3RT1466-6XJ46-0LA2

Data sheet



power contactor AC-1 400 A / 690 V / 40 $^{\circ}$ C 3-pole, Uc: 110 V DC (0.7-1.25) PLC input 24-110 V DC drive: electronic auxiliary contacts 2 NO + 2 NC main circuit: busbar control and auxiliary circuit: screw terminal extended rated condition railroad IEC 60077

product brand name	SIRIUS
product designation	Power contactor
design of the product	With extended operating range
product type designation	3RT14
General technical data	
size of contactor	S10
product extension	
 function module for communication 	No
auxiliary switch	Yes
power loss [W] for rated value of the current	
 without load current share typical 	3.4 W
insulation voltage	
 of main circuit with degree of pollution 3 rated value 	1 000 V
 of auxiliary circuit with degree of pollution 3 rated value 	500 V
surge voltage resistance	
 of main circuit rated value 	8 kV
 of auxiliary circuit rated value 	6 kV
maximum permissible voltage for protective separation between coil and main contacts according to EN 60947-1	690 V
shock resistance for railway applications according to EN 61373	Category 1, Class B
shock resistance at rectangular impulse	
• at DC	8,5g / 5 ms, 4,2g / 10 ms
shock resistance with sine pulse	
• at DC	13,4g / 5 ms, 6,5g / 10 ms
mechanical service life (operating cycles)	
of contactor typical	10 000 000
 of the contactor with added electronically optimized auxiliary switch block typical 	5 000 000
 of the contactor with added auxiliary switch block typical 	10 000 000
reference code according to IEC 81346-2	Q
Substance Prohibitance (Date)	09/06/2016
SVHC substance name	Blei - 7439-92-1 Bleimonoxid (Bleioxid) - 1317-36-8 Bleititanzirkonoxid - 12626-81-2 Perfluorbutansulfonsäure (PFBS) und ihre 2,2',6,6'-Tetrabrom-4,4'-isopropylidendi - 79-94-7
Ambient conditions	
installation altitude at height above sea level maximum	2 000 m
ambient temperature	
during operation	-40 +70 °C
during storage	-55 +80 °C
relative humidity minimum	10 %

maximum	95 %
ain circuit	
number of poles for main current circuit	3
number of NO contacts for main contacts	3
number of NC contacts for main contacts	0
operating voltage	
at AC-3 rated value maximum	690 V
operational current	
 at AC-1 at 400 V at ambient temperature 40 °C rated value at AC-1 	400 A
— up to 690 V at ambient temperature 40 °C rated value	400 A
— up to 690 V at ambient temperature 60 $^{\circ}\text{C}$ rated value	380 A
• at AC-2 at 400 V rated value	138 A
• at AC-3	
— at 400 V rated value	138 A
— at 500 V rated value	138 A
— at 690 V rated value	138 A
minimum cross-section in main circuit	
• at maximum AC-1 rated value	240 mm²
at maximum Ith rated value	240 mm²
operational current	
at 1 current path at DC-1	
— at 24 V rated value	380 A
— at 110 V rated value	33 A
— at 220 V rated value	3.8 A
— at 440 V rated value	0.9 A
— at 600 V rated value	0.6 A
 with 2 current paths in series at DC-1 	
— at 24 V rated value	380 A
— at 110 V rated value	380 A
— at 220 V rated value	380 A
— at 440 V rated value	4 A
— at 600 V rated value	2 A
with 3 current paths in series at DC-1	202
— at 24 V rated value	380 A
— at 110 V rated value	380 A
— at 220 V rated value	380 A
— at 440 V rated value	11 A
— at 600 V rated value	5.2 A
at 1 current path at DC-3 at DC-5 at 24 V rated value.	380 A
— at 24 V rated value	380 A 3 A
— at 110 V rated value— at 220 V rated value	0.6 A
— at 440 V rated value	0.6 A 0.18 A
— at 440 V rated value — at 600 V rated value	0.10 A 0.125 A
with 2 current paths in series at DC-3 at DC-5	V. 120 / 1
— at 24 V rated value	380 A
— at 110 V rated value	380 A
— at 220 V rated value	2.5 A
— at 440 V rated value	0.65 A
— at 600 V rated value	0.37 A
with 3 current paths in series at DC-3 at DC-5	
— at 24 V rated value	380 A
— at 110 V rated value	380 A
— at 220 V rated value	380 A
— at 440 V rated value	1.4 A
— at 600 V rated value	0.75 A

* al AC-2 al 400 V rates value		
	 at AC-2 at 400 V rated value 	75 kW
	• at AC-3	
at 500 V rated value at 500 V rated va	— at 230 V rated value	97 kW
	— at 400 V rated value	75 kW
short-time withstand current in cold operating state up to 40°C • Irimited to 1 s switching at zero current maximum • Irimited to 5 switching at zero current maximum • Irimited to 50 s switching at zero current maximum • Irimited to 50 s switching at zero current maximum • Irimited to 50 s switching at zero current maximum • Irimited to 50 s switching at zero current maximum • Irimited to 60 s switching at zero current maximum • Irimited to 10 s switching at zero current maximum • Irimited to 60 s switching at zero current maximum • Irimited to 60 switching at zero current maximum • Irimited to 60 switching at zero current maximum • Irimited to 60 switching at zero current maximum • Irimited to 60 switching at zero current maximum • Irimited to 60 switching frequency • Irimited to 10 switching at zero current maximum • Irimited to 60 switching at zero current	— at 500 V rated value	90 kW
imited to 1 s witching at zero current maximum imited to 1 s witching at zero current maximum imited to 1 s witching at zero current maximum imited to 10 s witching at zero current maximum imited to 30 s witching at zero current maximum imited to 30 s witching at zero current maximum imited to 30 s witching at zero current maximum imited to 30 s witching at zero current maximum imited to 30 s witching at zero current maximum 1 883 Å; Use minimum cross-section acc. to AC-1 rated value imited to 30 s witching at zero current maximum 1 485 Å; Use minimum cross-section acc. to AC-1 rated value imited to 30 s witching at zero current maximum 1 445 Å; Use minimum cross-section acc. to AC-1 rated value imited to 30 s witching at zero current maximum 1 445 Å; Use minimum cross-section acc. to AC-1 rated value imited to 30 s witching at zero current maximum 1 446 Å; Use minimum cross-section acc. to AC-1 rated value	— at 690 V rated value	132 kW
Inititied to 15 is switching at zero current maximum 4 570 A. Use minimum cross-section acc. to AC-1 rated value Inititied to 30 is switching at zero current maximum 1 83 A. Use minimum cross-section acc. to AC-1 rated value Initiate to 00 is switching at zero current maximum 1 883 A. Use minimum cross-section acc. to AC-1 rated value Initiate to 00 is switching at zero current maximum 1 485 A. Use minimum cross-section acc. to AC-1 rated value 1 445 A. Use minimum cross-section acc. to AC-1 rated value 1 445 A. Use minimum cross-section acc. to AC-1 rated value 1 445 A. Use minimum cross-section acc. to AC-1 rated value 1 445 A. Use minimum cross-section acc. to AC-1 rated value 1 440 A.	short-time withstand current in cold operating state up to 40 $^{\circ}\text{C}$	
Finited to 10 a switching at zero current maximum 1883 A. Use minimum cross-section acc. to AC-1 rated value 1883 A. Use minimum cross-section acc. to AC-1 rated value 1883 A. Use minimum cross-section acc. to AC-1 rated value 1883 A. Use minimum cross-section acc. to AC-1 rated value 1883 A. Use minimum cross-section acc. to AC-1 rated value 1883 A. Use minimum cross-section acc. to AC-1 rated value 1883 A. Use minimum cross-section acc. to AC-1 rated value 1883 A. Use minimum cross-section acc. to AC-1 rated value 1883 A. Use minimum cross-section acc. to AC-1 rated value 1883 A. Use minimum cross-section acc. to AC-1 rated value 1883 A. Use minimum cross-section acc. to AC-1 rated value 1883 A. Use minimum cross-section acc. to AC-1 rated value 1883 A. Use minimum cross-section acc. to AC-1 rated value 1883 A. Use minimum cross-section acc. to AC-1 rated value 1883 A. Use minimum cross-section acc. to AC-1 rated value 1883 A. Use minimum cross-section acc. to AC-1 rated value 1883 A. Use minimum cross-section acc. to AC-1 rated value 1883 A. Use minimum cross-section acc. to AC-1 rated value 1893 A. Use minimum cross-section acc. to AC-1 rated value 1893 A. Use minimum cross-section acc. to AC-1 rated value 1893 A. Use minimum cross-section acc. to AC-1 rated value 1893 A. Use minimum cross-section acc. to AC-1 rated value 1995 A. Use minimum cross-section acc. to AC-1 rated value 1995 A. Use minimum cross-section acc. to AC-1 rated value 1995 A. Use minimum cross-section acc. to AC-1 rated value 1995 A. Use minimum cross-section acc. to AC-1 rated value 1995 A. Use minimum cross-section acc. to AC-1 rated value 1995 A. Use minimum cross-section acc. to AC-1 rated value 1995 A. Use minimum cross-section acc. to AC-1 rated value 1995 A. Use minimum cross-section acc. to AC-1 rated value 1995 A. Use minimum cross-section acc. to AC-1 rated value 1995 A. Use minimum cross-section acc. to AC-1 rated value 1995 A. Use minimum cross-section acc. t	 limited to 1 s switching at zero current maximum 	5 524 A; Use minimum cross-section acc. to AC-1 rated value
Imited to 30 s witching at zero current maximum Inited to 60 s witching at zero current maximum Inited to 60 s witching at zero current maximum Inited to 60 s witching requency Inited to 60 s witching	 limited to 5 s switching at zero current maximum 	4 579 A; Use minimum cross-section acc. to AC-1 rated value
imitated to 60 s awitching at zero current maximum no-load switching frequency at 0CO operating frequency at 0CO imaximum operating frequency operating frequency operating regular footnot of supply voltage operating regular footnot operating footnot operating regular footnot operating delay at 0CO operating delay at 0CO operating delay at 0CO operating required at 0CO operating mechanism plucified footnot of the switch operating mechanism plucified footnot operating footnot operating footnot operational current at 0CO operational cur	 limited to 10 s switching at zero current maximum 	3 153 A; Use minimum cross-section acc. to AC-1 rated value
no-load switching frequency at DC operating frequency at AC-1 maximum become at DC 700 1/h operating frequency at DC-1 maximum become at DC-2 maximum become at DC-1 maximum become a	 limited to 30 s switching at zero current maximum 	1 883 A; Use minimum cross-section acc. to AC-1 rated value
e at DC operating frequency e at AC-1 maximum operating frequency e at DC-1 maximum soft of the so	 limited to 60 s switching at zero current maximum 	1 445 A; Use minimum cross-section acc. to AC-1 rated value
operating frequency	no-load switching frequency	
e at AC-1 maximum 350 1/h Patings for railway applications thermal current (th) up to 80 V • up to 40°C according to IEC 60077 rated value • up to 70°C according to IEC 60077 rated value • up to 70°C according to IEC 60077 rated value • up to 70°C according to IEC 60077 rated value • up to 70°C according to IEC 60077 rated value • up to 70°C according to IEC 60077 rated value • up to 70°C according to IEC 60077 rated value • up to 70°C according to IEC 60077 rated value • up to 70°C according to IEC 60077 rated value	• at DC	700 1/h
operating frequency at DC-1 maximum at DC-1 maximum and	operating frequency	
* at DC-1 maximum Ratings for railway applications thermal current (tith) up to 690 V • up to 40 °C according to IEC 60077 rated value • up to 70 °C according to IEC 60077 rated value • up to 70 °C according to IEC 60077 rated value • up to 70 °C according to IEC 60077 rated value Sype of voltage DC control circuit/Control Type of voltage of the control supply voltage DC or rated value • rated value • rated value • full-scale value • full-scale value • full-scale value • full-scale value voltage at PLC-control input according to IEC 60947-1 maximum voltage at PLC-control input 24 110 V design of the surge suppressor with varistor closing power of magnet coil at DC bolding power of magnet coil at DC closing delay • at DC	at AC-1 maximum	600 1/h
thermal current (tith) up to 690 V • up to 40° Caccording to IEC 60077 rated value • up to 70° Caccording to IEC 60077 rated value • up to 70° Caccording to IEC 60077 rated value • up to 70° Caccording to IEC 60077 rated value Type of voltage DC control circuit/ Control Type of voltage of the control supply voltage Control supply voltage at DC • rated value operating range factor control supply voltage rated value of magnet coil at DC • initial value • full-scale value consumed current at PLC-control input according to IEC 60947-1 maximum voltage at PLC-control input design of the surge suppressor closing power of magnet coil at DC sholding power of magnet coil at DC operating delay • at DC • at DC at DC at DC south of the switch operating mechanism PLC-IN or Standard A1 - A2 (adjustable) Auxillary circuit number of NC contacts for auxilliary contacts • instantaneous contact number of NC contacts for auxilliary contacts • instantaneous contact 2 coperational current at AC-12 maximum 10 A operational current at AC-15 • at 230 V rated value • at 50 V rated value • at 60 V rated va		
thermal current (tth) up to 690 V • up to 40 °C according to IEC 60077 rated value • up to 70 °C according to IEC 60077 rated value 330 A Control circuit/ Control type of voltage of the control supply voltage DC control supply voltage at DC • rated value operating range factor control supply voltage rated value of magnet coil at DC • initial value • full-scale value consumed current at PLC-control input according to IEC so 80 W voltage at PLC-control input design of the surge suppressor closing power of magnet coil at DC so W holding power		350 1/h
• up to 40 °C according to IEC 60077 rated value		
• up to 70 °C according to IEC 60077 rated value Control circuit Control type of voltage	` , .	
type of voltage of the control supply voltage DC control supply voltage at DC * rated value operating range factor control supply voltage rated value of magnet coil at DC * initial value * on the scale value * full-scale value consumed current at PLC-control input according to IEC 69947-1 maximum voltage at PLC-control input design of the surge suppressor (closing power of magnet coil at DC * at		
type of voltage of the control supply voltage DC control supply voltage at DC		330 A
Type of voltage of the control supply voltage DC	Control circuit/ Control	
control supply voltage at DC • rated value operating range factor control supply voltage rated value of magnet coil at DC • initial value of ull-scale value 1.25 consumed current at PLC-control input according to IEC 69947-1 maximum voltage at PLC-control input design of the surge suppressor closing power of magnet coil at DC s80 W holding power of magnet coil at DC closing power of magnet coil at DC closing power of magnet coil at DC s80 W • at DC opening delay • at DC arcing time control version of the switch operating mechanism PLC-IN or Standard A1 - A2 (adjustable) Auxillary circuit number of NC contacts for auxillary contacts • instantaneous contact current at AC-12 maximum 10 A operational current at AC-12 maximum 10 A operational current at AC-12 maximum 10 A operational current at DC-12 • at 12 4V rated value • at 48 V rated value • at 41 110 V rated value • at 125 V rated value	type of voltage	DC
operating range factor control supply voltage rated value of magnet coil at DC initial value full-scale value consumed current at PLC-control input according to IEC 69947-1 maximum voltage at PLC-control input design of the surge suppressor with varistor closing power of magnet coil at DC doling power of MC doling power of MC arcing time doling power of MC do	type of voltage of the control supply voltage	DC
operating range factor control supply voltage rated value of magnet coil at DC initial value full-scale value consumed current at PLC-control input according to IEC co9947-1 maximum voltage at PLC-control input design of the surge suppressor closing power of magnet coil at DC folding power of magnet coil at DC san W holding power of magnet coil at DC closing delay at DC opening delay at DC arcing time control version of the switch operating mechanism PLC-IN or Standard A1 - A2 (adjustable) Auxiliary circuit number of NC contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum op	control supply voltage at DC	
magnet coil at DC • initial value 0.7 • full-scale value 1.25 consumed current at PLC-control input according to IEC 69947-1 maximum 24 110 V design of the surge suppressor with varistor closing power of magnet coil at DC 580 W holding power of magnet coil at DC 45 80 ms opening delay • at DC 45 80 ms opening delay • at DC 80 100 ms arcing time 10 15 ms control version of the switch operating mechanism PLC-IN or Standard A1 - A2 (adjustable) Auxiliary circuit number of NC contacts for auxiliary contacts 2 • instantaneous contact 2 number of NO contacts for auxiliary contacts 2 • instantaneous contact 2 operational current at AC-12 maximum 10 A operational current at AC-15 • at 230 V rated value 6 A • at 400 V rated value 2 A operational current at DC-12 • at 48 V rated value 6 A • at 41 V rated value 6 A • at 110 V rated value 3 A • at 125 V rated value 6 A • at 125 V rat	rated value	72 V
consumed current at PLC-control input according to IEC 69947-1 maximum voltage at PLC-control input design of the surge suppressor closing power of magnet coll at DC bolding power of magnet coll at DC closing delay e at DC opening delay e at DC arcing time control version of the switch operating mechanism Auxiliary circuit number of NC contacts for auxiliary contacts e instantaneous contact number of NO contacts for auxiliary contacts operational current at AC-12 maximum to perational current at AC-15 e at 230 V rated value e at 500 V rated value e at 48 V rated value e at 40 V rated value e at 48 V rated value e at 60 V rated value e at 60 V rated value e at 60 V rated value e at 110 V rated value e at 110 V rated value e at 125 V rated value	initial value	0.7
voltage at PLC-control input voltage at PLC-control input design of the surge suppressor closing power of magnet coil at DC holding power of magnet coil at DC save with varistor closing delay • at DC opening delay • at DC arcing time 10 15 ms control version of the switch operating mechanism PLC-IN or Standard A1 - A2 (adjustable) Auxiliary circuit number of NC contacts for auxiliary contacts • instantaneous contact number of NO contacts for auxiliary contacts • instantaneous contact operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 500 V rated value • at 48 V rated value • at 60 V rated value	full-scale value	1.25
design of the surge suppressor closing power of magnet coil at DC bolding power of magnet coil at DC start DC opening delay • at DC arcing time control version of the switch operating mechanism Auxiliary circuit number of NC contacts for auxiliary contacts • instantaneous contact operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 48 V rated value • at 50 V rated value • at 25 V rated value • at 10 V rated value • at 125 V rated value		2 mA
closing power of magnet coil at DC holding power of magnet coil at DC closing delay at DC opening delay at DC at DC at DC at DC at DC opening delay at DC opening time control version of the switch operating mechanism Auxiliary circuit number of NC contacts for auxiliary contacts instantaneous contact instantaneous contact operational current at AC-12 maximum operational current at AC-15 at 230 V rated value at 400 V rated value at 480 V rated value at 680 V	voltage at PLC-control input	24 110 V
holding power of magnet coil at DC closing delay		
closing delay • at DC opening delay • at DC 80 100 ms arcing time control version of the switch operating mechanism PLC-IN or Standard A1 - A2 (adjustable) Auxiliary circuit number of NC contacts for auxiliary contacts • instantaneous contact number of NO contacts for auxiliary contacts 2 • instantaneous contact 2 operational current at AC-12 maximum 10 A operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 500 V rated value • at 24 V rated value • at 48 V rated value • at 48 V rated value • at 48 V rated value • at 60 V rated value • at 60 V rated value • at 60 V rated value • at 110 V rated value • at 110 V rated value • at 110 V rated value • at 125 V rated value • at 125 V rated value • at 125 V rated value	closing power of magnet coil at DC	580 W
at DC opening delay at DC arcing time 10 15 ms control version of the switch operating mechanism PLC-IN or Standard A1 - A2 (adjustable) Auxiliary circuit number of NC contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 at 230 V rated value at 400 V rated value at 48 V rated value	holding power of magnet coil at DC	3.4 W
opening delay • at DC arcing time 10 15 ms control version of the switch operating mechanism PLC-IN or Standard A1 - A2 (adjustable) Auxiliary circuit number of NC contacts for auxiliary contacts • instantaneous contact 2 number of NO contacts for auxiliary contacts 2 instantaneous contact 2 operational current at AC-12 maximum 10 A operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 500 V rated value • at 24 V rated value • at 48 V rated value • at 48 V rated value • at 48 V rated value • at 60 V rated value • at 60 V rated value • at 110 V rated value • at 125 V rated value	closing delay	
	• at DC	45 80 ms
arcing time control version of the switch operating mechanism PLC-IN or Standard A1 - A2 (adjustable) Auxiliary circuit number of NC contacts for auxiliary contacts instantaneous contact instantaneous contact operational current at AC-12 maximum operational current at AC-15 int 230 V rated value int 400 V rated value int 24 V rated value int 25 V rated value int 26 A int 27 V rated value int 28 V rated value int 29 V rated value int 20 V rated	opening delay	
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operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 500 V rated value operational current at DC-12 • at 24 V rated value • at 48 V rated value • at 60 V rated value • at 110 V rated value • at 125 V rated value • at 125 V rated value • at 24 V rated value • 3 A • at 125 V rated value • 3 A		
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operational current at DC-12 • at 24 V rated value 10 A • at 48 V rated value 6 A • at 60 V rated value 6 A • at 110 V rated value 3 A • at 125 V rated value 2 A		
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 at 60 V rated value at 110 V rated value at 125 V rated value 2 A 		
 at 110 V rated value at 125 V rated value 2 A 		
• at 125 V rated value 2 A		
at 220 V rated value 1 A		
	at 220 V rated value	1 A

at 600 V rated value	0.15 A
operational current at DC-13	
 at 24 V rated value 	6 A
at 48 V rated value	2 A
at 60 V rated value	2 A
• at 110 V rated value	1 A
• at 125 V rated value	0.9 A
• at 220 V rated value	0.3 A
at 600 V rated value	0.1 A
UL/CSA ratings	
full-load current (FLA) for 3-phase AC motor	
• at 480 V rated value	156 A
at 600 V rated value	144 A
yielded mechanical performance [hp]	
 for 3-phase AC motor 	
— at 220/230 V rated value	60 hp
— at 460/480 V rated value	125 hp
— at 575/600 V rated value	150 hp
contact rating of auxiliary contacts according to UL	A600 / Q600
Short-circuit protection	
product function short circuit protection	No
design of the fuse link	
for short-circuit protection of the main circuit	
— with type of coordination 1 required	gG: 500 A (690 V, 100 kA)
— with type of assignment 2 required	gR: 500 A (690 V, 100 kA)
for short-circuit protection of the auxiliary switch required	gG: 10 A (500 V, 1 kA)
Installation/ mounting/ dimensions	
mounting position	with vertical mounting surface +/-90° rotatable, with vertical mounting surface
	+/- 22.5° tiltable to the front and back
fastening method	screw fixing
side-by-side mounting	Yes
height	210 mm
width	145 mm
depth	202 mm
required spacing	
with side-by-side mounting	
— forwards	20 mm
— upwards	10 mm
— downwards	10 mm
— at the side	10 mm
 for grounded parts 	
— forwards	20 mm
— upwards	10 mm
— at the side	10 mm
— downwards	10 mm
• for live parts	
— forwards	20 mm
— upwards	10 mm
— downwards	10 mm
— at the side	10 mm
Connections/ Terminals	
type of electrical connection	
for main current circuit	screw-type terminals
for auxiliary and control circuit	screw-type terminals
width of connection bar	25 mm
thickness of connection bar	6 mm
diameter of holes	11 mm
number of holes	1
type of connectable conductor cross-sections for main contacts	
• solid or stranded	2x (70 240 mm²)
type of connectable conductor cross-sections	,
Jr. 3. commentation of occordance	

 for auxiliary contacts 			
— solid	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), max. 2x (0.75 4 mm²)		
 solid or stranded 	2x (0,5 1,5 mm²), 2x (0,75 2,5 mm²), max. 2x (0,75 4 mm²)		
 finely stranded with core end processing 	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)		
 for AWG cables for auxiliary contacts 	2x (20 16), 2x (18 14), 1x 12		
AWG number as coded connectable conductor cross section			
 for auxiliary contacts 	18 14		
Safety related data			
product function			
 mirror contact according to IEC 60947-4-1 	Yes		
 positively driven operation according to IEC 60947-5-1 	No		
B10 value with high demand rate according to SN 31920	1 000 000		
T1 value for proof test interval or service life according to IEC 61508	20 a		
protection class IP on the front according to IEC 60529	IP00; IP20 with box terminal/cover		
touch protection on the front according to IEC 60529	finger-safe, for vertical contact from the front with box terminal/cover		
Communication/ Protocol			
product function bus communication	No		
Certificates/ approvals			
General Product Approval		EMC	

(P)

Confirmation









Functional
Safety/Safety of Machinery

Declaration of Conformity
Test C

Test Certificates

other

Type Examination Certificate





Special Test Certificate

Type Test Certificates/Test Report Confirmation

other Railway

<u>Miscellaneous</u>

Type Test Certificates/Test Report

Vibration and Shock

Special Test Certificate

Further information

Siemens has decided to exit the Russian market (see here).

https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business

Siemens is working on the renewal of the current EAC certificates.

Please contact your local Siemens office on the status of validity of the EAC certification if you intend to import or offer to supply these products to an EAC relevant market (other than the sanctioned EAEU member states Russia or Belarus).

Information on the packaging

https://support.industry.siemens.com/cs/ww/en/view/109813875

Information- and Downloadcenter (Catalogs, Brochures,...)

https://www.siemens.com/ic10

Industry Mall (Online ordering system)

https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RT1466-6XJ46-0LA2

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT1466-6XJ46-0LA2

 $Service \& Support \ (Manuals, \ Certificates, \ Characteristics, \ FAQs, ...)$

https://support.industry.siemens.com/cs/ww/en/ps/3RT1466-6XJ46-0LA2

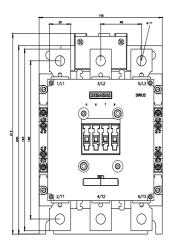
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

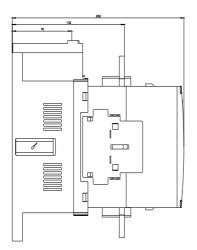
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RT1466-6XJ46-0LA2&lang=en

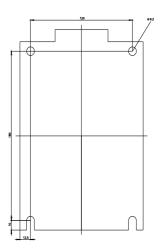
Characteristic: Tripping characteristics, I²t, Let-through current

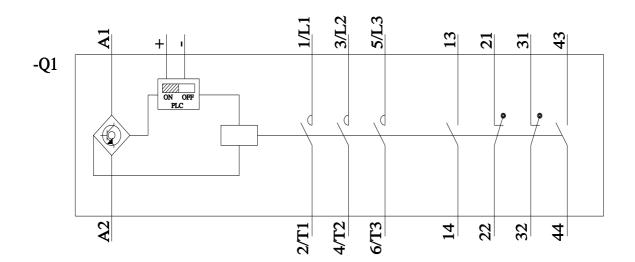
https://support.industry.siemens.com/cs/ww/en/ps/3RT1466-6XJ46-0LA2/char Further characteristics (e.g. electrical endurance, switching frequency)

http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT1466-6XJ46-0LA2&objecttype=14&gridview=view1









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