SIEMENS

TC 0046-01

Typprüfbescheinigung / Type Test Certificate

Erzeugnis: *Product:*	**Contactors and accessories**		
Typenbezeichnung: *Type designation:*	**3RT1.5, 3RT195, 3RH19**	Hersteller: *Manufacturer:*	**Siemens AG, SI EP EMS**
Ort, Datum: *Place, Date:*	Amberg, 2026-05-21	Ersteller: *Originator:*	Kiefl / SI EP EMS R&D T&A 2 1
Art der Prüfung: *Kind of test:*	**Type Test acc. product standard**	Verantwortiches Labor: *Responsible Laboratory:*	**Type Test Center Siemens AG, Amberg DAkkS accredited Testing Laboratory ***

Angewandte Prüfbestimmungen / *Test specifications applied:*

IEC 60947-4-1:2018-10

Durchgeführte Prüfungen / *Tests conducted:*

Test Sequences I, II, III, IV, V, Annex F and EMC

Prüfergebnis / *Test result:*

All requirements of the test specification are met.

Änderungsdokumentation / *Change documentation:*

Index 00	2024-02-09	first release, replacement of cert. no. 2310g
Index 01	2026-05-21	accessory added

Bemerkungen / *Remarks:*

Anlagen: *Enclosures:* -

** Type Test Center Siemens AG Amberg, Reg.-Nr.: PL-11055-04-00, DAkkS accredited Testing Laboratory acc. ISO/IEC 17025, regarding the standards, listed in the scope of accreditation.*

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Product Description

General

Product:	*Contactors and accessories*
Type designation:	*3RT105.., 3RT1456-.., 3RT195..*
Manufacturer:	*Siemens AG, SI EP EMS* *92220 Amberg, Werner-von-Siemens-Str. 48, Germany*
Production site:	*Siemens AG, SI EP EMS* *Werner-von Siemens-Str. 29, 93413 Cham* *Siemens Ltd. Kalwa Works WSGR,* *Thane Belapur Road, Thane 400601, India*

Product Description

Nomenclature breakdown

SIRIUS Contactor 3RT105

3RT10	**54**	**1**	**A**	**B3**	**6**	**0LA2**
I	II	III	IV	V	VI	VII

I Basic type designation 3RT10, contactor for motor loads, 3pole

II Rating for AC-3 Motor switching capacity at 400V:
- 54 - 55 kW
- 55 - 75 kW
- 56 - 90 kW

III Type of terminals:
- 1 - main contacts: box terminal, control terminals: screw type
- 2 - main contacts: bus bar terminal, control terminals: spring type
- 3 - main contacts: box terminal, control terminals: spring type
- 6 - main contacts: bus bar terminal, control terminals: screw type
- 7 - main contacts: box terminal with 3RT1955-4G terminal box, control terminals: screw type
- 8 - customer specific type in combination with VII

IV Operating system:
- A - ac/dc conventional operating system
- L - without operating system
- N - ac/dc electronic operating system with PLC input
- P - ac/dc electronic operating system with RLT-module
- Q - ac/dc electronic operating system with RLT- and AS-interface
- S - ac/dc electronic operating system with PLC input for F-PLC
- X - dc electronic operating system Uc 0,7 to 1,25 with PLC input or direct conventional control

IV+V Rated operating voltage:
- A.. - 23 up to 600V, conventional operating system
- N.. - 21 up to 277V, electronic operating system
- P.. - 96 up to 277V, electronic operating system
- Q.. - 96 up to 277V, electronic operating system

for IV = S:
- F3 - 96 up to 127V ac
- P3 - 200 up to 277V ac

for IV = X:
- B4 - 24Vdc
- J4 - 72Vdc
- F4 - 110Vdc

VI Auxiliary contact arrangement:
- 0 - no auxiliary contact
- 4 - 2 NO + 2 NC top mounted
- 5 - 1 NO + 1 NC lateral mounted
- 6 - 2 NO + 2 NC lateral mounted
- 8 - manufacturer's identification

VII Suffix letters and/or numbers for special versions

3RT1955-4G - Box terminal for contactor 3RT105.. and 3RT1456-.. conductor size up to 70 mm²
3RT1956-4G - Box terminal for contactor 3RT105.. and 3RT1456-.. conductor size up to 120 mm²

Product Description

SIRIUS Contactor 3RT1456

3RT14	**56**	**1**	**A**	**B3**	**6**	**0LA2**
I	II	III	IV	V	VI	VII

I Basic type designIlation 3RT14, contactor for resistive load, 3pole

II Rating for AC-1 resistive load switching capacity at 400V:
56 - 275 A AC1 at 40°C

III Type of terminals:
1 - main contacts: box terminal, control terminals: screw type
2 - main contacts: bus bar terminal, control terminals: spring type
3 - main contacts: box terminal, control terminals: spring type
6 - main contacts: bus bar terminal, control terminals: screw type
7 - main contacts: box terminal with 3RT1955-4G terminal box, control terminals: screw type
8 - customer specific type in combination with VII

IV Operating system:
A - ac/dc conventional operating system
L - without operating system
N - ac/dc electronic operating system with PLC input
P - ac/dc electronic operating system with RLT-module
Q - ac/dc electronic operating system with RLT- and AS-interface
S - ac/dc electronic operating system with PLC input for F-PLC
X - dc electronic operating system Uc 0,7 to 1,25 with PLC input or direct conventional control

IV+V Rated operating voltage:
A.. - 23 up to 600V, conventional operating system
N.. - 21 up to 277V, electronic operating system
P.. - 96 up to 277V, electronic operating system
Q.. - 96 up to 277V, electronic operating system
for IV = S:
F3 - 96 up to 127V ac
P3 - 200 up to 277V ac
for IV = X:
B4 - 24Vdc
J4 - 72Vdc
F4 - 110Vdc

VI Auxiliary contact arrangement:
0 - no auxiliary contact
4 - 2 NO + 2 NC top mounted
5 - 1 NO + 1 NC lateral mounted
6 - 2 NO + 2 NC lateral mounted
8 - manufacturer's identification

VII Suffix letters and/or numbers for special versions

3RT1955-4G - identical box terminal for contactor 3RT1456-.. and 3RT105.. conductor size up to 70 mm²

3RT1956-4G - Identical box terminal for contactor 3RT1456-.. and 3RT105.. conductor size up to 120 mm²

Product Description

Series: Withdrawable coil 3RT1955-5….

3RT1955-5	**A**	**B3**	**2**
I	II	III	IV

I Basic type designation 3RT1955-5:
Withdrawable coil for contactor 3RT105.. and 3RT1456..

II Operating system:
A - ac/dc conventional operating system
N - ac/dc electronic operating system with PLC input or direct conventional control
P - ac/dc electronic operating system with RLT-module
Q - ac/dc electronic operating system with RLT- and AS-interface
S - ac/dc electronic operating system with PLC input for F-PLC
X - dc electronic operating system Uc 0,7 to 1,25 with PLC input or direct conventional control

II+III Rated operating voltage:
A.. - 23 up to 600V, conventional operating system
N.. - 21 up to 277V, electronic operating system
P.. - 96 up to 277V, electronic operating system
Q.. - 96 up to 277V, electronic operating system
for II = S:
F3 - 96 up to 127V ac
P3 - 200 up to 277V ac
for II = X:
B4 - 24Vdc
J4 - 72Vdc
F4 - 110Vdc

IV Type of terminals:
1screw terminal
2spring type terminal

Product Description

Accessory:

3RA1953-2A, 3RT1953-2M	Assembly set for reversing contactor 3RT105 consisting of wiring connectors.
3RA1954-2A	Mechanical interlock, side mounted, for reversing contactor 3RT105, 3RT1.6, 3RT1.7
3RA1952-2A	Base-plate for reversing contactor 3RT105
3RA1952-2F	Base-plate for Star-delta starters consisting of delta contactors 3RT105 and star contactor 3RT105
3RA1952-2E	Base-plate for Star-delta starters consisting of delta contactors 3RT1.5 and star contactor 3RT2.4
3RA1953-2B, 3RA1953-2N	Assembly Sets for Star-delta starters
3RT1956-4EA.	Terminal cover adapter used with 3RA1953-2M, 3RA1953-2N or 3RA1953-3P.
3RT1956-1CB, -1CC, -1CD -1CE, -1CF	Surge suppressor

Product Description

3RH1921-	1	D	A	1	1	-…
I	II	III	IV	V	VI	VII

I Basic type designation aux. contact block

II Type of terminals:
- 1 screw terminal
- 2 spring type terminal

III Design
- C front mounted, 1 pole
- D lateral mounted, 2 pole
- E lateral mounted, 2 pole
- J lateral mounted, 2 pole
- K lateral mounted, 2 pole
- X suitable for contactors 3RT1

IV Switching function
- A Standard switching
- D delayed
- E electronic compatible

V Contact arrangement NO
- 0 No NO contact
- 1 1 NO contact
- 2 2 NO contacts

VI Contact arrangement NC
- 0 No NC contact
- 1 1 NC contact
- 2 2 NC contacts

VII Manufacturers identification
- -0MA0 front mounted, 4 pole
- -0PA1 lateral mounted, 1 pole

Product Description

Technical Data

General product information:	
- kind of equipment:	Contactor
- number of poles:	3
- kind of current (a.c. or d.c.):	ac
- interrupting medium:	air
- method of operation:	electromagnetic
- method of control:	automatic
- method of change-over for particular types of starters:	-
- method of connecting for particular types of starters:	-
- rated frequency:	50/60 Hz
- rated duties:	8 hour duty
- Utilization category:	AC-3e
- Degrees of protection of enclosed equipment:	IP20 (front) IP00 (terminals)
Rated and limiting values, main circuit	
Rated voltages	
- rated operational voltage Ue (V):	400/690V Max. 1000V
- rated insulation voltage Ui (V):	1000V
- rated impulse withstand voltage Uimp(kV):	8kV
Currents or powers	
- conventional free air thermal current Ith (A):	Max. 215A
- conventional enclosed thermal current Ithe (A):	-
- rated operational current Ie (A) or rated operational powers:	Max. 185A
- rated uninterrupted current Iu (A):	-
Rated conditional short-circuit current	
- rated prospective short-circuit current "r" (kA):	10kA
- rated conditional short-circuit current Iq (kA):	Up to 100 kA
- type of co-ordination:	1/2
- Pole impedance of a contactor (Z):	-
Control circuits	
Characteristics of electrical and electronic control circuits	
- type of current:	ac / dc
- rated frequency:	50 Hz / 60 Hz / dc

Product Description

- rated control circuit voltage Uc (a.c. / d.c.) .....:		24Vac through 600Vac or 12Vdc through 240Vdc
- rated control supply voltage Us (a.c. / d.c.) .....:		-
- limited energy (if the source is in accordance with 8.1.14):		-
- SELV (PELV) supply ……:		-
- holding power ……..…..:		Up to 300VA
- pick-up power ……..……..……..:		Up to 5,8VA
Auxiliary circuits:		
- rated operational voltage Ue (V)	:	690V
- rated insulation voltage: Ui (V)	:	690V
- rated operational current: Ie (A)	:	Max. 10A
- kind of current	:	ac/dc
- rated frequency: (Hz)	:	50/60Hz
- number of circuits	:	2
- number and kind of contact elements	:	NO and NC
- utilization category: (AC, DC, current and voltage)	:	AC-12, AC-15, DC-13
Short-circuit characteristic		
- rated conditional short-circuit current (kA)	:	1kA
- kind of protective device	:	fuse: 10A gG