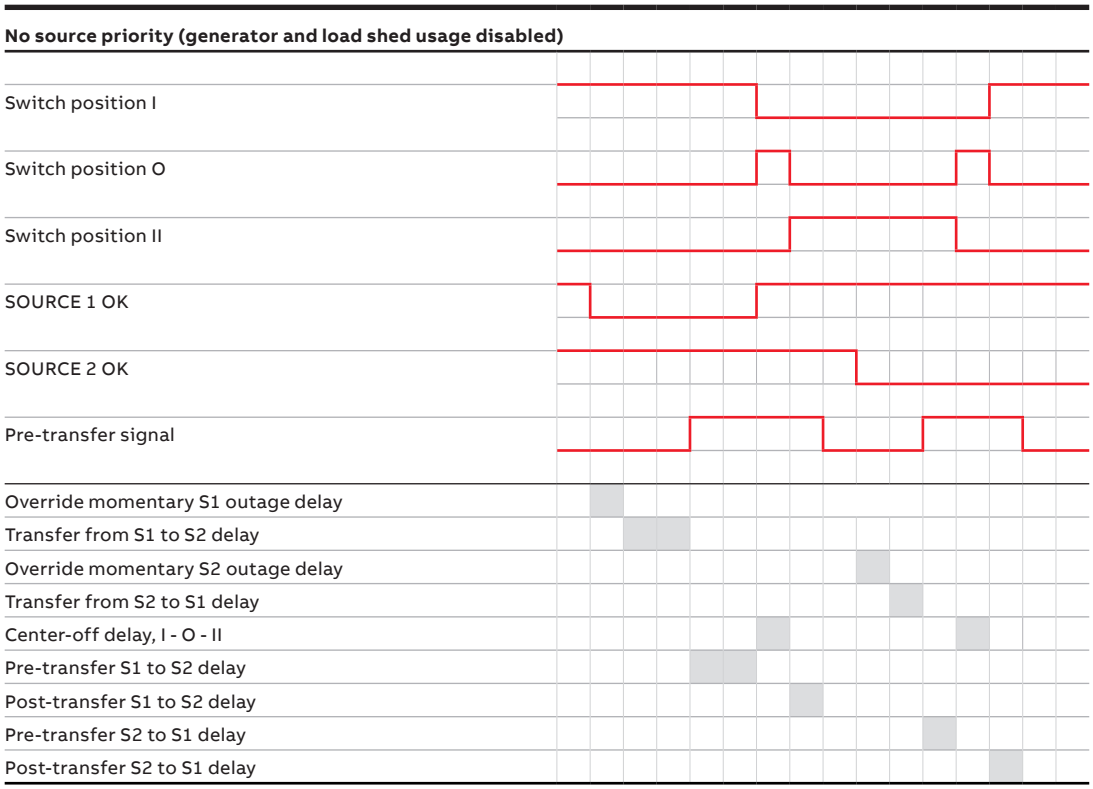
Example for Mains - Mains, No Source Priority

Switching to available source:

- An anomaly occurs on the SOURCE 1
- Override momentary S1 outage delay
- Transfer from S1 to S2 delay
- Pre-transfer signal on
- Pre-transfer S1 to S2 delay
- Transfer switch to the position O (only with delayed transition I-O-II type and at least one phase exists in SOURCE 1)
- Center-Off delay (only with delayed transition I-O-II type, delay is zero when all phases are missing in SOURCE 1)
- Transfer switch to the position II (SOURCE 2)
- Post-transfer S1 to S2 delay
- Pre-transfer signal off

Retransfer steps following anomaly in the source functioning:

- The SOURCE 1 is restored
- An anomaly occurs on the SOURCE 2
- Override momentary S2 outage delay
- Transfer from S2 to S1 delay
- Pre-transfer signal on
- Pre-transfer S2 to S1 delay
- Transfer switch to the position O (only with delayed transition I-O-II type and at least one phase exists in SOURCE 2)
- Center-Off delay (only with delayed transition I-O-II type, delay is zero when all phases are missing in SOURCE 2)
- Transfer switch to the position I (SOURCE 1)
- Post-transfer S2 to S1 delay
- Pre-transfer signal off



Note: The functionality and sequence of 'Elevator pre- and post-signals' is equivalent to 'Pre- and Post-transfer' features.



Automatic transfer switches – IEC

Open style – Level 2	
21	Cabling - bottom entry
22	Cabling - top entry
Open style – Level 3	
23	Cabling - bottom entry
24	Cabling - top entry
Open style – Level 4	
25	Cabling - bottom entry
26	Cabling - top entry

Ordering Information

Automatic transfer switches - IEC



OXB200..250E1S2QB



OXB500...800E1S2QB



OXB315...400E1S2QB



OXB315...400E3X2QB



OXB200...250E3X2QB



OXB500...800E3X3QB



OXB1000...1600E3X2QB



OXB315...400E3S2QB



OXB200...250E3S2QB



OXB1000...1600E3S2QB

Delayed transition – Open style, Level 2 DIP controls

I-O-II –operation with stable OFF position between positions I and II.
Delivery includes handle for manual operation, 2 m RJ45 connection cable between detachable HMI and ATS frame.
Terminal connection kits (bolts, nuts and washers) available as accessory.

Bottom entry - Source 1 and Source 2 connections on bottom, load connections on top

No. of poles	Rated current [A]	Type	Order number	Weight/unit kg
2	200	OXB200E1S2QB	1SCA153423R1001	13.06
2	250	OXB250E1S2QB	1SCA153452R1001	13.06
2	315	OXB315E1S2QB	1SCA153497R1001	14.04
2	400	OXB400E1S2QB	1SCA153511R1001	14.04
2	500	OXB500E1S2QB	1SCA151023R1001	17.58
2	630	OXB630E1S2QB	1SCA151049R1001	17.58
2	800	OXB800E1S2QB	1SCA150929R1001	17.58
3	200	OXB200E3X2QB	1SCA153433R1001	14.65
3	250	OXB250E3X2QB	1SCA153459R1001	14.65
3	315	OXB315E3X2QB	1SCA153506R1001	16.12
3	400	OXB400E3X2QB	1SCA152049R1001	16.12
3	500	OXB500E3X2QB	1SCA151027R1001	19.92
3	630	OXB630E3X2QB	1SCA151062R1001	19.92
3	800	OXB800E3X2QB	1SCA149960R1001	19.92
3	1000	OXB1000E3X2QB	1SCA152411R1001	44.14
3	1250	OXB1250E3X2QB	1SCA153616R1001	44.14
3	1600	OXB1600E3X2QB	1SCA153625R1001	44.14
4	200	OXB200E3S2QB	1SCA153427R1001	16.24
4	250	OXB250E3S2QB	1SCA153456R1001	16.24
4	315	OXB315E3S2QB	1SCA153501R1001	18.32
4	400	OXB400E3S2QB	1SCA153515R1001	18.32
4	500	OXB500E3S2QB	1SCA151025R1001	22.20
4	630	OXB630E3S2QB	1SCA151054R1001	22.20
4	800	OXB800E3S2QB	1SCA150934R1001	22.20
4	1000	OXB1000E3S2QB	1SCA153577R1001	57.08
4	1250	OXB1250E3S2QB	1SCA153610R1001	57.08
4	1600	OXB1600E3S2QB	1SCA153622R1001	57.08

Ordering Information

Automatic transfer switches - IEC



OXB200...250E1S2QT





OXB315...400E1S2QT

OXB200...250E3X2QT





OXB315...400E3X2QT

OXB500...800E1S2QT





OXB1000...1600E3X2QT

OXB200...250E3S2QT



OXB500...800E3S2QT



OXB315...400E3S2QT



OXB1000...1600E3S2QT

Delayed transition – Open style, Level 2 DIP controls

I-O-II –operation with stable OFF position between positions I and II.
Delivery includes handle for manual operation, 2 m RJ45 connection cable between detachable HMI and ATS frame.
Terminal connection kits (bolts, nuts and washers) available as accessory.

Top entry - Source 1 and Source 2 connections on top, load connections on bottom

No. of poles	Rated current [A]	Type	Order number	Weight/unit kg
2	200	OXB200E1S2QT	1SCA153424R1001	13.09
2	250	OXB250E1S2QT	1SCA153453R1001	13.09
2	315	OXB315E1S2QT	1SCA153498R1001	14.07
2	400	OXB400E1S2QT	1SCA153512R1001	14.07
2	500	OXB500E1S2QT	1SCA151024R1001	17.61
2	630	OXB630E1S2QT	1SCA151050R1001	17.61
2	800	OXB800E1S2QT	1SCA150930R1001	17.61
3	200	OXB200E3X2QT	1SCA153434R1001	14.68
3	250	OXB250E3X2QT	1SCA153460R1001	14.68
3	315	OXB315E3X2QT	1SCA153507R1001	16.15
3	400	OXB400E3X2QT	1SCA153520R1001	16.15
3	500	OXB500E3X2QT	1SCA151028R1001	19.95
3	630	OXB630E3X2QT	1SCA149957R1001	19.95
3	800	OXB800E3X2QT	1SCA150940R1001	19.95
3	1000	OXB1000E3X2QT	1SCA153582R1001	44.17
3	1250	OXB1250E3X2QT	1SCA153617R1001	44.17
3	1600	OXB1600E3X2QT	1SCA153626R1001	44.17
4	200	OXB200E3S2QT	1SCA153428R1001	16.27
4	250	OXB250E3S2QT	1SCA153457R1001	16.27
4	315	OXB315E3S2QT	1SCA153502R1001	18.35
4	400	OXB400E3S2QT	1SCA153516R1001	18.35
4	500	OXB500E3S2QT	1SCA151026R1001	22.23
4	630	OXB630E3S2QT	1SCA151055R1001	22.23
4	800	OXB800E3S2QT	1SCA150935R1001	22.23
4	1000	OXB1000E3S2QT	1SCA153578R1001	57.11
4	1250	OXB1250E3S2QT	1SCA153611R1001	57.11
4	1600	OXB1600E3S2QT	1SCA153623R1001	57.11

Ordering Information

Automatic transfer switches - IEC



OXB200...250E1S3QB





OXB315...400E1S3QB

OXB500...800E1S3QB





OXB200...250E3X3QB

OXB315...400E3X3QB





OXB500...800E3X3QB

OXB1000...1600E3X3QT



OXB200...250E3S3QB



OXB315...400E3S3QB



OXB500...800E3S2QT



OXB1000...1600E3S3QT

Delayed transition – Open style, Level 3 LCD controls

I-O-II –operation with stable OFF position between positions I and II.
Delivery includes handle for manual operation, 2 m RJ45 connection cable between detachable HMI and ATS frame.
Terminal connection kits (bolts, nuts and washers) available as accessory.

Bottom entry - Source 1 and Source 2 connections on bottom, load connections on top

No. of poles	Rated current [A]	Type	Order number	Weight/unit kg
2	200	OXB200E1S3QB	1SCA153425R1001	13.06
2	250	OXB250E1S3QB	1SCA153454R1001	13.06
2	315	OXB315E1S3QB	1SCA153499R1001	14.04
2	400	OXB400E1S3QB	1SCA153513R1001	14.04
2	500	OXB500E1S3QB	1SCA151739R1001	17.58
2	630	OXB630E1S3QB	1SCA151052R1001	17.58
2	800	OXB800E1S3QB	1SCA150932R1001	17.58
3	200	OXB200E3X3QB	1SCA152042R1001	14.65
3	250	OXB250E3X3QB	1SCA153461R1001	14.65
3	315	OXB315E3X3QB	1SCA153508R1001	16.12
3	400	OXB400E3X3QB	1SCA153521R1001	16.12
3	500	OXB500E3X3QB	1SCA151744R1001	19.92
3	630	OXB630E3X3QB	1SCA151064R1001	19.92
3	800	OXB800E3X3QB	1SCA150942R1001	19.92
3	1000	OXB1000E3X3QB	1SCA153583R1001	44.14
3	1250	OXB1250E3X3QB	1SCA153618R1001	44.14
3	1600	OXB1600E3X3QB	1SCA153627R1001	44.14
4	200	OXB200E3S3QB	1SCA153429R1001	16.24
4	250	OXB250E3S3QB	1SCA152435R1001	16.24
4	315	OXB315E3S3QB	1SCA152046R1001	18.32
4	400	OXB400E3S3QB	1SCA153517R1001	18.32
4	500	OXB500E3S3QB	1SCA151741R1001	22.20
4	630	OXB630E3S3QB	1SCA151057R1001	22.20
4	800	OXB800E3S3QB	1SCA149958R1001	22.20
4	1000	OXB1000E3S3QB	1SCA153579R1001	57.08
4	1250	OXB1250E3S3QB	1SCA153612R1001	57.08
4	1600	OXB1600E3S3QB	1SCA152412R1001	57.08

Ordering Information

Automatic transfer switches - IEC



OXB200...250E1S3QT





OXB315...400E1S3QT

OXB500...800E1S3QT





OXB200...250E3X3QT

OXB315...400E3X3QT





OXB500...800E3X3QT

OXB1000...1600E3X3QT





OXB200...250E3S3QT

OXB315...400E3S3QT



OXB500...800E3S3QT



OXB1000...1600E3S3QT

Delayed transition – Open style, Level 3 LCD controls

I-O-II –operation with stable OFF position between positions I and II.
Delivery includes handle for manual operation, 2 m RJ45 connection cable between detachable HMI and ATS frame.
Terminal connection kits (bolts, nuts and washers) available as accessory.

Top entry - Source 1 and Source 2 connections on top, load connections on bottom

No. of poles	Rated current [A]	Type	Order number	Weight/unit kg
2	200	OXB200E1S3QT	1SCA153426R1001	13.09
2	250	OXB250E1S3QT	1SCA153455R1001	13.09
2	315	OXB315E1S3QT	1SCA153500R1001	14.07
2	400	OXB400E1S3QT	1SCA153514R1001	14.07
2	500	OXB500E1S3QT	1SCA151740R1001	17.61
2	630	OXB630E1S3QT	1SCA151053R1001	17.61
2	800	OXB800E1S3QT	1SCA150933R1001	17.61
3	200	OXB200E3X3QT	1SCA153435R1001	14.65
3	250	OXB250E3X3QT	1SCA153462R1001	14.68
3	315	OXB315E3X3QT	1SCA153509R1001	16.15
3	400	OXB400E3X3QT	1SCA153522R1001	16.15
3	500	OXB500E3X3QT	1SCA151745R1001	19.95
3	630	OXB630E3X3QT	1SCA151065R1001	19.95
3	800	OXB800E3X3QT	1SCA150943R1001	19.95
3	1000	OXB1000E3X3QT	1SCA151492R1001	44.17
3	1250	OXB1250E3X3QT	1SCA153619R1001	44.17
3	1600	OXB1600E3X3QT	1SCA153628R1001	44.17
4	200	OXB200E3S3QT	1SCA153430R1001	16.27
4	250	OXB250E3S3QT	1SCA153458R1001	16.27
4	315	OXB315E3S3QT	1SCA153503R1001	18.35
4	400	OXB400E3S3QT	1SCA153518R1001	18.35
4	500	OXB500E3S3QT	1SCA151742R1001	22.23
4	630	OXB630E3S3QT	1SCA151058R1001	22.23
4	800	OXB800E3S3QT	1SCA150937R1001	22.23
4	1000	OXB1000E3S3QT	1SCA153580R1001	57.11
4	1250	OXB1250E3S3QT	1SCA153613R1001	57.11
4	1600	OXB1600E3S3QT	1SCA153624R1001	57.11

Ordering Information

Automatic transfer switches - IEC



OXB200...250E3X4QB



OXB315...400E3X4QB



OXB500...800E3X4QB



OXB1000...1600E3X4QB



OXB200...250E3S4QB



OXB315...400E3S4QB



OXB500...800E3S4QB



OXB1000...1600E3S4QB

Delayed transition – Open style, Level 4 Touch controls

I-O-II –operation with stable OFF position between positions I and II.
Delivery includes handle for manual operation, 2 m RJ45 connection cable between detachable HMI and ATS frame.
Terminal connection kits (bolts, nuts and washers) available as accessory.

Bottom entry - Source 1 and Source 2 connections on bottom, load connections on top

No. of poles	Rated current [A]	Type	Order number	Weight /unit kg
3	200	OXB200E3X4QB	1SCA152043R1001	14.82
3	250	OXB250E3X4QB	1SCA153463R1001	14.82
3	315	OXB315E3X4QB	1SCA153510R1001	16.30
3	400	OXB400E3X4QB	1SCA153523R1001	16.30
3	500	OXB500E3X4QB	1SCA149956R1001	20.12
3	630	OXB630E3X4QB	1SCA151067R1001	20.12
3	800	OXB800E3X4QB	1SCA150945R1001	20.12
3	1000	OXB1000E3X4QB	1SCA153584R1001	44.50
3	1250	OXB1250E3X4QB	1SCA153620R1001	44.50
3	1600	OXB1600E3X4QB	1SCA153629R1001	44.50
4	200	OXB200E3S4QB	1SCA153431R1001	16.47
4	250	OXB250E3S4QB	1SCA152794R1001	16.47
4	315	OXB315E3S4QB	1SCA153504R1001	18.55
4	400	OXB400E3S4QB	1SCA152048R1001	18.55
4	500	OXB500E3S4QB	1SCA150003R1001	22.40
4	630	OXB630E3S4QB	1SCA151060R1001	22.40
4	800	OXB800E3S4QB	1SCA149959R1001	22.40
4	1000	OXB1000E3S4QB	1SCA151491R1001	57.55
4	1250	OXB1250E3S4QB	1SCA153614R1001	57.55
4	1600	OXB1600E3S4QB	1SCA152414R1001	57.55

Ordering Information

Automatic transfer switches - IEC



OXB200...250E3X4QT



OXB315...400E3X4QT



OXB500...800E3X4QT



OXB1000...1600E3X4QT



OXB200...250E3S4QT



OXB315...400E3S4QT



OXB500...800E3S4QT



OXB1000...1600E3S4QT

Delayed transition – Open style, Level 4 Touch controls

I-O-II –operation with stable OFF position between positions I and II.
Delivery includes handle for manual operation, 2 m RJ45 connection cable between detachable HMI and ATS frame.
Terminal connection kits (bolts, nuts and washers) available as accessory.

Top entry - Source 1 and Source 2 connections on top, load connections on bottom

No. of poles	Rated current [A]	Type	Order number	Weight/unit kg
3	200	OXB200E3X4QT	1SCA152044R1001	14.85
3	250	OXB250E3X4QT	1SCA153464R1001	14.85
3	315	OXB315E3X4QT	1SCA152047R1001	16.33
3	400	OXB400E3X4QT	1SCA153524R1001	16.33
3	500	OXB500E3X4QT	1SCA151746R1001	20.15
3	630	OXB630E3X4QT	1SCA151068R1001	20.15
3	800	OXB800E3X4QT	1SCA150946R1001	20.15
3	1000	OXB1000E3X4QT	1SCA153585R1001	44.53
3	1250	OXB1250E3X4QT	1SCA153621R1001	44.53
3	1600	OXB1600E3X4QT	1SCA153630R1001	44.53
4	200	OXB200E3S4QT	1SCA153432R1001	16.50
4	250	OXB250E3S4QT	1SCA152045R1001	16.50
4	315	OXB315E3S4QT	1SCA153505R1001	18.58
4	400	OXB400E3S4QT	1SCA153519R1001	18.58
4	500	OXB500E3S4QT	1SCA151743R1001	22.43
4	630	OXB630E3S4QT	1SCA151061R1001	22.43
4	800	OXB800E3S4QT	1SCA150939R1001	22.43
4	1000	OXB1000E3S4QT	1SCA153581R1001	57.58
4	1250	OXB1250E3S4QT	1SCA153615R1001	57.58
4	1600	OXB1600E3S4QT	1SCA152413R1001	57.58



Automatic transfer switches – UL

Open style

Level 2 – Open transition
30 Cabling - bottom entry
31 Cabling - top entry

Level 2 – Delayed transition
32 Cabling - bottom entry
33 Cabling - top entry

Level 3 – Open transition
34 Cabling - bottom entry
35 Cabling - top entry

Level 3 – Open transition with overlapping neutral
36 Cabling - bottom & top entry

Level 3 – Delayed transition
37 Cabling - bottom entry
38 Cabling - top entry

Level 4 – Open transition
39 Cabling - bottom entry
40 Cabling - top entry

Level 4 – Open transition with overlapping neutral
41 Cabling - bottom & top entry

Level 4 – Delayed transition
42 Cabling - bottom entry
43 Cabling - top entry

Ordering Information

Automatic transfer switches - UL



OXA30...200U2X2QT





OXA260U2X2QB

OXA400...600U2X2QB





OXA260U3X2QB

OXA30...200U3X2QB



OXA400...600U3X2QB



OXA800...1200U3X2QB





OXA30...200U3S2QB

OXA260U3S2QB



OXA400...600U3S2QB



OXA800...1200U3S2QB

Open transition – Open style, Level 2 DIP controls

I-II –operation without stable OFF position between positions I and II.
Delivery includes handle for manual operation, 2 m RJ45 connection cable between detachable HMI and ATS frame.
Terminal connection kits (bolts, nuts and washers) and mechanical lugs available as accessory.

Bottom entry - Source 1 and Source 2 connections on bottom, load connections on top

No. of poles	Rated current [A] UL	IEC	Type	Order number	Weight/unit kg
2	30		OXA30U2X2QB	1SCA153327R1001	12.76
2	60		OXA60U2X2QB	1SCA153349R1001	12.76
2	100		OXA100U2X2QB	1SCA153243R1001	12.76
2	125		OXA125U2X2QB	1SCA153263R1001	12.76
2	160	160	OXA160U2X2QB	1SCA153285R1001	12.76
2	200	250	OXA200U2X2QB	1SCA153302R1001	12.76
2	260	400	OXA260U2X2QB	1SCA153315R1001	13.74
2	400	400	OXA400U2X2QB	1SCA150972R1001	17.01
2	600	800	OXA600U2X2QB	1SCA150988R1001	17.12
3	30		OXA30U3X2QB	1SCA153343R1001	14.35
3	60		OXA60U3X2QB	1SCA153369R1001	14.35
3	100		OXA100U3X2QB	1SCA153257R1001	14.35
3	125		OXA125U3X2QB	1SCA153279R1001	14.35
3	160	160	OXA160U3X2QB	1SCA153297R1001	14.35
3	200	250	OXA200U3X2QB	1SCA152790R1001	14.35
3	260	400	OXA260U3X2QB	1SCA153323R1001	15.82
3	400	400	OXA400U3X2QB	1SCA149949R1001	19.65
3	600	800	OXA600U3X2QB	1SCA150998R1001	19.46
3	800	1000	OXA800U3X2QB	1SCA151489R1001	43.64
3	1000	1250	OXA1000U3X2QB	1SCA153548R1001	43.64
3	1200	1600	OXA1200U3X2QB	1SCA153560R1001	43.64
4	30		OXA30U3S2QB	1SCA153335R1001	15.94
4	60		OXA60U3S2QB	1SCA153358R1001	15.94
4	100		OXA100U3S2QB	1SCA153251R1001	15.94
4	125		OXA125U3S2QB	1SCA153273R1001	15.94
4	160	160	OXA160U3S2QB	1SCA152035R1001	15.94
4	200	250	OXA200U3S2QB	1SCA152789R1001	15.94
4	260	400	OXA260U3S2QB	1SCA153320R1001	18.02
4	400	400	OXA400U3S2QB	1SCA150978R1001	21.28
4	600	800	OXA600U3S2QB	1SCA150994R1001	21.28
4	800	1000	OXA800U3S2QB	1SCA153569R1001	56.58
4	1000	1250	OXA1000U3S2QB	1SCA153544R1001	56.58
4	1200	1600	OXA1200U3S2QB	1SCA153555R1001	56.58

Notes: Phase barriers on the LOAD side required with 400-1200A (included in the delivery).

Ordering Information

Automatic transfer switches - UL



OXA30...200U2X2QT





OXA400...600U2X2QT

OXA30...200U3X2QT





OXA260U3X2QT

OXA400...600U3X2QT





OXA800...1200U3X2QT

OXA30...200U3S2QT



OXA400...600U3S2QT



OXA800...1200U3S2QT

Open transition – Open style, Level 2 DIP controls

I-II –operation without stable OFF position between positions I and II.
Delivery includes handle for manual operation, 2 m RJ45 connection cable between detachable HMI and ATS frame.
Terminal connection kits (bolts, nuts and washers) and mechanical lugs available as accessory.

Top entry - Source 1 and Source 2 connections on top, load connections on bottom

No. of poles	Rated current [A] UL	IEC	Type	Order number	Weight/unit kg
2	30		OXA30U2X2QT	1SCA153328R1001	12.79
2	60		OXA60U2X2QT	1SCA153350R1001	12.79
2	100		OXA100U2X2QT	1SCA153244R1001	12.79
2	125		OXA125U2X2QT	1SCA153264R1001	12.79
2	160	160	OXA160U2X2QT	1SCA153286R1001	12.79
2	200	250	OXA200U2X2QT	1SCA153303R1001	12.79
2	260	400	OXA260U2X2QT	1SCA153316R1001	13.77
2	400	400	OXA400U2X2QT	1SCA150973R1001	17.04
2	600	800	OXA600U2X2QT	1SCA150989R1001	17.15
3	30		OXA30U3X2QT	1SCA153344R1001	14.38
3	60		OXA60U3X2QT	1SCA153370R1001	14.38
3	100		OXA100U3X2QT	1SCA153258R1001	14.38
3	125		OXA125U3X2QT	1SCA153280R1001	14.38
3	160	160	OXA160U3X2QT	1SCA153298R1001	14.38
3	200	250	OXA200U3X2QT	1SCA153311R1001	14.38
3	260	400	OXA260U3X2QT	1SCA153324R1001	15.85
3	400	400	OXA400U3X2QT	1SCA150980R1001	19.68
3	600	800	OXA600U3X2QT	1SCA150999R1001	19.49
3	800	1000	OXA800U3X2QT	1SCA151490R1001	44.67
3	1000	1250	OXA1000U3X2QT	1SCA153549R1001	43.67
3	1200	1600	OXA1200U3X2QT	1SCA153561R1001	43.67
4	30		OXA30U3S2QT	1SCA153336R1001	15.97
4	60		OXA60U3S2QT	1SCA153360R1001	15.97
4	100		OXA100U3S2QT	1SCA153252R1001	15.97
4	125		OXA125U3S2QT	1SCA153274R1001	15.97
4	160	160	OXA160U3S2QT	1SCA152036R1001	15.97
4	200	250	OXA200U3S2QT	1SCA153308R1001	15.97
4	260	400	OXA260U3S2QT	1SCA152040R1001	18.05
4	400	400	OXA400U3S2QT	1SCA150979R1001	21.31
4	600	800	OXA600U3S2QT	1SCA149953R1001	21.73
4	800	1000	OXA800U3S2QT	1SCA153570R1001	56.61
4	1000	1250	OXA1000U3S2QT	1SCA153545R1001	56.61
4	1200	1600	OXA1200U3S2QT	1SCA151483R1001	56.61

Notes: Phase barriers on the LOAD side required with 400-1200A (included in the delivery).

Ordering Information

Automatic transfer switches - UL



OXB30...200U2X2QB



OXB600U2X2QB



OXB30...200U3X2QB



OXB400...600U3X2QB



OXB800...1200U3X2QB



OXB30...200U3S2QB



OXB400...600U3S2QB



OXB800...1200U3S2QB

Delayed transition – Open style, Level 2 DIP controls

I-O-II –operation with stable OFF position between positions I and II.
Delivery includes handle for manual operation, 2 m RJ45 connection cable between detachable HMI and ATS frame.
Terminal connection kits (bolts, nuts and washers) and mechanical lugs available as accessory.

Bottom entry - Source 1 and Source 2 connections on bottom, load connections on top

No. of poles	Rated current [A] UL	IEC	Type	Order number	Weight/unit kg
2	30		OXB30U2X2QB	1SCA153481R1001	13.06
2	60		OXB60U2X2QB	1SCA153525R1001	13.06
2	100		OXB100U2X2QB	1SCA153375R1001	13.06
2	125		OXB125U2X2QB	1SCA153391R1001	13.06
2	160	160	OXB160U2X2QB	1SCA153407R1001	13.06
2	200	250	OXB200U2X2QB	1SCA153436R1001	13.06
2	260	400	OXB260U2X2QB	1SCA153465R1001	14.04
2	400	400	OXB400U2X2QB	1SCA151007R1001	17.51
2	600	800	OXB600U2X2QB	1SCA151033R1001	17.58
3	30		OXB30U3X2QB	1SCA153491R1001	14.65
3	60		OXB60U3X2QB	1SCA153535R1001	14.65
3	100		OXB100U3X2QB	1SCA153385R1001	14.65
3	125		OXB125U3X2QB	1SCA153401R1001	14.65
3	160	160	OXB160U3X2QB	1SCA153417R1001	14.65
3	200	250	OXB200U3X2QB	1SCA153446R1001	14.65
3	260	400	OXB260U3X2QB	1SCA153475R1001	16.12
3	400	400	OXB400U3X2QB	1SCA151017R1001	19.70
3	600	800	OXB600U3X2QB	1SCA151043R1001	19.92
3	800	1000	OXB800U3X2QB	1SCA153637R1001	44.14
3	1000	1250	OXB1000U3X2QB	1SCA153592R1001	44.14
3	1200	1600	OXB1200U3X2QB	1SCA153604R1001	44.14
4	30		OXB30U3S2QB	1SCA153485R1001	16.24
4	60		OXB60U3S2QB	1SCA153529R1001	16.24
4	100		OXB100U3S2QB	1SCA153379R1001	16.24
4	125		OXB125U3S2QB	1SCA153395R1001	16.24
4	160	160	OXB160U3S2QB	1SCA153411R1001	16.24
4	200	250	OXB200U3S2QB	1SCA153440R1001	16.24
4	260	400	OXB260U3S2QB	1SCA153469R1001	18.32
4	400	400	OXB400U3S2QB	1SCA151011R1001	21.78
4	600	800	OXB600U3S2QB	1SCA151037R1001	22.20
4	800	1000	OXB800U3S2QB	1SCA153631R1001	57.08
4	1000	1250	OXB1000U3S2QB	1SCA153586R1001	57.08
4	1200	1600	OXB1200U3S2QB	1SCA153598R1001	57.08

Notes: Phase barriers on the LOAD side required with 400-1200A (included in the delivery).

Ordering Information

Automatic transfer switches - UL



OXB30...200U2X2QT





OXB260U2X2QT

OXB400...600U2X2QT





OXB30...200U3X2QT

OXB260U3X2QT





OXB800...1200U3X2QT

OXB30...200U3S2QT



OXB400...600U3S2QT

Delayed transition – Open style, Level 2 DIP controls

I-O-II –operation with stable OFF position between positions I and II.
Delivery includes handle for manual operation, 2 m RJ45 connection cable between detachable HMI and ATS frame.
Terminal connection kits (bolts, nuts and washers) and mechanical lugs available as accessory.

Top entry - Source 1 and Source 2 connections on top, load connections on bottom

No. of poles	Rated current [A] UL	IEC	Type	Order number	Weight/unit kg
2	30		OXB30U2X2QT	1SCA153482R1001	13.09
2	60		OXB60U2X2QT	1SCA153526R1001	13.09
2	100		OXB100U2X2QT	1SCA153376R1001	13.09
2	125		OXB125U2X2QT	1SCA153392R1001	13.09
2	160	160	OXB160U2X2QT	1SCA153408R1001	13.09
2	200	250	OXB200U2X2QT	1SCA153437R1001	13.09
2	260	400	OXB260U2X2QT	1SCA153466R1001	14.07
2	400	400	OXB400U2X2QT	1SCA151008R1001	17.54
2	600	800	OXB600U2X2QT	1SCA151034R1001	17.61
3	30		OXB30U3X2QT	1SCA153492R1001	14.68
3	60		OXB60U3X2QT	1SCA153536R1001	14.68
3	100		OXB100U3X2QT	1SCA153386R1001	14.68
3	125		OXB125U3X2QT	1SCA153402R1001	14.68
3	160	160	OXB160U3X2QT	1SCA153418R1001	14.68
3	200	250	OXB200U3X2QT	1SCA153447R1001	14.68
3	260	400	OXB260U3X2QT	1SCA153476R1001	16.15
3	400	400	OXB400U3X2QT	1SCA151018R1001	19.73
3	600	800	OXB600U3X2QT	1SCA151044R1001	19.95
3	800	1000	OXB800U3X2QT	1SCA153638R1001	44.17
3	1000	1250	OXB1000U3X2QT	1SCA153593R1001	44.17
3	1200	1600	OXB1200U3X2QT	1SCA153605R1001	44.17
4	30		OXB30U3S2QT	1SCA153486R1001	16.27
4	60		OXB60U3S2QT	1SCA153530R1001	16.27
4	100		OXB100U3S2QT	1SCA153380R1001	16.27
4	125		OXB125U3S2QT	1SCA153396R1001	16.27
4	160	160	OXB160U3S2QT	1SCA153412R1001	16.27
4	200	250	OXB200U3S2QT	1SCA153441R1001	16.27
4	260	400	OXB260U3S2QT	1SCA153470R1001	18.35
4	400	400	OXB400U3S2QT	1SCA151012R1001	21.81
4	600	800	OXB600U3S2QT	1SCA151038R1001	22.23
4	800	1000	OXB800U3S2QT	1SCA153632R1001	57.11
4	1000	1250	OXB1000U3S2QT	1SCA153587R1001	57.11
4	1200	1600	OXB1200U3S2QT	1SCA153599R1001	57.11

Notes: Phase barriers on the LOAD side required with 400-1200A (included in the delivery).

Ordering Information

Automatic transfer switches - UL


OXA30...200U2X3QB


OXA600U2X3QB


OXA400...600U2X3QB


OXA30...200U3X3QB


OXA260U3X3QB


OXA400...600U3X3QB


OXA800...1200U3X3QB


OXA30...200U3S3QB


OXA400...600U3S3QB


OXA800...1200U3S3QB

Open transition – Open style, Level 3 controls

I-II –operation without stable OFF position between positions I and II.
Delivery includes handle for manual operation, 2 m RJ45 connection cable between detachable HMI and ATS frame.
Terminal connection kits (bolts, nuts and washers) and mechanical lugs available as accessory.

Bottom entry - Source 1 and Source 2 connections on bottom, load connections on top

No. of poles	Rated current [A] UL	IEC	Type	Order number	Weight/unit kg
2	30		OXA30U2X3QB	1SCA153329R1001	12.76
2	60		OXA60U2X3QB	1SCA153351R1001	12.76
2	100		OXA100U2X3QB	1SCA153245R1001	12.76
2	125		OXA125U2X3QB	1SCA153265R1001	12.76
2	160	160	OXA160U2X3QB	1SCA153287R1001	12.76
2	200	250	OXA200U2X3QB	1SCA153304R1001	12.76
2	260	400	OXA260U2X3QB	1SCA153317R1001	13.74
2	400	400	OXA400U2X3QB	1SCA150974R1001	17.01
2	600	800	OXA600U2X3QB	1SCA150990R1001	17.12
3	30		OXA30U3X3QB	1SCA153345R1001	14.35
3	60		OXA60U3X3QB	1SCA153371R1001	14.35
3	100		OXA100U3X3QB	1SCA153259R1001	14.35
3	125		OXA125U3X3QB	1SCA153281R1001	14.35
3	160	160	OXA160U3X3QB	1SCA153299R1001	14.35
3	200	250	OXA200U3X3QB	1SCA153312R1001	14.35
3	260	400	OXA260U3X3QB	1SCA152793R1001	15.82
3	400	400	OXA400U3X3QB	1SCA150981R1001	19.65
3	600	800	OXA600U3X3QB	1SCA151000R1001	19.46
3	800	1000	OXA800U3X3QB	1SCA153573R1001	43.64
3	1000	1250	OXA1000U3X3QB	1SCA153550R1001	43.64
3	1200	1600	OXA1200U3X3QB	1SCA153562R1001	43.64
4	30		OXA30U3S3QB	1SCA153339R1001	15.94
4	60		OXA60U3S3QB	1SCA153361R1001	15.94
4	100		OXA100U3S3QB	1SCA153253R1001	15.94
4	125		OXA125U3S3QB	1SCA153275R1001	15.94
4	160	160	OXA160U3S3QB	1SCA153293R1001	15.94
4	200	250	OXA200U3S3QB	1SCA153309R1001	15.94
4	260	400	OXA260U3S3QB	1SCA153321R1001	18.02
4	400	400	OXA400U3S3QB	1SCA149945R1001	21.28
4	600	800	OXA600U3S3QB	1SCA150995R1001	21.70
4	800	1000	OXA800U3S3QB	1SCA151487R1001	56.58
4	1000	1250	OXA1000U3S3QB	1SCA153546R1001	56.58
4	1200	1600	OXA1200U3S3QB	1SCA153556R1001	56.58

Notes: Phase barriers on the LOAD side required with 400-1200A (included in the delivery).

Ordering Information

Automatic transfer switches - UL



OXA30...200U2X3QT





OXA400...600U2X3QT

OXA30...200U3X3QT



OXA260U3X3QT



OXA400...600U3X3QT





OXA800...1200U3X3QT

OXA30...200U3S3QT



OXA260U3S3QT



OXA400...600U3S3QT



OXA800...1200U3S3QT

Open transition – Open style, Level 3 controls

I-II –operation without stable OFF position between positions I and II.
Delivery includes handle for manual operation, 2 m RJ45 connection cable between detachable HMI and ATS frame.
Terminal connection kits (bolts, nuts and washers) and mechanical lugs available as accessory.

Top entry - Source 1 and Source 2 connections on top, load connections on bottom

No. of poles	Rated current [A] UL	IEC	Type	Order number	Weight/unit kg
2	30		OXA30U2X3QT	1SCA153330R1001	12.76
2	60		OXA60U2X3QT	1SCA153352R1001	12.76
2	100		OXA100U2X3QT	1SCA153246R1001	12.76
2	125		OXA125U2X3QT	1SCA153268R1001	12.76
2	160	160	OXA160U2X3QT	1SCA153288R1001	12.76
2	200	250	OXA200U2X3QT	1SCA153305R1001	12.76
2	260	400	OXA260U2X3QT	1SCA153318R1001	13.74
2	400	400	OXA400U2X3QT	1SCA150975R1001	17.01
2	600	800	OXA600U2X3QT	1SCA150991R1001	17.12
3	30		OXA30U3X3QT	1SCA153346R1001	14.35
3	60		OXA60U3X3QT	1SCA153372R1001	14.35
3	100		OXA100U3X3QT	1SCA153260R1001	14.35
3	125		OXA125U3X3QT	1SCA153282R1001	14.35
3	160	160	OXA160U3X3QT	1SCA153300R1001	14.35
3	200	250	OXA200U3X3QT	1SCA153313R1001	14.35
3	260	400	OXA260U3X3QT	1SCA153325R1001	15.82
3	400	400	OXA400U3X3QT	1SCA150982R1001	19.65
3	600	800	OXA600U3X3QT	1SCA151001R1001	19.46
3	800	1000	OXA800U3X3QT	1SCA153574R1001	43.64
3	1000	1250	OXA1000U3X3QT	1SCA153551R1001	43.64
3	1200	1600	OXA1200U3X3QT	1SCA153563R1001	43.64
4	30		OXA30U3S3QT	1SCA153340R1001	15.94
4	60		OXA60U3S3QT	1SCA153362R1001	15.94
4	100		OXA100U3S3QT	1SCA153254R1001	15.94
4	125		OXA125U3S3QT	1SCA153276R1001	15.94
4	160	160	OXA160U3S3QT	1SCA153294R1001	15.94
4	200	250	OXA200U3S3QT	1SCA152038R1001	15.94
4	260	400	OXA260U3S3QT	1SCA153322R1001	18.02
4	400	400	OXA400U3S3QT	1SCA149946R1001	21.28
4	600	800	OXA600U3S3QT	1SCA150996R1001	21.70
4	800	1000	OXA800U3S3QT	1SCA153571R1001	56.58
4	1000	1250	OXA1000U3S3QT	1SCA153547R1001	56.58
4	1200	1600	OXA1200U3S3QT	1SCA153557R1001	56.58

Notes: Phase barriers on the LOAD side required with 400-1200A (included in the delivery).

Ordering Information

Automatic transfer switches - UL



OXA30...200U3O3QB



OXA400...600U3O3QB



OXA800...1200U3O3QB



OXA400...600U3O3QT



OXA800...1200U3O3QT

Open transition with overlapping neutral – Open style, Level 3 controls

I-II –operation without stable OFF position between positions I and II.
Overlapping neutral means the neutral will not be disconnected from the load when transferring from source to another. Overlap period of neutral contacts below 100ms. Overlapping neutral pole is always on the right side (1st pole from the right). Delivery includes handle for manual operation, 2 m connection cable between detachable HMI and ATS frame.
Terminal connection kits (bolts, nuts and washers) and mechanical lugs available as accessory.

Bottom entry - Source 1 and Source 2 connections on bottom, load connections on top

No. of poles	Rated current [A] UL	IEC	Type	Order number	Weight/unit kg
4	30		OXA30U3O3QB	1SCA153331R1001	15.74
4	60		OXA60U3O3QB	1SCA153353R1001	15.74
4	100		OXA100U3O3QB	1SCA153247R1001	15.74
4	125		OXA125U3O3QB	1SCA153269R1001	15.74
4	160	160	OXA160U3O3QB	1SCA153289R1001	15.74
4	200	250	OXA200U3O3QB	1SCA153306R1001	15.74
4	260	400	OXA260U3O3QB	1SCA152791R1001	18.00
4	400	400	OXA400U3O3QB	1SCA149943R1001	21.16
4	600	800	OXA600U3O3QB	1SCA150992R1001	21.58
4	800	1000	OXA800U3O3QB	1SCA153565R1001	56.58
4	1000	1250	OXA1000U3O3QB	1SCA153541R1001	56.58
4	1200	1600	OXA1200U3O3QB	1SCA151480R1001	56.58

Top entry - Source 1 and Source 2 connections on top, load connections on bottom

No. of poles	Rated current [A] UL	IEC	Type	Order number	Weight/unit kg
4	30		OXA30U3O3QT	1SCA153332R1001	15.77
4	60		OXA60U3O3QT	1SCA153354R1001	15.77
4	100		OXA100U3O3QT	1SCA153248R1001	15.77
4	125		OXA125U3O3QT	1SCA153270R1001	15.77
4	160	160	OXA160U3O3QT	1SCA153290R1001	15.77
4	200	250	OXA200U3O3QT	1SCA152430R1001	15.77
4	260	400	OXA260U3O3QT	1SCA153319R1001	17.93
4	400	400	OXA400U3O3QT	1SCA150976R1001	21.19
4	600	800	OXA600U3O3QT	1SCA150993R1001	21.61
4	800	1000	OXA800U3O3QT	1SCA153566R1001	56.61
4	1000	1250	OXA1000U3O3QT	1SCA153542R1001	56.61
4	1200	1600	OXA1200U3O3QT	1SCA151481R1001	56.61

Notes: Phase barriers on the LOAD side required with 400-1200A (included in the delivery).

Ordering Information

Automatic transfer switches - UL



OXB30...200U2X3QB



OXB400...600U2X3QB



OXB30...200U3X3QB



OXB260U3X3QB



OXB400...600U3X3QB



OXB800...1200U3X3QB



OXB30...200U3S3QB



OXB400...600U3S3QB



OXB400...600U3S3QB



OXB800...1200U3S3QB

Delayed transition – Open style, Level 3 controls

I-O-II –operation with stable OFF position between positions I and II.
Delivery includes handle for manual operation, 2 m RJ45 connection cable between detachable HMI and ATS frame.
Terminal connection kits (bolts, nuts and washers) and mechanical lugs available as accessory.

Bottom entry - Source 1 and Source 2 connections on bottom, load connections on top

No. of poles	Rated current [A] UL	IEC	Type	Order number	Weight/unit kg
2	30		OXB30U2X3QB	1SCA153483R1001	13.06
2	60		OXB60U2X3QB	1SCA153527R1001	13.06
2	100		OXB100U2X3QB	1SCA153377R1001	13.06
2	125		OXB125U2X3QB	1SCA153393R1001	13.06
2	160	160	OXB160U2X3QB	1SCA153409R1001	13.06
2	200	250	OXB200U2X3QB	1SCA153438R1001	13.06
2	260	400	OXB260U2X3QB	1SCA153467R1001	14.04
2	400	400	OXB400U2X3QB	1SCA151009R1001	17.51
2	600	800	OXB600U2X3QB	1SCA151035R1001	17.58
3	30		OXB30U3X3QB	1SCA153493R1001	14.65
3	60		OXB60U3X3QB	1SCA153537R1001	14.65
3	100		OXB100U3X3QB	1SCA153387R1001	14.65
3	125		OXB125U3X3QB	1SCA153403R1001	14.65
3	160	160	OXB160U3X3QB	1SCA153419R1001	14.65
3	200	250	OXB200U3X3QB	1SCA153448R1001	14.65
3	260	400	OXB260U3X3QB	1SCA153477R1001	16.12
3	400	400	OXB400U3X3QB	1SCA151019R1001	19.70
3	600	800	OXB600U3X3QB	1SCA151045R1001	19.92
3	800	1000	OXB800U3X3QB	1SCA153639R1001	44.14
3	1000	1250	OXB1000U3X3QB	1SCA153594R1001	44.14
3	1200	1600	OXB1200U3X3QB	1SCA153606R1001	44.14
4	30		OXB30U3S3QB	1SCA153487R1001	16.24
4	60		OXB60U3S3QB	1SCA153531R1001	16.24
4	100		OXB100U3S3QB	1SCA153381R1001	16.24
4	125		OXB125U3S3QB	1SCA153397R1001	16.24
4	160	160	OXB160U3S3QB	1SCA153413R1001	16.24
4	200	250	OXB200U3S3QB	1SCA153442R1001	16.24
4	260	400	OXB260U3S3QB	1SCA153471R1001	18.32
4	400	400	OXB400U3S3QB	1SCA151013R1001	21.78
4	600	800	OXB600U3S3QB	1SCA151039R1001	22.20
4	800	1000	OXB800U3S3QB	1SCA153633R1001	57.08
4	1000	1250	OXB1000U3S3QB	1SCA153588R1001	57.08
4	1200	1600	OXB1200U3S3QB	1SCA153600R1001	57.08

Notes: Phase barriers on the LOAD side required with 400-1200A (included in the delivery).

Ordering Information

Automatic transfer switches - UL



OXB30...200U2X3QT





OXB400...600U2X3QT

OXB30...200E3X3QT



OXB400...600U3X3QT



OXB260U3X3QT



OXB800...1200U3X3QT



OXB30...200U3S3QT



OXB260U3S3QT



OXB400...600U3S3QT



OXB800...1200U3S3QT

Delayed transition – Open style, Level 3 controls

I-O-II –operation with stable OFF position between positions I and II.
Delivery includes handle for manual operation, 2 m RJ45 connection cable between detachable HMI and ATS frame.
Terminal connection kits (bolts, nuts and washers) and mechanical lugs available as accessory.

Top entry - Source 1 and Source 2 connections on top, load connections on bottom

No. of poles	Rated current [A] UL	IEC	Type	Order number	Weight/unit kg
2	30		OXB30U2X3QT	1SCA153484R1001	13.09
2	60		OXB60U2X3QT	1SCA153528R1001	13.09
2	100		OXB100U2X3QT	1SCA153378R1001	13.09
2	125		OXB125U2X3QT	1SCA153394R1001	13.09
2	160	160	OXB160U2X3QT	1SCA153410R1001	13.09
2	200	250	OXB200U2X3QT	1SCA153439R1001	13.09
2	260	400	OXB260U2X3QT	1SCA153468R1001	14.07
2	400	400	OXB400U2X3QT	1SCA151010R1001	17.54
2	600	800	OXB600U2X3QT	1SCA151036R1001	17.61
3	30		OXB30U3X3QT	1SCA153494R1001	14.68
3	60		OXB60U3X3QT	1SCA153538R1001	14.68
3	100		OXB100U3X3QT	1SCA153388R1001	14.68
3	125		OXB125U3X3QT	1SCA153404R1001	14.68
3	160	160	OXB160U3X3QT	1SCA153420R1001	14.68
3	200	250	OXB200U3X3QT	1SCA153449R1001	14.68
3	260	400	OXB260U3X3QT	1SCA153478R1001	16.15
3	400	400	OXB400U3X3QT	1SCA151020R1001	19.73
3	600	800	OXB600U3X3QT	1SCA151046R1001	19.95
3	800	1000	OXB800U3X3QT	1SCA153640R1001	44.17
3	1000	1250	OXB1000U3X3QT	1SCA153595R1001	44.17
3	1200	1600	OXB1200U3X3QT	1SCA153607R1001	44.17
4	30		OXB30U3S3QT	1SCA153488R1001	16.27
4	60		OXB60U3S3QT	1SCA153532R1001	16.27
4	100		OXB100U3S3QT	1SCA153382R1001	16.27
4	125		OXB125U3S3QT	1SCA153398R1001	16.27
4	160	160	OXB160U3S3QT	1SCA153414R1001	16.27
4	200	250	OXB200U3S3QT	1SCA153443R1001	16.27
4	260	400	OXB260U3S3QT	1SCA153472R1001	18.35
4	400	400	OXB400U3S3QT	1SCA151014R1001	21.81
4	600	800	OXB600U3S3QT	1SCA151040R1001	22.23
4	800	1000	OXB800U3S3QT	1SCA153634R1001	57.11
4	1000	1250	OXB1000U3S3QT	1SCA153589R1001	57.11
4	1200	1600	OXB1200U3S3QT	1SCA153601R1001	57.11

Notes: Phase barriers on the LOAD side required with 400-1200A (included in the delivery).

Ordering Information

Automatic transfer switches - UL

Open transition – Open style, Level 4 controls

I-II –operation without stable OFF position between positions I and II.
Delivery includes handle for manual operation, 2 m RJ45 connection cable between detachable HMI and ATS frame.
Terminal connection kits (bolts, nuts and washers) and mechanical lugs available as accessory.


OXA260U3S4QB


OXA260U3X4QB


OXA400...600U3X4QB


OXA800...1200U3X4QB


OXA30...200U3S4QB


OXA400...600U3S4QB


OXA800...1200U3S4QB

Bottom entry - Source 1 and Source 2 connections on bottom, load connections on top

No. of poles	Rated current [A] UL	IEC	Type	Order number	Weight/unit kg
3	30		OXA30U3X4QB	1SCA153347R1001	14.52
3	60		OXA60U3X4QB	1SCA153373R1001	14.52
3	100		OXA100U3X4QB	1SCA153261R1001	14.52
3	125		OXA125U3X4QB	1SCA153283R1001	14.52
3	160	160	OXA160U3X4QB	1SCA152429R1001	14.52
3	200	250	OXA200U3X4QB	1SCA153314R1001	14.52
3	260	400	OXA260U3X4QB	1SCA152434R1001	16.00
3	400	400	OXA400U3X4QB	1SCA150983R1001	19.85
3	600	800	OXA600U3X4QB	1SCA151002R1001	19.66
3	800	1000	OXA800U3X4QB	1SCA153575R1001	44.00
3	1000	1250	OXA1000U3X4QB	1SCA153552R1001	44.00
3	1200	1600	OXA1200U3X4QB	1SCA151484R1001	44.00
4	30		OXA30U3S4QB	1SCA153341R1001	16.17
4	60		OXA60U3S4QB	1SCA153363R1001	16.17
4	100		OXA100U3S4QB	1SCA153255R1001	16.17
4	125		OXA125U3S4QB	1SCA153277R1001	16.17
4	160	160	OXA160U3S4QB	1SCA153295R1001	16.17
4	200	250	OXA200U3S4QB	1SCA152431R1001	16.17
4	260	400	OXA260U3S4QB	1SCA152792R1001	18.35
4	400	400	OXA400U3S4QB	1SCA149947R1001	21.48
4	600	800	OXA600U3S4QB	1SCA149954R1001	21.90
4	800	1000	OXA800U3S4QB	1SCA151488R1001	57.05
4	1000	1250	OXA1000U3S4QB	1SCA151478R1001	57.05
4	1200	1600	OXA1200U3S4QB	1SCA153558R1001	57.05

Notes: Phase barriers on the LOAD side required with 400-1200A (included in the delivery).

Ordering Information

Automatic transfer switches - UL



OXA30...200U3X4QT



OXA260U3X4QT



OXA400...600U3X4QT



OXA800...1200U3X4QT



OXA30...200U3S4QT



OXA260U3S4QT



OXA400...600U3S4QT



OXA800...1200U3S4QT

Open transition – Open style, Level 4 controls

I-II –operation without stable OFF position between positions I and II.
Delivery includes handle for manual operation, 2 m RJ45 connection cable between detachable HMI and ATS frame.
Terminal connection kits (bolts, nuts and washers) and mechanical lugs available as accessory.

Top entry - Source 1 and Source 2 connections on top, load connections on bottom

No. of poles	Rated current [A] UL	IEC	Type	Order number	Weight/unit kg
3	30		OXA30U3X4QT	1SCA153348R1001	14.55
3	60		OXA60U3X4QT	1SCA153374R1001	14.55
3	100		OXA100U3X4QT	1SCA153262R1001	14.55
3	125		OXA125U3X4QT	1SCA153284R1001	14.55
3	160	160	OXA160U3X4QT	1SCA153301R1001	14.55
3	200	250	OXA200U3X4QT	1SCA152432R1001	14.55
3	260	400	OXA260U3X4QT	1SCA153326R1001	16.03
3	400	400	OXA400U3X4QT	1SCA149950R1001	19.88
3	600	800	OXA600U3X4QT	1SCA149955R1001	19.65
3	800	1000	OXA800U3X4QT	1SCA153576R1001	44.03
3	1000	1250	OXA1000U3X4QT	1SCA153553R1001	44.03
3	1200	1600	OXA1200U3X4QT	1SCA153564R1001	44.03
4	30		OXA30U3S4QT	1SCA153342R1001	16.20
4	60		OXA60U3S4QT	1SCA153368R1001	16.20
4	100		OXA100U3S4QT	1SCA153256R1001	16.20
4	125		OXA125U3S4QT	1SCA153278R1001	16.20
4	160	160	OXA160U3S4QT	1SCA153296R1001	16.20
4	200	250	OXA200U3S4QT	1SCA153310R1001	16.20
4	260	400	OXA260U3S4QT	1SCA152041R1001	18.28
4	400	400	OXA400U3S4QT	1SCA149948R1001	21.31
4	600	800	OXA600U3S4QT	1SCA150997R1001	21.93
4	800	1000	OXA800U3S4QT	1SCA153572R1001	57.08
4	1000	1250	OXA1000U3S4QT	1SCA151479R1001	57.08
4	1200	1600	OXA1200U3S4QT	1SCA153559R1001	57.08

Notes: Phase barriers on the LOAD side required with 400-1200A (included in the delivery).

Ordering Information

Automatic transfer switches - UL



OXA30...200U3O4QB



OXA260U3O4QB



OXA400...600U3O4QB



OXA800...1200U3O4QB



OXA30...200U3O4QT



OXA260U3O4QT



OXA400...600U3O4QT



OXA800...1200U3O4QT

Open transition with overlapping neutral – Open style, Level 4 controls

I-II –operation without stable OFF position between positions I and II.
Overlapping neutral means the neutral will not be disconnected from the load when transferring from source to another. Overlap period of neutral contacts below 100ms. Overlapping neutral pole is always on the right side (1st pole from the right). Delivery includes handle for manual operation, 2 m connection cable between detachable HMI and ATS frame.
Terminal connection kits (bolts, nuts and washers) and mechanical lugs available as accessory.

Bottom entry - Source 1 and Source 2 connections on bottom, load connections on top

No. of poles	Rated current [A] UL	IEC	Type	Order number	Weight/unit kg
4	30		OXA30U3O4QB	1SCA153333R1001	15.94
4	60		OXA60U3O4QB	1SCA153355R1001	15.94
4	100		OXA100U3O4QB	1SCA153249R1001	15.94
4	125		OXA125U3O4QB	1SCA153271R1001	15.94
4	160	160	OXA160U3O4QB	1SCA153291R1001	15.94
4	200	250	OXA200U3O4QB	1SCA152037R1001	15.97
4	260	400	OXA260U3O4QB	1SCA152039R1001	18.13
4	400	400	OXA400U3O4QB	1SCA149944R1001	21.06
4	600	800	OXA600U3O4QB	1SCA149951R1001	21.78
4	800	1000	OXA800U3O4QB	1SCA153567R1001	57.05
4	1000	1250	OXA1000U3O4QB	1SCA151477R1001	57.05
4	1200	1600	OXA1200U3O4QB	1SCA151482R1001	57.05

Top entry - Source 1 and Source 2 connections on top, load connections on bottom

No. of poles	Rated current [A] UL	IEC	Type	Order number	Weight/unit kg
4	30		OXA30U3O4QT	1SCA153334R1001	15.97
4	60		OXA60U3O4QT	1SCA153356R1001	15.97
4	100		OXA100U3O4QT	1SCA153250R1001	15.97
4	125		OXA125U3O4QT	1SCA153272R1001	15.97
4	160	160	OXA160U3O4QT	1SCA153292R1001	15.97
4	200	250	OXA200U3O4QT	1SCA153307R1001	15.97
4	260	400	OXA260U3O4QT	1SCA152433R1001	18.16
4	400	400	OXA400U3O4QT	1SCA150977R1001	21.39
4	600	800	OXA600U3O4QT	1SCA149952R1001	21.81
4	800	1000	OXA800U3O4QT	1SCA153568R1001	57.08
4	1000	1250	OXA1000U3O4QT	1SCA153543R1001	57.08
4	1200	1600	OXA1200U3O4QT	1SCA153554R1001	57.08

Notes: Phase barriers on the LOAD side required with 400-1200A (included in the delivery).

Ordering Information

Automatic transfer switches - UL



OXB260U3X4QB



OXB30...200U3X4QB



OXB400...600U3X4QB



OXB800...1200U3X4QB



OXB30...200U3S4QB



OXB260U3S4QB



OXB400...600U3S4QB



OXB800...1200U3S4QB

Delayed transition – Open style, Level 4 controls

I-O-II –operation with stable OFF position between positions I and II.
Delivery includes handle for manual operation, 2 m RJ45 connection cable between detachable HMI and ATS frame.
Terminal connection kits (bolts, nuts and washers) and mechanical lugs available as accessory.

Bottom entry - Source 1 and Source 2 connections on bottom, load connections on top

No. of poles	Rated current [A] UL	IEC	Type	Order number	Weight/unit kg
3	30		OXB30U3X4QB	1SCA153495R1001	14.82
3	60		OXB60U3X4QB	1SCA153539R1001	14.82
3	100		OXB100U3X4QB	1SCA153389R1001	14.82
3	125		OXB125U3X4QB	1SCA153405R1001	14.82
3	160	160	OXB160U3X4QB	1SCA153421R1001	14.82
3	200	250	OXB200U3X4QB	1SCA153450R1001	14.82
3	260	400	OXB260U3X4QB	1SCA153479R1001	16.30
3	400	400	OXB400U3X4QB	1SCA151021R1001	19.90
3	600	800	OXB600U3X4QB	1SCA151047R1001	20.12
3	800	1000	OXB800U3X4QB	1SCA153641R1001	44.50
3	1000	1250	OXB1000U3X4QB	1SCA153596R1001	44.50
3	1200	1600	OXB1200U3X4QB	1SCA153608R1001	44.50
4	30		OXB30U3S4QB	1SCA153489R1001	16.47
4	60		OXB60U3S4QB	1SCA153533R1001	16.47
4	100		OXB100U3S4QB	1SCA153383R1001	16.47
4	125		OXB125U3S4QB	1SCA153399R1001	16.47
4	160	160	OXB160U3S4QB	1SCA153415R1001	16.47
4	200	250	OXB200U3S4QB	1SCA153444R1001	16.47
4	260	400	OXB260U3S4QB	1SCA153473R1001	18.55
4	400	400	OXB400U3S4QB	1SCA151015R1001	21.98
4	600	800	OXB600U3S4QB	1SCA151041R1001	22.40
4	800	1000	OXB800U3S4QB	1SCA153635R1001	57.55
4	1000	1250	OXB1000U3S4QB	1SCA153590R1001	57.55
4	1200	1600	OXB1200U3S4QB	1SCA153602R1001	57.55

Notes: Phase barriers on the LOAD side required with 400-1200A (included in the delivery).

Ordering Information

Automatic transfer switches - UL



OXB260U3X4QT



OXB30...200U3X4QT



OXB400...600U3X4QT



OXB800...1200U3X4QT



OXB30...200U3S4QT



OXB260U3S4QT



OXB400...600U3S4QT



OXB800...1200U3S4QT

Delayed transition – Open style, Level 4 controls

I-O-II –operation with stable OFF position between positions I and II.
Delivery includes handle for manual operation, 2 m RJ45 connection cable between detachable HMI and ATS frame.
Terminal connection kits (bolts, nuts and washers) and mechanical lugs available as accessory.

Top entry - Source 1 and Source 2 connections on top, load connections on bottom

No. of poles	Rated current [A]		Type	Order number	Weight/unit
	UL	IEC			kg
3	30		OXB30U3X4QT	1SCA153496R1001	14.85
3	60		OXB60U3X4QT	1SCA153540R1001	14.85
3	100		OXB100U3X4QT	1SCA153390R1001	14.85
3	125		OXB125U3X4QT	1SCA153406R1001	14.85
3	160	160	OXB160U3X4QT	1SCA153422R1001	14.85
3	200	250	OXB200U3X4QT	1SCA153451R1001	14.85
3	260	400	OXB260U3X4QT	1SCA153480R1001	16.33
3	400	400	OXB400U3X4QT	1SCA151022R1001	19.93
3	600	800	OXB600U3X4QT	1SCA151048R1001	20.15
3	800	1000	OXB800U3X4QT	1SCA153642R1001	44.53
3	1000	1250	OXB1000U3X4QT	1SCA153597R1001	44.53
3	1200	1600	OXB1200U3X4QT	1SCA153609R1001	44.53
4	30		OXB30U3S4QT	1SCA153490R1001	16.50
4	60		OXB60U3S4QT	1SCA153534R1001	16.50
4	100		OXB100U3S4QT	1SCA153384R1001	16.50
4	125		OXB125U3S4QT	1SCA153400R1001	16.50
4	160	160	OXB160U3S4QT	1SCA153416R1001	16.50
4	200	250	OXB200U3S4QT	1SCA153445R1001	16.50
4	260	400	OXB260U3S4QT	1SCA153474R1001	18.58
4	400	400	OXB400U3S4QT	1SCA151016R1001	22.01
4	600	800	OXB600U3S4QT	1SCA151042R1001	22.43
4	800	1000	OXB800U3S4QT	1SCA153636R1001	57.58
4	1000	1250	OXB1000U3S4QT	1SCA153591R1001	57.58
4	1200	1600	OXB1200U3S4QT	1SCA153603R1001	57.58

Notes: Phase barriers on the LOAD side required with 400-1200A (included in the delivery).



Accessories

45	Auxiliary power supply module Connectivity modules Communication modules for Level 3 and Level 4 controllers
46	Signalling modules for Level 3 and Level 4 controllers Ekip Programming module
47	Ekip Com Hub Terminal shrouds Phase barriers
48	Wide blade kit HMI protective cover, IP54 Terminal connection kits
49	UL terminal lugs, mechanical
50	Auxiliary contacts

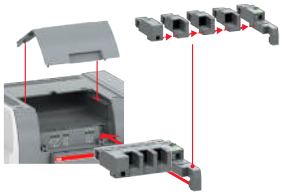
Accessories
Automatic transfer switches


OXEA1

Auxiliary power supply module

The OXEA1 auxiliary power supply module is used for: a) connecting connectivity modules (signalling and communication) to the switch b) powering the ATS controller and connectivity modules from auxiliary 12-24 Vdc power supply, to keep them operational during power failures. 12-24Vdc power supply is not required when line power is available but it is necessary to keep the modules operational during power failures.

Suitable for switches	Aux voltage	Type	Order number	Weight /unit kg
OX30...1600	12-24Vdc	OXEA1	1SCA148926R1001	0.04



Connectivity modules

The connectivity modules are used in combination with OXEA1 auxiliary power supply module to enable communication capabilities (Ekip Com modules) and increase the number of digital inputs and outputs (Ekip Signalling modules). The maximum number of additional modules depends on the TruONE switch size: IEC 200-400 Amps and UL 30-260 Amps can fit three additional modules and IEC 500-1600 Amps and UL 400-1200 Amps can fit four additional modules. These modules are available with TruONE Level 3 and Level 4 controllers.


EKIP COM

Communication modules for Level 3 and Level 4 controllers

The Ekip Com modules enable TruONE to be integrated in an industrial communication network for remote supervision and control of the switch. Several Ekip Com modules can be installed at the same time, thereby enabling connection to communication systems that use different protocols. The Ekip Com modules for Modbus RTU, Profibus-DP and DeviceNet contain a terminating resistor and dip switch for optional activation to terminate the serial network or bus. The Profibus-DP module also contains a polarization resistor and dip switch for its activation.

Suitable for switches	Protocol	Type	Order number	Weight /unit kg
OX30...1600	Modbus RTU	Ekip Com Modbus RTU-OX	1SDA104051R1	0.2
OX30...1600	Modbus TCP	Ekip Com Modbus TCP-OX	1SDA104052R1	0.2
OX30...1600	Profibus DP	Ekip Com Profibus	1SDA074152R1	0.2
OX30...1600	Profinet	Ekip Com Profinet	1SDA074153R1	0.2
OX30...1600	EtherNet/IP	Ekip Com EtherNet / IP	1SDA074155R1	0.2
OX30...1600	DeviceNet	Ekip Com DeviceNet	1SDA074154R1	0.2

Accessories

Automatic transfer switches



EKIP 2K SIGNALLING

Signalling modules for Level 3 and Level 4 controllers

The Ekip 2K Signalling modules add two input and two output contacts for controlling and remote signalling. They can be programmed with the HMI unit's display or with the Ekip Connect software. Three versions of the Ekip 2K Signalling modules are available: Ekip 2K-1, Ekip 2K-2, Ekip 2K-3. Simultaneous usage of same types is not possible. For customers who require more than 2 inputs or 2 outputs add on modules can be purchased which provide sequential labeling of the contact points. Adding 2K-2 allows for 4 inputs and 4 outputs and then adding Ekip 2K-3 allows for a total of 6 inputs and 6 outputs.

Suitable for switches	No. of DI/DO	DI/DO numbering	Type	Order number	Weight /unit kg
OX30...1600	2/2	11,12/11,12	Ekip Signalling 2K-1-OX	1SDA104053R1	0.2
OX30...1600	2/2	21,22/21,22	Ekip Signalling 2K-2-OX	1SDA104054R1	0.2
OX30...1600	2/2	31,32/31,32	Ekip Signalling 2K-3-OX	1SDA104055R1	0.2



EKIP PROGRAMMING

Ekip Programming module

The Ekip Programming module is used for programming TruONE via USB to a PC using the Ekip Connect software that can be downloaded online. It enables both online (line power available) and offline (no line power available) programming. Available for TruONE Level 2, Level 3 and Level 4 controllers.

Suitable for switches	Type	Order number	Weight /unit kg
OX30...1600	Ekip Programming	1SDA076154R1	0.2

Accessories

Automatic transfer switches



EKIP COM HUB

Ekip Com Hub

Ekip Com Hub is a communication module for cloud-based connectivity through the ABB Ability™ Energy and Asset Manager.
TruONE equipped with Ekip Com Hub can establish the connection to ABB Ability for the whole low-voltage power distribution panel. This cartridge-type communication module just needs to be inserted into TruONE and connected to the Internet.
For further information related to ABB Ability and Energy and Asset Manager, please visit the website .
Available for TruONE Level 3 and Level 4 controllers.

Suitable for switches	Type	Order number	Weight /unit kg
OX30...1600	Ekip Com Hub	1SDA082894R1	0.2

Terminal shrouds

Snap-on mounting, IP 20. A kit includes three or four shrouds that can be used on both top and bottom of the switch. Order two sets to cover both top and bottom terminals.



OXES_S



OXES_L

Suitable for switches	No. of poles	Description	Units/ type [pcs]	Type	Order number	Weight /unit kg
IEC 200-250 Amps UL 30-200 Amps	3	Short type	3	OXES250G1S/3	1SCA150193R1001	0.2
	4	Short type	4	OXES250G1S/4	1SCA150194R1001	0.3
	3	Long type	3	OXES250G1L/3	1SCA150191R1001	0.3
	4	Long type	4	OXES250G1L/4	1SCA150192R1001	0.4
IEC 315-800 Amps UL 260-600 Amps	3	Short type	3	OXES800G1S/3	1SCA150197R1001	0.3
	4	Short type	4	OXES800G1S/4	1SCA150198R1001	0.4
	3	Long type	3	OXES800G1L/3	1SCA150195R1001	0.4
	4	Long type	4	OXES800G1L/4	1SCA150196R1001	0.5
IEC 1000-1600 Amps UL 800-1200 Amps	3	Long type	3	OXES1600G1L/3	1SCA150189R1001	0.5
	4	Long type	4	OXES1600G1L/4	1SCA150190R1001	0.7

Note: Terminal shrouds cannot be used together with cUL mechanical lugs

Phase barriers



OXEB_

Grey plastic barriers for maintaining 1" clearance between the phases without terminal shrouds. Snap-on mounting. Included as standard for the LOAD side terminals with IEC 500-1600 Amps and UL 400-1200 Amps.

Suitable for switches	No. of poles	Units/type [pcs]	Type	Order number	Weight /unit kg
OX30...1600	3	4	OXEB1600/4	1SCA150201R1001	0.5
OX30...1600	4	6	OXEB1600/6	1SCA150202R1001	0.7

Note: Phase barriers cannot be used together with terminal shrouds.

Accessories

Automatic transfer switches



OXEW1600_

Wide blade kit

This is required for IEC 1000-1600 A and UL 800-1200 A switches on the LOAD side terminals, when wiring is done with four cables and using mechanical compression lugs.

Suitable for switches	No. of poles	Units/type [pcs]	Type	Order number	Weight /unit kg
IEC 1000-1600 Amps UL 800-1200 Amps	3	6	OXEW1600/3	1SCA150204R1001	1.38
	4	8	OXEW1600/4	1SCA150205R1001	1.83



OXEC21



OXEC22

HMI protective cover, IP54

IP54 padlockable transparent cover, providing protection against accidental contact.
OXEC21 is used when HMI is detached from the switch frame and mounted to door.
OXEC22 is used when HMI is mounted to switch frame, to cover both HMI and manual handle.

Suitable for switches	Type	Order number		Weight /unit kg
OX30...1600	OXEC21	1SCA147308R1001		0.18
OX30...1600	OXEC22	1SCA156710R1001		0.3



OZXE51/3E,
OZXE54/3E



OZXE3/3E

Terminal connection kits

Factory recommended: terminal connection kits with bolts, washers and nuts used for connecting the cables/bus bars to the switch terminals.
For IEC 200-800 Amps, UL 30-600 Amps, order 1 x kit with 2-pole switches and 2 x kits with 3- and 4-pole switches.
For IEC 1000-1600 Amps, UL 800-1200 Amps, order 3 x kits with 3-pole switches and 4 x kits with 4-pole switches

Suitable for switches	Screws /type [pcs]	Type	Order number	Weight /unit kg
IEC 200-250 Amps UL 30-200 Amps	6	OZXE51/3E	1SCA126307R1001	0.17
IEC 315-800 Amps UL 260-600 Amps	6	OZXE54/3E	1SCA126309R1001	0.32
IEC 1000-1600 Amps UL 800-1200 Amps	6	OZXE3/3E	1SCA126305R1001	0.62

Accessories

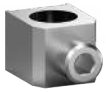
Automatic transfer switches


OZXA-25


OZXA-26


OZXA-100


OZXA-200


OZXA-400


OZXA-24


OZXA-30


OZXA-800E


OZXA-800L


OZXA-800S


OZXA-1200

cUL terminal lugs, mechanical

Type	Cable range	No. cables per lug	Kit part numbers			
			2 pieces	3 pieces	4 pieces	6 pieces
OZXA-100	14 - 2/0 AWG	1		OZXA-100/3P	OZXA-100/4P	OZXA-100
OZXA-24	14 - 2/0 AWG	1	OZXA-24/2P	OZXA-24/3P	OZXA-24/4P	OZXA-24
OZXA-200	4 AWG - 300 kcmil	1		OZXA-200/3	OZXA-200/4	OZXA-200
OZXA-25	6 AWG - 300 kcmil	1	OZXA-25/2P	OZXA-25/3P	OZXA-25/4P	OZXA-25
OZXA-400	2 AWG - 600 kcmil	1		OZXA-400/3	OZXA-400/4	OZXA-400
OZXA-26	2 AWG - 600 kcmil	1	OZXA-26/2P	OZXA-26/3P	OZXA-26/4P	OZXA-26
OZXA-412	1x 4 AWG - 600 MCM or 2x 1/0 AWG - 250 MCM	1 or 2			OZXA-412/4P	OZXA-412
OZXA-412L	1x 4 AWG - 600 MCM or 2x 1/0 AWG - 250 MCM	1 or 2	OZXA-412L/2P	OZXA-412L/3P	OZXA-412L/4P	
OZXA-800E	2 AWG - 600 kcmil	2		OZXA-800E/3P	OZXA-800E/4P	OZXA-800E
OZXA-800S	2 AWG - 600 kcmil	2		OZXA-800S/3P	OZXA-800S/4P	OZXA-800S
OZXA-800L	2 AWG - 600 kcmil	2	OZXA-800L/2	OZXA-800L/3	OZXA-800L/4	OZXA-800L
OZXA-30	2 AWG - 600 kcmil	2		OZXA-30/3P	OZXA-30/4P	OZXA-30
OZXA-1200	2 AWG - 600 kcmil	4		OZXA-1200/3	OZXA-1200/4	OZXA-1200

Notes:
OZXA-26 copper cable only
cUL lugs are available from ABB USA

How to select mechanical terminal lugs

Suitable for UL switches	No. of poles	Lug kit application		
		Source S2	Load	Source S1
OX30...100	2	OZXA-100/4P		OZXA-24/2P
OX30...200	2	OZXA-200/4[1]		OZXA-25/2P
OX260...400	2	OZXA-400/4[1]		OZXA-26/2P
OX260...400	2	OZXA-412/4p[1]		OZXA-412L/2P
OX600	2	OZXA-800E/4P[1]		OZXA-800L/2
OX30...100	3	OZXA-100		OZXA-24/3P
OX30...200	3	OZXA-200[1]		OZXA-25/3P
OX260...400	3	OZXA-400[1]		OZXA-26/3P
OX260...400	3	OZXA-412[1]		OZXA-412L/3P
OX600	3	OZXA-800E[1]		OZXA-800L/3
OX800	3	OZXA-800S[1]		OZXA-30/3P
OX1000...1200	3	OZXA-800S[2]	OZXA-1200[3]	
OX30...100	4	OZXA-100/4P	OZXA-100/4P	OZXA-24/4P
OX30...200	4	OZXA-200/4	OZXA-200/4	OZXA-25/4P
OX260...400	4	OZXA-400/4	OZXA-400/4	OZXA-26/4P
OX260...400	4	OZXA-412/4P	OZXA-412/4P	OZXA-412L/4P
OX600	4	OZXA-800E/4P	OZXA-800E/4P	OZXA-800L/4
OX800	4	OZXA-800S/4P	OZXA-800S/4P	OZXA-30/4P
OX1000...1200	4	2 x OZXA-800S/4P[2]	OZXA-1200/4	OZXA-1200/4

[1] One complete kit contains enough pieces for both Source S2 and Load terminals
[2] Apply 2 pieces to Source S2 terminal of each pole
[3] One complete kit contains enough pieces for both Load and Source S1 terminals

Accessories

Automatic transfer switches



OA1G01AU

Auxiliary contacts

Mounting on the right side of the switch: Max. 4 auxiliary contact blocks / Source 1 and Source 2 position indication (totally 8 blocks). Types _AU have gold plated contacts for harsh environments and low operating voltages. Simultaneous action with the main contacts, IP20. The type and ordering numbers are for one piece.

Suitable for switches	Contact functions	Installation side	Delivery batch [pcs]	Type	Order number	Weight /unit kg
OX30...1600	1NO	Right	10	OA1G10	1SCA022353R4970	0.03
OX30...1600	1NC	Right	10	OA3G01	1SCA022456R7410	0.03
OX30...1600	1NO	Right	10	OA1G10AU	1SCA022436R7910	0.03
OX30...1600	1NC	Right	10	OA3G01AU	1SCA022819R5260	0.03



OA1G10

Auxiliary contacts

Technical data for auxiliary contacts according to IEC 60947-5-1, for OA1G_, OA3G_

AC15		DC12			DC13	
Ue/[V]	Ie/[A]	Ue/[V]	Ie/[A]	P/[W]	Ie/[A]	P/[W]
230	6	24	10	240	2	50
400	4	72	4	290	0.8	60
415	4	125	2	250	0.55	70
690	2	250	0.55	140	0.27	70
		440	0.1	44		



OA3G01

For OA1G_, OA3G_

U_i	690 V
U_{imp}	4 kV
Pollution degree	3
I_{th}	16 A
Cable size	1...2 x 0.75...2.5 mm²
Maximum fuse	16 A / gG
NEMA	A600, R300, wire size: 18 - 14 AWG, 1(2)



OA3G01AU

Auxiliary contacts

Function table for auxiliary contacts / Source 1 position (max. 2+2)

Switch position	Main contacts	OA1G10 NO	OA3G01 NC
I	closed	closed	open
0	open	open	closed
II	closed	open	closed

Function table for auxiliary contacts / Source 2 position (max. 2+2)

Switch position	Main contacts	OA1G10 NO	OA3G01 NC
I	closed	open	closed
0	open	open	closed
II	closed	closed	open



Technical data

53–54	Technical data IEC Open style
55–57	Technical data UL Open style
58–59	Wiring diagrams (OXA, OXB)

Technical data - IEC

TruONE ATS OX200…1600E, open style

General performance

				Switch size				
Data according to IEC 60947-6-1 (Class PC equipment)				**OX200**	**OX250**	**OX315**	**OX400**	**OX500**
Rated insulation voltage, Ui (power circuit)			V	1 000				
Rated insulation voltage, Ui (electronics)			V	500				
Rated frequency, f			Hz	50 - 60				
Rated impulse withstand voltage, Uimp (power circuit)			kV	8		12		
Rated impulse withstand voltage, Uimp (electronics)			kV	6				
Conventional free air thermal current, Ith	/ ambient 40°C		A	200	250	315	400	500
Conventional enclosed thermal current, Ithe	/ ambient 40°C		A	200	250	315	400	500
Minimum enclosure size or equivalent volume		W x H x D	mm	600 x 800 x 300				
Contact transfer time I-II, II-I	Load interrupting time		ms	<50				
Operating transfer time I-II, II-I			ms	<500				
ATS current draw during transfer / time duration			A / ms	37 /<110				40 / <130
Mechanical endurance	No. of operating cycles[3]			6012	6012	4012	4012	3012
Power loss / pole			W	5.8	9.7	12.1	20.3	17.2
Overvoltage category				III				
Pollution degree (control circuit)				PD 3 up to 415 V / PD 2 up to 500 V				
Environment category				E				
Minimum conductor cross section	Cu		mm^2	95	120	185	240	2x150
Terminal bolt size	Metric thread diameter x length		mm	M8 × 25	M8 × 25	M10 × 30	M10 × 30	M12 × 40
Terminal tightening torque	Counter torque required		Nm	15...22	15...22	30...44	30...44	50...75
Weight without accessories	2-pole switch		kg	12.4	12.4	13.3	13.3	16.9
	3-pole switch		kg	14	14	15.4	15.4	19.1
	4-pole switch		kg	15.6	15.6	17.5	17.5	21.4
Suitable for applications				Transformer - Transformer, Transformer - Generator[4]				

2 pole construction - Operating performance and short-circuit capability

				Switch size				
Data according to IEC 60947-6-1 (Class PC equipment)				**OX200**	**OX250**	**OX315**	**OX400**	**OX500**
Rated operational voltage, U			Vac	200 - 240				
Operating voltage range, U			Vac	160 - 288				
Rated operational current, AC-31B		up to 240 V	A	200	250	315	400	500
Rated operational current, AC-33B		up to 240 V	A	200	250	315	400	500[1]
Rated breaking capacity in category AC-33		up to 240 V	A	2000	2500	3150	4000	5000[1]
Rated conditional short-circuit current Iq (r.m.s.) and corresponding protective devices (fuse or circuit breaker)[7]	Iq (r.m.s.) 100 kA, 240 V	$\hat{i}_c$ (peak)[5]	kA	39	39	56	56	90
	Max. OFA_ fuse size	gG/aM	A/A	315	315	500	500	1000
	Iq (r.m.s.) 50 kA, 240 V							
	ABB circuit breaker type			T5L630	T5L630	T5L630	T5L630	T6L1000
Rated short-time withstand current	Icw (r.m.s.)	240 V 0.1s	kA	12	12	18	18	18
	Icw (r.m.s.)	240 V 0.3s	kA	12	12	18	18	18
	Icw (r.m.s.)	240 V 0.5s	kA					18
Rated short-time making capacity[2]	Icm peak	240 V	kA	24	24	36	36	36

3 and 4 pole construction - Operating performance and short-circuit capability

				Switch size				
Data according to IEC 60947-6-1 (Class PC equipment)				**OX200**	**OX250**	**OX315**	**OX400**	**OX500**
Rated operational voltage, U			Vac	200 - 415				
Operating voltage range, U			Vac	160 - 576				
Rated operational current, AC-31B		up to 415 V	A	200	250	315	400	500
Rated operational current, AC-32B		up to 415 V	A	200	250	315	400	500
Rated operational current, AC-33B		up to 415 V	A	200	250	315	400	500
Rated breaking capacity in category AC-33		up to 415 V	A	2000	2500	3150	4000	5000
Rated operational current, AC-33iA[6]		up to 415 V	A	125	125	250	250	500
Rated conditional short-circuit current Iq (r.m.s.) and corresponding protective devices (fuse or circuit breaker)[7]	Iq (r.m.s.) 100 kA, 500 V	$\hat{i}_c$ (peak)[5]	kA	49	49	69	69	90
	Max. OFA_ fuse size	gG/aM	A/A	400 / 400	400 / 400	630 / 630	630 / 630	1000 / 1000
	Iq (r.m.s.) 50 kA, 500 V							
	ABB circuit breaker type			T5L630	T5L630	T6L630	T6L630	T6L1000
	Iq (r.m.s.) 85 kA, 500 V							
	ABB circuit breaker type							
Rated short-time withstand current	Icw (r.m.s.)	415 V 0.1s	kA	18	18	25	25	42
	Icw (r.m.s.)	415 V 0.3s	kA	18	18	25	25	30
	Icw (r.m.s.)	415 V 0.5s	kA					30
Rated short-time making capacity[2]	Icm peak	415 V	kA	36	36	52.5	52.5	89

[1] OX_B bottom entry versions only
[2] Short circuit duration > 50ms, without fuse protection
[3] Operating cycle: O - I - O - II - O
[4] Contact ABB for applications with smaller than 20kVA gensets
[5] Cut-off current îc (peak) value. The cut-off current îc refers to values listed by fuse manufacturers (single phase test acc. to IEC60269).
[6] AC-33iA according to GB/T 14048.11
[7] Latest coordination tables ABB SOC tool: https://www.lowvoltage-tools.abb.com/soc/

Technical data - IEC

TruONE ATS OX200…1600E, open style

General performance

				Switch size				
Data according to IEC 60947-6-1 (Class PC equipment)				**OX630**	**OX800**	**OX1000**	**OX1250**	**OX1600**
Rated insulation voltage, Ui (power circuit)			V	1 000				
Rated insulation voltage, Ui (electronics)			V	500				
Rated frequency, f			Hz	50 - 60				
Rated impulse withstand voltage, Uimp (power circuit)			kV	12				
Rated impulse withstand voltage, Uimp (electronics)			kV	6				
Conventional free air thermal current, Ith	/ ambient 40°C		A	630	800	1000	1250	1600
Conventional enclosed thermal current, Ithe	/ ambient 40°C		A	630	800	1000	1250	
Minimum enclosure size or equivalent volume		W x H x D	mm	600 x 800 x 300		800 x 1000 x 300		
Contact transfer time I-II, II-I	Load interrupting time		ms	<50				
Operating transfer time I-II, II-I			ms	<500				
ATS current draw during transfer / time duration			A / ms	40 / <130				
Mechanical endurance	No. of operating cycles[3]			3012	3012	3012	3012	3012
Power loss / pole			W	28	47	14	26	49
Overvoltage category				III				
Pollution degree (control circuit)				PD 3 up to 415 V / PD 2 up to 500 V				
Environment category				E				
Minimum conductor cross section	Cu		mm^2	2 × 185	2 × 240	3x185	3x240	4x240
Terminal bolt size	Metric thread diameter x length		mm	M12 × 40	M12 × 40	M12 × 40	M12 × 40	M12 × 40
Terminal tightening torque	Counter torque required		Nm	50...75	50...75	50...75	50...75	50...75
Weight without accessories	2-pole switch		kg	16.9	16.9			
	3-pole switch		kg	19.1	19.1	31.1	31.1	31.1
	4-pole switch		kg	21.4	21.4	37.1	37.1	37.1
Suitable for applications				Transformer - Transformer, Transformer - Generator[4]				

2 pole construction - Operating performance and short-circuit capability

				Switch size	
Data according to IEC 60947-6-1 (Class PC equipment)				**OX630**	**OX800**
Rated operational voltage, U			Vac	200 - 240	
Operating voltage range, U			Vac	160 - 288	
Rated operational current, AC-31B		up to 240 V	A	630	800
Rated operational current, AC-33B		up to 240 V	A	630[1]	800[1]
Rated breaking capacity in category AC-33		up to 240 V	A	6300[1]	8000[1]
Rated conditional short-circuit current Iq (r.m.s.) and corresponding protective devices (fuse or circuit breaker)[8]	Iq (r.m.s.) 100 kA, 240 V	$\hat{i}_c$ (peak)[5]	kA	90	90
	Max. OFA_ fuse size	gG/aM	A/A	1000	1000
	Iq (r.m.s.) 50 kA, 240 V				
	ABB circuit breaker type			T6L1000	T6L1000
Rated short-time withstand current	Icw (r.m.s.)	240 V 0.1s	kA	18	18
	Icw (r.m.s.)	240 V 0.3s	kA	18	18
	Icw (r.m.s.)	240 V 0.5s	kA	18	18
Rated short-time making capacity[2]	Icm peak	240 V	kA	36	36

3 and 4 pole construction - Operating performance and short-circuit capability

				Switch size				
Data according to IEC 60947-6-1 (Class PC equipment)				**OX630**	**OX800**	**OX1000**	**OX1250**	**OX1600**
Rated operational voltage, U			Vac	200 - 415				
Operating voltage range, U			Vac	160 - 576				
Rated operational current, AC-31B		up to 415 V	A	630	800	1000	1250	1600
Rated operational current, AC-32B		up to 415 V	A	630	800/720[7]	1000	1250	1500/1250[7]
Rated operational current, AC-33B		up to 415 V	A	630	800/720[7]	1000	1250	1250
Rated breaking capacity in category AC-33		up to 415 V	A	6300	8000/7200[7]	10000	12500	12500
Rated operational current, AC-33iA[6]		up to 415 V	A	630	630	1000	1250	1250
Rated conditional short-circuit current Iq (r.m.s.) and corresponding protective devices (fuse or circuit breaker)[8]	Iq (r.m.s.) 100 kA, 500 V	$\hat{i}_c$ (peak)[5]	kA	90	90	95	95	95
	Max. OFA_ fuse size	gG/aM	A/A	1000 / 1000	1000 / 1000	1600 / 1250	1600 / 1250	1600 / 1250
	Iq (r.m.s.) 50 kA, 500 V							
	ABB circuit breaker type			T6L1000	T6L1000			
	Iq (r.m.s.) 85 kA, 500 V							
	ABB circuit breaker type					T7L1600	T7L1600	T7L1600
Rated short-time withstand current	Icw (r.m.s.)	415 V 0.1s	kA	42	42	65	65	65
	Icw (r.m.s.)	415 V 0.3s	kA	30	30	50	50	50
	Icw (r.m.s.)	415 V 0.5s	kA	30	30	50	50	50
Rated short-time making capacity[2]	Icm peak	415 V	kA	89	89	105	105	105

[1] OX_B bottom entry versions only
[2] Short circuit duration > 50ms, without fuse protection
[3] Operating cycle: O - I - O - II - O
[4] Contact ABB for applications with smaller than 20kVA gensets
[5] Cut-off current îc (peak) value. The cut-off current îc refers to values listed by fuse manufacturers (single phase test acc. to IEC60269).
[6] AC-33iA according to GB/T 14048.11
[7] OX_B bottom entry type rating / OX_T top entry type rating
[8] Latest coordination tables ABB SOC tool: https://www.lowvoltage-tools.abb.com/soc/

Technical data - UL

TruONE ATS OX30…1200U, open style

2 pole construction - Operating performance and short-circuit capability

				Switch size					
Data according to UL1008				**OX30**	**OX60**	**OX100**	**OX125**	**OX160**	**OX200**
Rated operational voltage			Vac	200 - 240					
Operating voltage range			Vac	160 - 288					
Rated frequency			Hz	50-60					
Emergency systems - Motor loads or total system			A	30	60	100	125	160	200
Optional standby systems - Motor loads or total system			A	30	60	100	125	160	200
Minimum enclosure size or equivalent volume	W x H x D		mm	610 x 813 x 305					
Short-circuit withstand/closing and short-time current ratings			kA	See table A					
Contact transfer time I-II, II-I	Load interrupting time		ms	<50					
Operating transfer time I-II, II-I			ms	<500					
ATS current draw during transfer / time duration			A / ms	37 / <110					
Mechanical endurance	No. of operating cycles			6050	6050	6050	6050	6050	6050
Power loss / pole			W					3.6	5.8
Weight without accessories	2-pole switch		kg	12.4	12.4	12.4	12.4	12.4	12.4
Suitable for applications				Transformer - Transformer, Transformer - Generator[1]					
Data according to IEC60947-6-1									
Rated operational current, AC-31B		up to 240 V	A					160	250
Rated operational current, AC-33B		up to 240 V	A					160	250
Rated breaking capacity in category AC-33		up to 240 V	A					1600	2500
Minimum enclosure size or equivalent volume	W x H x D		mm	600 x 800 x 300					
Rated conditional short-circuit current Iq (r.m.s.) and corresponding protective devices (fuse or circuit breaker)[5]	Iq (r.m.s.) 100 kA, 240 V	$\hat{i}_c$ (peak) [4]	kA					39	39
	Max. OFA_ fuse size	gG/aM	A/A					315	315
	Iq (r.m.s.) 50 kA, 240 V								
	ABB circuit breaker type							T5L630	T5L630
Rated short-time withstand current	Icw (r.m.s.)	240 V 0.1s	kA					12	12
	Icw (r.m.s.)	240 V 0.3s	kA					12	12
	Icw (r.m.s.)	240 V 0.5s	kA						
Rated short-time making capacity[3]	Icm peak	240 V	kA					24	24

3 and 4 pole construction - Operating performance and short-circuit capability

				Switch size					
Data according to UL1008				**OX30**	**OX60**	**OX100**	**OX125**	**OX160**	**OX200**
Rated operational voltage			Vac	200 - 480					
Operating voltage range			Vac	160 - 576					
Rated frequency			Hz	50-60					
Emergency systems - Motor loads or total system			A	30	60	100	125	160	200
Optional standby systems - Motor loads or total system			A	30	60	100	125	160	200
Minimum enclosure size or equivalent volume	W x H x D		mm	600 x 800 x 300					
Short-circuit withstand/closing and short-time current ratings			kA	See table B					
Contact transfer time I-II, II-I	Load interrupting time		ms	<50					
Operating transfer time I-II, II-I			ms	<500					
ATS current draw during transfer / time duration			A / ms	37 / <110					
Mechanical endurance	No. of operating cycles			6050	6050	6050	6050	6050	6050
Power loss / pole			W					3.6	5.8
Weight without accessories	3-pole switch		kg	14	14	14	14	14	14
	4-pole switch		kg	15.6	15.6	15.6	15.6	15.6	15.6
Suitable for applications				Transformer - Transformer, Transformer - Generator[1]					
Data according to IEC60947-6-1									
Rated operational current, AC-31B		up to 240 V	A					160	250
Rated operational current, AC-32B		up to 240 V	A					160	250
Rated operational current, AC-33B		up to 240 V	A					160	250
Rated breaking capacity in category AC-33		up to 240 V	A					1600	2500
Rated operational current, AC-33iA		up to 415 V	A					125	125
Rated operational current, AC-33A[6]		up to 415 V	A					125[6]	125[6]
Rated conditional short-circuit current Iq (r.m.s.) and corresponding protective devices (fuse or circuit breaker)[5]	Iq (r.m.s.) 100 kA, 500 V	$\hat{i}_c$ (peak) [4]	kA					49	49
	Max. OFA_ fuse size	gG/aM	A/A					400 / 400	400 / 400
	Iq (r.m.s.) 50 kA, 500 V								
	ABB circuit breaker type							T5L630	T5L630
Rated short-time withstand current	Icw (r.m.s.)	415 V 0.1s	kA					18	18
	Icw (r.m.s.)	415 V 0.3s	kA					18	18
	Icw (r.m.s.)	415 V 0.5s	kA						
Rated short-time making capacity[3]	Icm peak	415 V	kA					36	36

[1] Contact ABB for applications with smaller than 20kVA gensets
[3] Short circuit duration > 50ms, without fuse protection
[4] Cut-off current îc (peak) value. The cut-off current îc refers to values listed by fuse manufacturers (single phase test acc. to IEC60269).
[5] Latest coordination tables ABB SOC tool: https://www.lowvoltage-tools.abb.com/soc/
[6] OX_B bottom versions only

Technical data - UL

TruONE ATS OX30…1200U, open style

2 pole construction - Operating performance and short-circuit capability

				Switch size		
Data according to UL1008				**OX260**	**OX400**	**OX600**
Rated operational voltage			Vac	200 - 240		
Operating voltage range			Vac	160 - 288		
Rated frequency			Hz	50-60		
Emergency systems - Motor loads or total system			A	260	400	600
Optional standby systems - Motor loads or total system			A	260	400	600
Minimum enclosure size or equivalent volume	W x H x D		mm	610 x 1168 x 356		711 x 1372 x 495
Short-circuit withstand/closing and short-time current ratings			kA	See table A		
Contact transfer time I-II, II-I	Load interrupting time		ms	<50		
Operating transfer time I-II, II-I			ms	<500		
ATS current draw during transfer / time duration			A / ms	37 / <110	40 / <130	
Mechanical endurance	No. of operating cycles			6050	4050	3050
Power loss / pole			W	8	20.3	25
Weight without accessories	2-pole switch		kg	13.3	16.9	16.9
Suitable for applications				Transformer - Transformer, Transformer - Generator[1]		
Data according to IEC60947-6-1						
Rated operational current, AC-31B		up to 240 V	A	400	400	800
Rated operational current, AC-33B		up to 240 V	A	400	400	800[2]
Rated breaking capacity in category AC-33		up to 240 V	A	4000	4000	8000[2]
Rated conditional short-circuit current Iq (r.m.s.) and corresponding protective devices (fuse or circuit breaker)[6]	Iq (r.m.s.) 100 kA, 240 V	$\hat{i}_c$ (peak) [4]	kA	56	65	90
	Max. OFA_ fuse size	gG type	A/A	500	630	1000
	Iq (r.m.s.) 50 kA, 240 V					
	ABB circuit breaker type			T5L630	T6L630	T6L1000
Rated short-time withstand current	Icw (r.m.s.)	240 V 0.1s	kA	18	18	18
	Icw (r.m.s.)	240 V 0.3s	kA	18	18	18
	Icw (r.m.s.)	240 V 0.5s	kA			18
Rated short-time making capacity[3]	Icm peak	240 V	kA	36	36	36

3 and 4 pole construction - Operating performance and short-circuit capability

				Switch size					
Data according to UL1008				**OX260**	**OX400**	**OX600**	**OX800**	**OX1000**	**OX1200**
Rated operational voltage			Vac	200 - 480					
Operating voltage range			Vac	160 - 576					
Rated frequency			Hz	50-60					
Emergency systems - Motor loads or total system			A	260	400	600	800	1000	1200
Optional standby systems - Motor loads or total system			A	260	400	600	800	1000	1200
Minimum enclosure size or equivalent volume	W x H x D		mm	600 x 800 x 300			800 x 1000 x 300		
Short-circuit withstand/closing and short-time current ratings			kA	See table B					
Contact transfer time I-II, II-I	Load interrupting time		ms	<50					
Operating transfer time I-II, II-I			ms	<500					
ATS current draw during transfer / time duration			A / ms	37 / <110	40 / <130				
Mechanical endurance	No. of operating cycles			6050	4050	3050	3050	3050	3050
Weight without accessories	3-pole switch		kg	15.4	19.1	19.1	31.1	31.1	31.1
	4-pole switch		kg	17.5	21.4	21.4	37.1	37.1	37.1
Power loss / pole			W	8	20.3	25	8	14	23
Suitable for applications				Transformer - Transformer, Transformer - Generator[1]					
Data according to IEC60947-6-1									
Rated operational current, AC-31B		up to 415 V	A	400	400	800	1000	1250	1600
Rated operational current, AC-32B		up to 415 V	A	400	400	800/720[5]	1000	1250	1600/1250[5]
Rated operational current, AC-33B		up to 415 V	A	400	400	800/720[5]	1000	1250	1250
Rated breaking capacity in category AC-33		up to 415 V	A	4000	4000	8000/7200[5]	10000	12500	1250
Rated operational current, AC-33iA		up to 415 V	A	250	250	630	1000	1250	1250
Rated operational current, AC-33A[7]		up to 415 V	A	160[7]	160[7]	315[7]	630[7]	800[7]	800[7]
Rated conditional short-circuit current Iq (r.m.s.) and corresponding protective devices (fuse or circuit breaker)[6]	Iq (r.m.s.) 100 kA, 500 V	$\hat{i}c$ (peak) [4]	kA	69	76	90	95	95	95
	Max. OFA_ fuse size	gG/aM	A/A	630 / 630	800/800	1000 / 1000	1600 / 1250	1600 / 1250	1600 / 1250
	Iq (r.m.s.) 50 kA, 500 V								
	ABB circuit breaker type			T6L630	T6L630	T6L1000			
	Iq (r.m.s.) 85 kA, 500 V								
	ABB circuit breaker type						T7L1600	T7L1600	T7L1600
Rated short-time withstand current	Icw (r.m.s.)	415 V 0.1s	kA	25	30	42	65	65	65
	Icw (r.m.s.)	415 V 0.3s	kA	25	30	30	50	50	50
	Icw (r.m.s.)	415 V 0.5s	kA			30	50	50	50
Rated short-time making capacity[3]	Icm peak	415 V	kA	52.5	89	89	105	105	105

[1] Contact ABB for applications with smaller than 20 kVA gensets
[2] OX_B bottom entry versions only
[3] Short circuit duration > 50ms, without fuse protection
[4] Cut-off current $\hat{i}c$ (peak) value. The cut-off current $\hat{i}c$ refers to values listed by fuse manufacturers (single phase test acc. to IEC60269)
[5] OX_B bottom entry type rating / OX_T top entry type rating
[6] Latest coordination tables ABB SOC tool: https://www.lowvoltage-tools.abb.com/soc/
[7] OX_B bottom versions only

Technical data - UL

TruONE ATS OX30…1200U, open style

Table A: UL1008 Short-circuit withstand/closing and short-time current ratings

2 pole construction

Switch rating (A)	Maximum voltage (V)	Maximum coordinated breaker rating (A)	Breaker mfg	Max breaker size (A)	Breaker type	Current limiting fuse rating (A)	Max fuse size (A)
30 60 100 125 160 200	240	30,000	ABB	250 250	T4H, T4L, T4V XT4H, XT4L, XT4V	100,000 Class J	200
260	240	50,000	ABB	600	T5H, T5L, T5V	100,000 Class J	400
400	240	50,000	ABB	600	T5H, T5L, T5V	100,000 Class J	400
600	240	50,000	ABB	600	T6S800	100,000 Class L	600

Table B: UL1008 Short-circuit withstand/closing and short-time current ratings

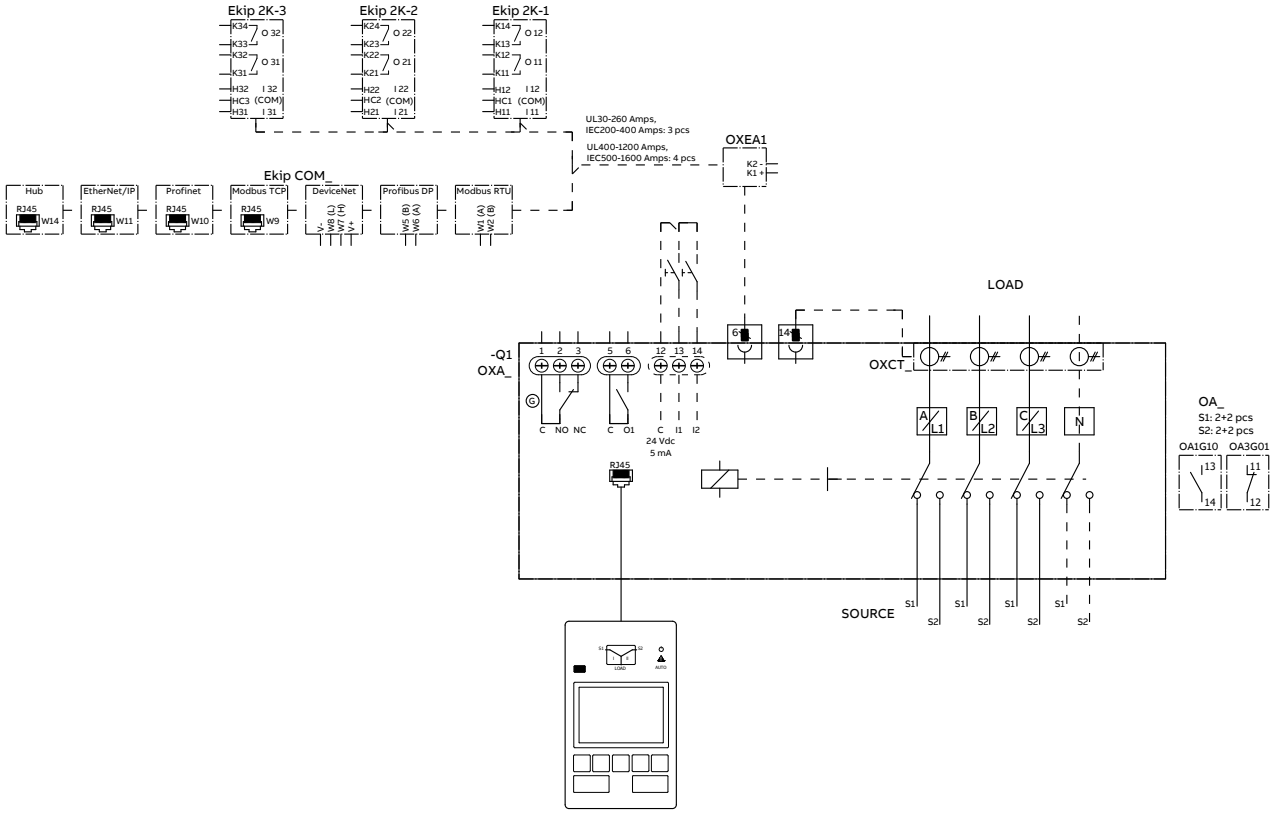
3 and 4 pole construction

Switch rating (A)	UL short-time rating (STR) & time [1] (s)	Time based WCR rating (A) & Time [1] [2] (s)	Maximum voltage (V)	Maximum coordinated breaker rating (A)	Breaker mfg	Max breaker size (A)	Breaker type	Current limiting fuse rating (A)	Max fuse size (A)
30 60 100 125 160 200	18 0.300 sec	18 0.100 sec	480	50,000	ABB	125 250 250	XT2H125 T4H250 XT4H250	200,000 Class J	200
260	25 0.300 sec	25 0.100 sec	480	50,000	ABB	600	T5H600	200,000 Class J	400
400	30 0.250 sec	30 0.100 sec	480	50,000	ABB	600	T5H600	200,000 Class J	600
600	42 0.100 sec 30 0.500 sec	42 0.100 sec	480	50,000	ABB	800	T6S800	200,000 Class L	800
800 1000 1200	65 0.100 sec 50 0.500 sec	65 0.100 sec	480	85,000	ABB	1200	T7L1200	200,000 Class L	1200

[1] This rating is available only with the TruONE UL Level 4 versions
[2] Time-based ratings are also known as any-breaker ratings
[3] More data available on TruONE WCR document 9AKK108467A4312

Wiring diagram

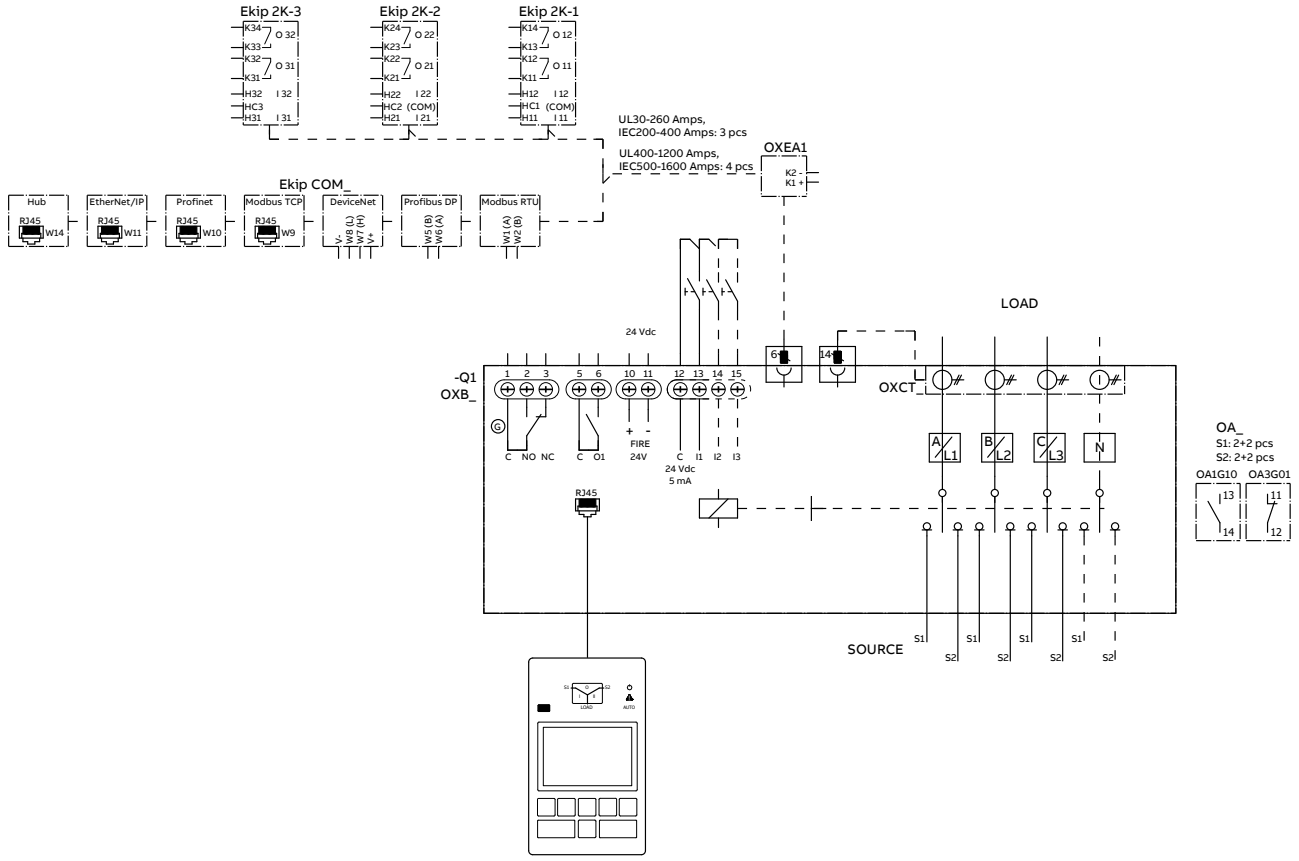
TruONE ATS, open transition (types OXA_)



Note: The number of I/O and optional Ekip Com modules vary from one TruONE type to another. Refer to TruONE feature comparison and accessory pages for more details.

Wiring diagram

TruONE ATS, delayed transition (types OXB_)



Note: The number of I/O and optional Ekip Com modules vary from one TruONE type to another. Refer to TruONE feature comparison and accessory pages for more details.



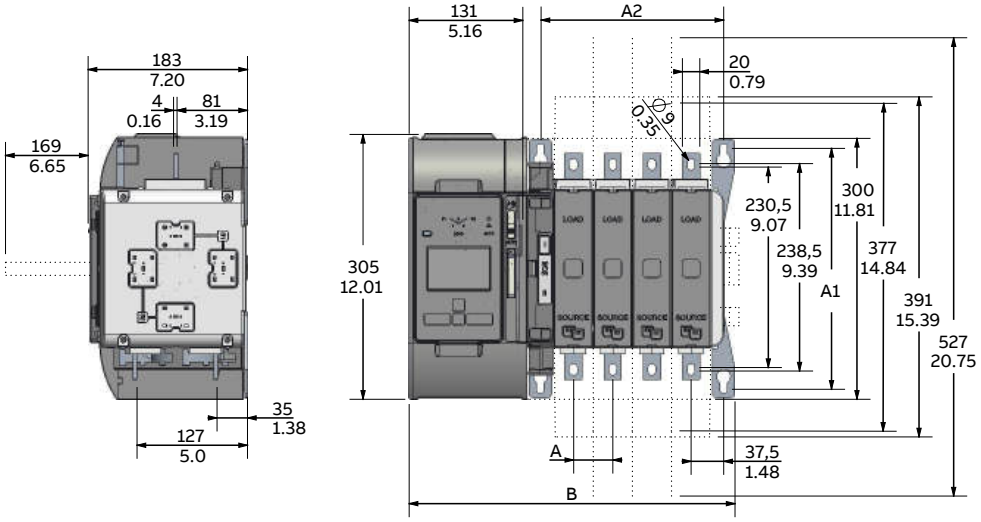
Dimension drawings

62	UL: 30U, 60U, 100U, 125U, 160U, 200U IEC: 200E, 250E
63	UL: 260U IEC: 315E, 400E
64	UL: 400U
65	UL: 600U IEC: 500E, 630E, 800E
66	UL: 800U, 1000U, 1200U IEC: 1000E, 1250E, 1600E

Dimension drawings

Automatic transfer switches

UL: 30U, 60U, 100U, 125U, 160U, 200U
IEC: 200E, 250E



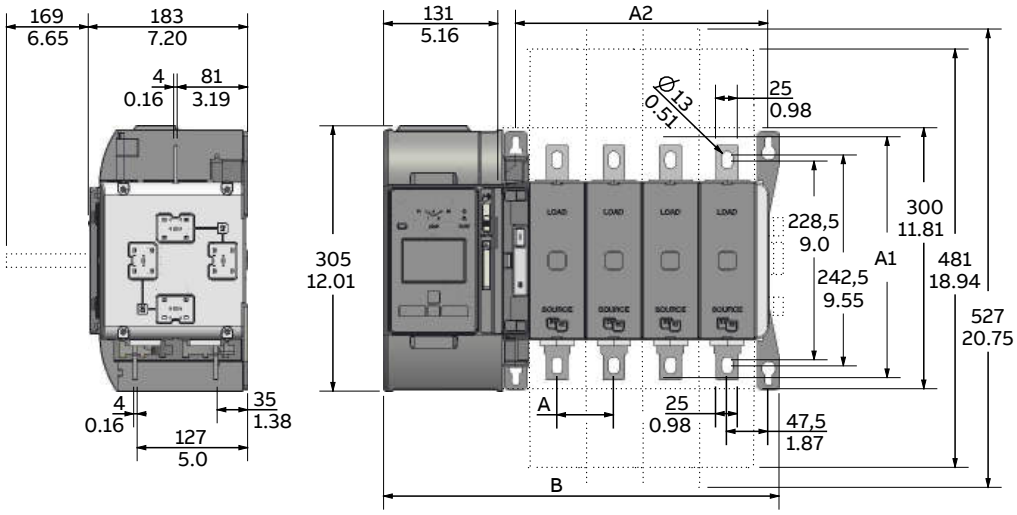
OX_30-250			
No. of poles	**2**	**3**	**4**
A	45/1.77	45/1.77	45/1.77
A1	277/10.91	277/10.91	277/10.91
A2	120/4.72	165/6.50	210/8.27
B	285/11.22	330/12.99	375/14.76

Note: B dimension, recommended to leave 2cm/1" free space on the left side (for removing the mechanism)

Dimension drawings

Automatic transfer switches

UL: 260U
IEC: 315E, 400E



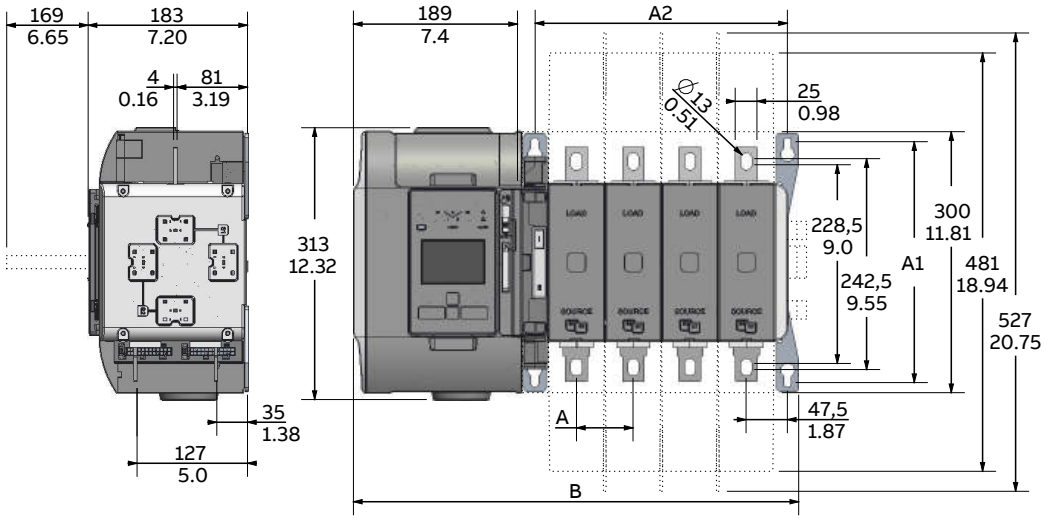
OX_260_400			
No. of poles	**2**	**3**	**4**
A	65/2.56	65/2.56	65/2.56
A1	277/10.91	277/10.91	277/10.91
A2	160/6.30	225/8.86	290/11.42
B	325/12.80	390/15.35	455/17.91

Note: B dimension, recommended to leave 2cm/1" free space on the left side (for removing the mechanism)

Dimension drawings

Automatic transfer switches

UL: 400U



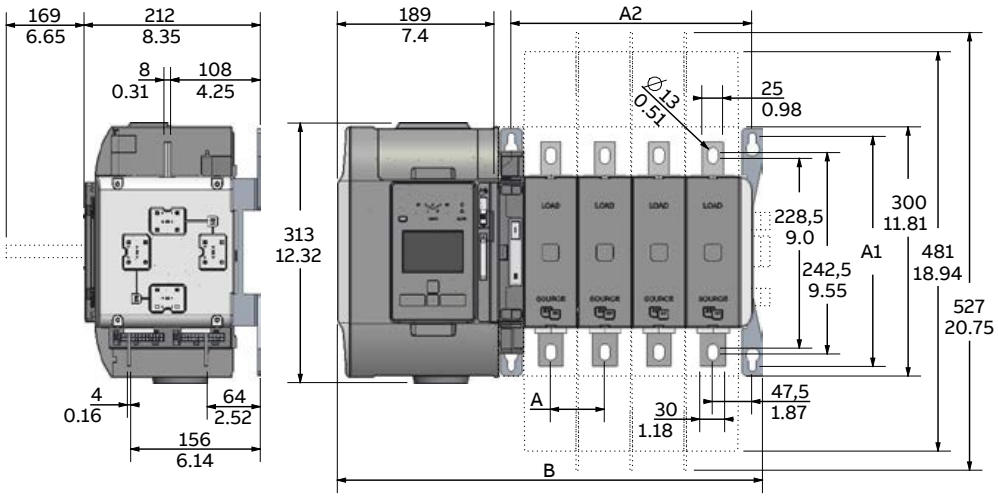
UL: 400U			
No. of poles	**2**	**3**	**4**
A	65/2.56	65/2.56	65/2.56
A1	277/10.91	277/10.91	277/10.91
A2	160/6.30	225/8.86	290/11.42
B	382/15.04	447/17.60	512/20.16

Note: B dimension, recommended to leave 2cm/1" free space on the left side (for removing the mechanism)

Dimension drawings

Automatic transfer switches

UL: 600U
IEC: 500E, 630E, 800E



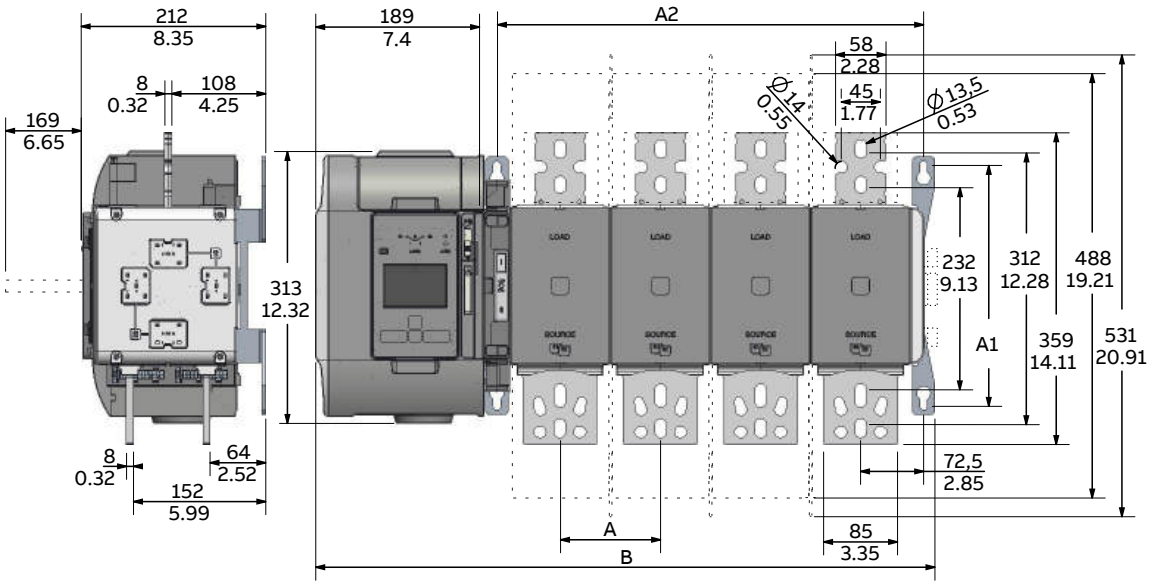
OX_500-800_			
No. of poles	**2**	**3**	**4**
A	65/2.56	65/2.56	65/2.56
A1	277/10.91	277/10.91	277/10.91
A2	160/6.30	225/8.86	290/11.42
B	382/15.04	447/17.60	512/20.16

Note: B dimension, recommended to leave 2cm/1" free space on the left side (for removing the mechanism)

Dimension drawings

Automatic transfer switches

UL: 800U, 1000U, 1200U
IEC: 1000E, 1250E, 1600E



OX_800U–1600		
No. of poles	**3**	**4**
A	115/4.53	115/4.53
A1	277/10.91	277/10.91
A2	375/14.77	490/19.30
B	597/23.51	712/28.04

Note: B dimension, recommended to leave 2cm/1" free space on the left side (for removing the mechanism)

To learn more, look at the additional resources

The power of ONE – A critical breakthrough for critical power



TruONE ATS is the world's first true all-in-one automatic transfer switch, engineered to incorporate switch and controller in one seamless unit.

TruONE, true versatility



With TruONE, you have true versatility.

Manual and automatic operation



TruONE allows emergency manual operation under load, if necessary, for immediate power restoration.

Simplicity vs. Complexity



Are you ready to replace complexity with simplicity? Then you are ready for TruONE, the world's first true, purpose-built ATS.

Installation of accessories



TruONE features plug-in factory and field-mount accessorizing, so you don't need extra space inside the panel.

Installation of HMI on panel door



One wire, not 20. TruONE is the first automatic transfer switch to put it all together, including the controller with detachable HMI. It can be installed with a single wire using standard enclosures.

Sequence of operation and time delays



Part 1

Part 2

Learn how TruONE ATS operate, what time delays can be programmed and how the time delays make the transfer safe and reliable. The part 1 shows transfer from primary to backup power, the part 2 shows backup to a primary power source after power has been restored.

E-Configure



The easiest way to find, select, configure and order ABB products, quickly and simply.

Virtual HMI - Level 2 controller



Look at the available functions with the TruONE ATS Level 2 HMI.

Virtual HMI - Level 4 controller



Browse through the ATS functions and modify settings just like with a real TruONE ATS Level 4 HMI.

Additional information
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