SIEMENS

Data sheet 3RT1476-6NB36



power contactor AC-1 690 A / 690 V / 40 $^{\circ}$ C 3-pole, Uc: 21-27.3 V AC(50-60 Hz) / DC PLC input 24 V DC drive: electronic auxiliary contacts 2 NO + 2 NC main circuit: busbar control and auxiliary circuit: screw terminal

product brand name	SIRIUS	
product designation	Contactor	
product type designation	3RT14	
General technical data		
size of contactor	S12	
product extension		
 function module for communication 	No	
auxiliary switch	Yes	
power loss [W] for rated value of the current		
 at AC in hot operating state 	185.7 W	
 at AC in hot operating state per pole 	61.9 W	
without load current share typical	3.6 W	
type of calculation of power loss depending on pole	quadratic	
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	
shock resistance at rectangular impulse		
• at AC	8,5g / 5 ms, 4,2g / 10 ms	
• at DC	8,5g / 5 ms, 4,2g / 10 ms	
shock resistance with sine pulse		
• at AC	13,4g / 5 ms, 6,5g / 10 ms	
• 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)	05/01/2012	
SVHC substance name	Lead - 7439-92-1	
Ambient conditions		
installation altitude at height above sea level maximum	2 000 m	
ambient temperature		
 during operation 	-25 +60 °C	
during storage	-55 +80 °C	
relative humidity minimum	10 %	
relative humidity at 55 °C according to IEC 60068-2-30 maximum	95 %	

Main 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
type of voltage for main current circuit	AC
operational current	
• at AC-1	
— up to 690 V at ambient temperature 40 °C rated value	690 A
— up to 690 V at ambient temperature 55 °C rated value	600 A
— up to 690 V at ambient temperature 60 °C rated value	600 A
• at AC-3	
— at 400 V rated value	170 A
— at 690 V rated value	170 A
minimum cross-section in main circuit at maximum AC-1 rated value	480 mm²
no-load switching frequency	
• at AC	1 000 1/h
• at DC	1 000 1/h
operating frequency at AC-1 maximum	600 1/h
Control circuit/ Control	
type of voltage	AC/DC
type of voltage of the control supply voltage	AC/DC
control supply voltage at AC	
at 50 Hz rated value	21 27.3 V
• at 60 Hz rated value	21 27.3 V
control supply voltage at DC rated value	
Taled value	21 27.3 V
operating range factor control supply voltage rated value of magnet coil at DC	21 21.0 V
• initial value	0.8
• full-scale value	1.1
operating range factor control supply voltage rated value of magnet coil at AC	
● at 50 Hz	0.8 1.1
● at 60 Hz	0.8 1.1
type of PLC-control input according to IEC 60947-1	Type 2
consumed current at PLC-control input according to IEC	20 mA
60947-1 maximum	
design of the surge suppressor	with varistor
apparent pick-up power	
 at minimum rated control supply voltage at AC 	
 at minimum rated control supply voltage at AC — at 50 Hz 	560 VA
	560 VA 560 VA
— at 50 Hz	
— at 50 Hz — at 60 Hz	
 — at 50 Hz — at 60 Hz • at maximum rated control supply voltage at AC 	560 VA
 at 50 Hz at 60 Hz at maximum rated control supply voltage at AC at 60 Hz 	560 VA 750 VA
 at 50 Hz at 60 Hz at maximum rated control supply voltage at AC at 60 Hz at 50 Hz 	560 VA 750 VA
- at 50 Hz - at 60 Hz • at maximum rated control supply voltage at AC - at 60 Hz - at 50 Hz apparent pick-up power of magnet coil at AC	560 VA 750 VA 750 VA
 — at 50 Hz — at 60 Hz • at maximum rated control supply voltage at AC — at 60 Hz — at 50 Hz apparent pick-up power of magnet coil at AC • at 50 Hz 	560 VA 750 VA 750 VA
- at 50 Hz - at 60 Hz • at maximum rated control supply voltage at AC - at 60 Hz - at 50 Hz apparent pick-up power of magnet coil at AC • at 50 Hz inductive power factor with closing power of the coil	560 VA 750 VA 750 VA 750 VA
- at 50 Hz - at 60 Hz • at maximum rated control supply voltage at AC - at 60 Hz - at 50 Hz apparent pick-up power of magnet coil at AC • at 50 Hz inductive power factor with closing power of the coil • at 50 Hz	560 VA 750 VA 750 VA 750 VA
- at 50 Hz - at 60 Hz • at maximum rated control supply voltage at AC - at 60 Hz - at 50 Hz apparent pick-up power of magnet coil at AC • at 50 Hz inductive power factor with closing power of the coil • at 50 Hz apparent holding power • at minimum rated control supply voltage at DC	560 VA 750 VA 750 VA 750 VA 0.8
- at 50 Hz - at 60 Hz • at maximum rated control supply voltage at AC - at 60 Hz - at 50 Hz apparent pick-up power of magnet coil at AC • at 50 Hz inductive power factor with closing power of the coil • at 50 Hz apparent holding power • at minimum rated control supply voltage at DC • at maximum rated control supply voltage at DC	560 VA 750 VA 750 VA 750 VA 0.8
- at 50 Hz - at 60 Hz • at maximum rated control supply voltage at AC - at 60 Hz - at 50 Hz apparent pick-up power of magnet coil at AC • at 50 Hz inductive power factor with closing power of the coil • at 50 Hz apparent holding power • at minimum rated control supply voltage at DC • at maximum rated control supply voltage at DC apparent holding power	560 VA 750 VA 750 VA 750 VA 0.8
- at 50 Hz - at 60 Hz • at maximum rated control supply voltage at AC - at 60 Hz - at 50 Hz apparent pick-up power of magnet coil at AC • at 50 Hz inductive power factor with closing power of the coil • at 50 Hz apparent holding power • at minimum rated control supply voltage at DC • at maximum rated control supply voltage at DC apparent holding power • at minimum rated control supply voltage at AC	560 VA 750 VA 750 VA 750 VA 0.8 3 VA 3.6 VA
- at 50 Hz - at 60 Hz • at maximum rated control supply voltage at AC - at 60 Hz - at 50 Hz apparent pick-up power of magnet coil at AC • at 50 Hz inductive power factor with closing power of the coil • at 50 Hz apparent holding power • at minimum rated control supply voltage at DC • at maximum rated control supply voltage at DC apparent holding power • at minimum rated control supply voltage at AC - at 50 Hz	560 VA 750 VA 750 VA 750 VA 0.8 3 VA 3.6 VA
- at 50 Hz - at 60 Hz • at maximum rated control supply voltage at AC - at 60 Hz - at 50 Hz apparent pick-up power of magnet coil at AC • at 50 Hz inductive power factor with closing power of the coil • at 50 Hz apparent holding power • at minimum rated control supply voltage at DC • at maximum rated control supply voltage at DC apparent holding power • at minimum rated control supply voltage at AC - at 50 Hz - at 60 Hz	560 VA 750 VA 750 VA 750 VA 0.8 3 VA 3.6 VA
- at 50 Hz - at 60 Hz • at maximum rated control supply voltage at AC - at 60 Hz - at 50 Hz apparent pick-up power of magnet coil at AC • at 50 Hz inductive power factor with closing power of the coil • at 50 Hz apparent holding power • at minimum rated control supply voltage at DC • at maximum rated control supply voltage at DC apparent holding power • at minimum rated control supply voltage at AC - at 50 Hz	560 VA 750 VA 750 VA 750 VA 0.8 3 VA 3.6 VA

spapers holding power of magnet coil at AC		
Industrie power factor with the holding power of the coil at 80 Hz closing power of magnet coil at DC starting to the college of the coil at DC starting time at DC at DC starting time at DC at DC starting time control version of the switch operating mechanism pound of INC contacts for auxiliary contacts instantaneous contact instantaneous contact correct of NC contacts for auxiliary contacts instantaneous contact correct of NC contacts for auxiliary contacts instantaneous contact correct at AC-12 instantaneous conta		
a 15 0 Hz		7 VA
Closing power of magnet coil at DC		
Incident power of magnet coil at DC		
Closing delay		800 W
e at AC		3.6 W
	closing delay	
Opening delay at AC 80 100 ms 80 .	• at AC	60 90 ms
	• at DC	60 90 ms
	opening delay	
arcing time	• at AC	80 100 ms
Control version of the switch operating mechanism Abrillany circuit number of NC contacts for auxillary contacts attachable a instantaneous contact 2 number of NO contacts for auxillary contacts 2 attachable a stachable a	• at DC	80 100 ms
Auxiliary circuit number of NC contacts for auxillary contacts • attachable • instantaneous contact 2 number of NC contacts for auxillary contacts • attachable • instantaneous contact 2 attachable • instantaneous contact • instantaneous contact 2 attachable • attachable • instantaneous contact 2 attachable • attachable • instantaneous contact 2 attachable • instantaneous contact 2 attachable • a	arcing time	10 15 ms
mumber of NC contacts for auxiliary contacts 2 attachable 4 instantaneous contact 2 number of NC contacts for auxiliary contacts 2 attachable 4 instantaneous contact 2 operational current at AC-12 miximum 10 A operational current at AC-15 at 230 V rated value 6 A at 4500 V rated value 3 A at 500 V rated value 1 A operational current at DC-13 at 24 V rated value 1 A operational current at DC-13 at 24 V rated value 2 A at 60 V rated value 2 A at 60 V rated value 2 A at 10 V rated value 2 A at 110 V rated value 2 A at 110 V rated value 1 A at 22 V rated value 2 A at 120 V rated value 0.9 A at 220 V rated value 0.9 A at 220 V rated value 0.9 A at 200 V rated value 0.9 A at 300 V rated value 0.9 A at 3	control version of the switch operating mechanism	PLC-IN or Standard A1 - A2 (adjustable)
entantaneous contact 2	Auxiliary circuit	
Instantaneous contact 2	number of NC contacts for auxiliary contacts	2
Number of NO contacts for auxiliary contacts	• attachable	4
instantaneous contact	instantaneous contact	2
• instantaneous contact 2	number of NO contacts for auxiliary contacts	2
Operational current at AC-12 maximum	attachable	4
a t 230 V rated value	instantaneous contact	2
a 1 230 V rated value	operational current at AC-12 maximum	10 A
at 400 V rated value	operational current at AC-15	
	• at 230 V rated value	6 A
• at 690 V rated value	at 400 V rated value	3 A
operational current at DC-13	at 500 V rated value	2 A
	at 690 V rated value	1 A
at 48 V rated value at 10 V rated value 2 A at 110 V rated value 1 A at 110 V rated value 2 A at 110 V rated value 3 A 3 A 5 A at 220 V rated value 3 A 5 A 5 A 5 A 5 A 5 A 5 A 5 A 5 A 5 A 5	operational current at DC-13	
at 100 V rated value at 110 V rated value at 1220 V rated value at 2220 V rated value at 2220 V rated value at 2200 V rated value at 600 V rated value design of the miniature circuit breaker for short-circuit protection ground function short circuit protection product function short circuit protection for short-circuit protection of the main circuit with type of coordination 1 required after 300 V, 50 kA) for short-circuit protection of the auxiliary switch required with type of assignment 2 required for short-circuit protection of the auxiliary switch required ge: 400 A (690 V, 100 kA) ge: 400 A (690 V, 10	at 24 V rated value	10 A
at 110 V rated value at 125 V rated value at 220 V rated value at 600 V rated value besign of the miniature circuit breaker for short-circuit protection of the auxiliary switch required contact reliability of auxiliary contacts Short-circuit protection product function short circuit protection design of the fuse link for short-circuit protection of the main circuit - with type of coordination 1 required with type of assignment 2 required for short-circuit protection of the auxiliary switch required short-circuit protection of the auxiliary switch required with type of assignment 2 required for short-circuit protection of the auxiliary switch required with type of sasignment 2 required fastellation/ 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 height width fi60 mm depth 225 mm required spacing with side-by-side mounting - forwards - quywards - quywards - downwards - downwards - downwards - at the side for grounded parts - forwards - f	at 48 V rated value	2 A
at 125 V rated value at 220 V rated value at 220 V rated value 0.3 A at 230 V rated value 0.1 A design of the miniature circuit breaker for short-circuit protection of the auxiliary switch required contact reliability of auxiliary contacts 1 faulty switching per 100 million (17 V, 1 mA) Short-circuit protection Product function short circuit protection design of the fuse link for short-circuit protection of the main circuit with type of coordination 1 required with type of assignment 2 required for short-circuit protection of the auxiliary switch required for short-circuit protection of the auxiliary switch required for short-circuit protection of the auxiliary switch required with type of assignment 2 required for short-circuit protection of the auxiliary switch required for short-circuit protection of the auxiliary switch required for short-circuit protection of the auxiliary switch required for short-circuit protection of the auxiliary switch required for short-circuit protection of the auxiliary switch required for short-circuit protection of the auxiliary switch required for short-circuit protection of the auxiliary switch required for short-circuit protection of the main circuit with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/-22.5° tiltable to the front and back fastening method screw fixing the vertical mounting surface +/-90° rotatable, with vertical mounting surface 4/- 22.5° tiltable to the front and back for minimum at the side with side-by-side mounting forwards upwards	at 60 V rated value	2 A
at 220 V rated value at 600 V rated value 0.1 A gesign of the miniature circuit breaker for short-circuit protection of the auxiliary switch required contact reliability of auxiliary contacts 1 faulty switching per 100 million (17 V, 1 mA) Short-circuit protection product function short circuit protection which type of coordination 1 required with type of assignment 2 required for short-circuit protection of the main circuit which type of assignment 2 required for short-circuit protection of the auxiliary switch required with type of assignment 2 required for short-circuit protection of the auxiliary switch required for short-circuit protection of the auxiliary switch required spacing with vertical mounting surface +/-90" rotatable, with vertical mounting surface +/- 22.5" tiltable to the front and back screw fixing height 214 mm width depth 225 mm required spacing with side-by-side mounting — forwards — upwards — upwards — upwards — downwards — downwards — downwards — at the side for grounded parts — forwards —	at 110 V rated value	1 A
est 600 V rated value design of the miniature circuit breaker for short-circuit protection of the auxiliary switch required contact reliability of auxiliary contacts I faulty switching per 100 million (17 V, 1 mA) Short-circuit protection product function short circuit protection design of the fuse link for short-circuit protection of the main circuit - with type of coordination 1 required gR: 710 A (690 V, 50 kA) for short-circuit protection of the auxiliary switch required gR: 710 A (690 V, 100 kA) for short-circuit protection of the auxiliary switch required gR: 710 A (690 V, 100 kA) for short-circuit protection of the auxiliary switch required gR: 710 A (690 V, 100 kA) for short-circuit protection of the auxiliary switch required gR: 710 A (690 V, 100 kA) for short-circuit protection of the auxiliary switch required gR: 710 A (690 V, 100 kA) for short-circuit protection of the auxiliary switch required gR: 710 A (690 V, 100 kA) fastening menthod with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/-22.5° tiltable to the front and back fastening method screw fixing height 214 mm width 160 mm depth 225 mm required spacing with side-by-side mounting - forwards 20 mm - upwards 10 mm - downwards 10 mm - downwards 10 mm - at the side 0 mm for grounded parts - forwards 20 mm	• at 125 V rated value	0.9 A
design of the miniature circuit breaker for short-circuit protection of the auxiliary switch required contact reliability of auxiliary contacts 1 faulty switching per 100 million (17 V, 1 mA) Short-circuit protection product function short circuit protection design of the fuse link • for short-circuit protection of the main circuit — with type of coordination 1 required — with type of assignment 2 required 9 (800 A (690 V, 50 kA) 9 (87 710 A (690 V, 100 kA) 9 (87 10 A (500 V, 1 kA) Installation/ mounting/ dimensions mounting position with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiliable to the front and back fastening method screw fixing height 214 mm width 160 mm depth 225 mm required spacing • with side-by-side mounting — forwards — downwards — downwards — 10 mm — at the side • for grounded parts — forwards — forwards — forwards — 10 mm • for grounded parts — forwards —	• at 220 V rated value	0.3 A
of the auxiliary switch required contact reliability of auxiliary contacts Short-circuit protection product function short circuit protection design of the fuse link • for short-circuit protection of the main circuit — with type of coordination 1 required • for short-circuit protection of the auxiliary switch required • for short-circuit protection of the auxiliary switch required • for short-circuit protection of the auxiliary switch required • for short-circuit protection of the auxiliary switch required • for short-circuit protection of the auxiliary switch required • for short-circuit protection of the auxiliary switch required • for short-circuit protection of the auxiliary switch required • for short-circuit protection of the auxiliary switch required • for short-circuit protection of the auxiliary switch required • for short-circuit protection of the auxiliary switch required • for short-circuit protection of the main circuit — with type of assignment 2 required • with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing • with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing • with side-by-side mounting • for mm • with side-by-side mounting - forwards - upwards - upwards - upwards - upwards - upwards - downwards - downwards - downwards - downwards - downwards - for grounded parts - forwards - for	 at 600 V rated value 	0.1 A
Short-circuit protection No		gG: 10 A (230 V, 400 A)
product function short circuit protection design of the fuse link • for short-circuit protection of the main circuit — with type of coordination 1 required gR: 710 A (690 V, 50 kA) — with type of assignment 2 required gR: 710 A (690 V, 100 kA) • for short-circuit protection of the auxiliary switch required gR: 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 screw fixing height 214 mm width 160 mm depth 225 mm required spacing • with side-by-side mounting — forwards — upwards — upwards — downwards — downwards — at the side • for grounded parts — forwards — forwards — to mm • for grounded parts — forwards — forwards — forwards — forwards — to mm • for grounded parts — forwards — at the side — forwards — forward	contact reliability of auxiliary contacts	1 faulty switching per 100 million (17 V, 1 mA)
design of the fuse link • for short-circuit protection of the main circuit with type of coordination 1 required gG: 800 A (690 V, 50 kA) with type of assignment 2 required for short-circuit protection of the auxiliary switch required gG: 10 A (500 V, 100 kA) gG: 10 A (500 V, 1 kA) Installation/ mounting/ dimensions with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/-22.5° tiltable to the front and back fastening method screw fixing height 214 mm width 160 mm depth 225 mm required spacing	Short-circuit protection	
• for short-circuit protection of the main circuit — with type of coordination 1 required — with type of assignment 2 required • for short-circuit protection of the auxiliary switch required • for short-circuit protection of the auxiliary switch required protection of the auxiliary switch required scale	product function short circuit protection	No
with type of coordination 1 required with type of assignment 2 required with type of assignment 2 required for short-circuit protection of the auxiliary switch required for short-circuit protection of the auxiliary switch required for wards downwards downwards for grounded parts forwards at the side forwards forwa	design of the fuse link	
— with type of assignment 2 required	 for short-circuit protection of the main circuit 	
for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions	 — with type of coordination 1 required 	gG: 800 A (690 V, 50 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 height 214 mm width 160 mm depth 225 mm required spacing with side-by-side mounting - forwards - upwards - downwards - downwards - at the side for grounded parts - forwards - forwards - forwards - forwards - at the side - for grounded parts - forwards - with vertical mounting surface +/-90° rotatable, with vertical mounting +/-90° rotatable, with vertical mounti	,,	gR: 710 A (690 V, 100 kA)
mounting position with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/-22.5° tiltable to the front and back fastening method screw fixing height 214 mm width 160 mm depth required spacing with side-by-side mounting - forwards - upwards - downwards - at the side for grounded parts - forwards - forwards 20 mm 10 mm 0 mm	for short-circuit protection of the auxiliary switch required	gG: 10 A (500 V, 1 kA)
#/- 22.5° tiltable to the front and back fastening method screw fixing height 214 mm width 160 mm depth 225 mm required spacing • with side-by-side mounting — forwards 20 mm — upwards 10 mm — downwards 10 mm — at the side • for grounded parts — forwards 20 mm	Installation/ mounting/ dimensions	
fastening methodscrew fixingheight214 mmwidth160 mmdepth225 mmrequired spacing** with side-by-side mounting— forwards20 mm— upwards10 mm— downwards10 mm— at the side0 mm• for grounded parts0 mm— forwards20 mm	mounting position	
height 214 mm width 160 mm depth 225 mm required spacing • with side-by-side mounting — forwards 20 mm — upwards 10 mm — downwards 10 mm — at the side 0 mm • for grounded parts 20 mm		
width depth 225 mm required spacing • with side-by-side mounting — forwards — upwards — downwards — at the side • for grounded parts — forwards — forwards 20 mm 10 mm 0 mm		
depth 225 mm required spacing • with side-by-side mounting — forwards 20 mm — upwards 10 mm — downwards 10 mm — at the side 0 mm • for grounded parts 20 mm		
required spacing • with side-by-side mounting — forwards — upwards — downwards — at the side • for grounded parts — forwards — forwards 20 mm 10 mm 0 mm		
 with side-by-side mounting forwards upwards downwards at the side for grounded parts forwards forwards 20 mm 0 mm 20 mm 	·	(11111)
 — forwards — upwards — downwards — at the side • for grounded parts — forwards 20 mm 		
— upwards 10 mm — downwards 10 mm — at the side 0 mm • for grounded parts 20 mm	-	00
— downwards 10 mm — at the side 0 mm • for grounded parts — forwards 20 mm		
 — at the side o for grounded parts — forwards 20 mm 	•	
 for grounded parts forwards 20 mm 		
— forwards 20 mm		0 mm
	-	
— upwards 10 mm		
	— upwards	10 mm

	40
— 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	Connection bar
 for auxiliary and control circuit 	screw-type terminals
 at contactor for auxiliary contacts 	Screw-type terminals
of magnet coil	Screw-type terminals
width of connection bar	25 mm
thickness of connection bar	6 mm
diameter of holes	11 mm
number of holes	1
connectable conductor cross-section for main contacts	
 solid or stranded 	70 240 mm²
• stranded	70 240 mm²
connectable conductor cross-section for auxiliary contacts	
 solid or stranded 	0.5 4 mm²
finely stranded with core end processing	0.5 2.5 mm²
type of connectable conductor cross-sections	
 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
Safety related data	
product function	
 mirror contact according to IEC 60947-4-1 	Yes
 positively driven operation according to IEC 60947-5-1 	No
suitable for safety function	Yes
suitability for use safety-related switching OFF	Yes; safety-related disconnection via A1 A2
service life maximum	20 a
proportion of dangerous failures	
 with low demand rate according to SN 31920 	40 %
with high demand rate according to SN 31920	73 %
B10 value with high demand rate according to SN 31920	1 000 000
failure rate [FIT] with low demand rate according to SN 31920	100 FIT
ISO 13849	
device type according to ISO 13849-1	3
overdimensioning according to ISO 13849-2 necessary	Yes
IEC 61508	
safety device type according to IEC 61508-2	Type A
Electrical Safety	
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
Approvals Certificates	
General Product Approval	
T. C.	







Confirmation





EMV Functional Saftey Test Certificates Marine / Shipping



Type Examination Certificate

Special Test Certificate

Type Test Certificates/Test Report





Marine / Shipping other

Lloyd's Register





Confirmation

Confirmation

Miscellaneous

Railway Environment

Special Test Certificate

Environmental Confirmations

Further information

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=3RT1476-6NB36

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT1476-6NB36

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

https://support.industry.siemens.com/cs/ww/en/ps/3RT1476-6NB36

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

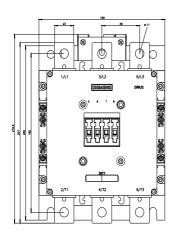
 $\underline{\text{http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RT1476-6NB36\&lang=en}}$

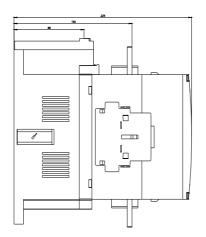
Characteristic: Tripping characteristics, I²t, Let-through current

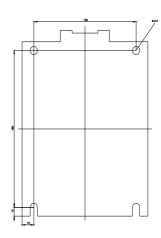
https://support.industry.siemens.com/cs/ww/en/ps/3RT1476-6NB36/char

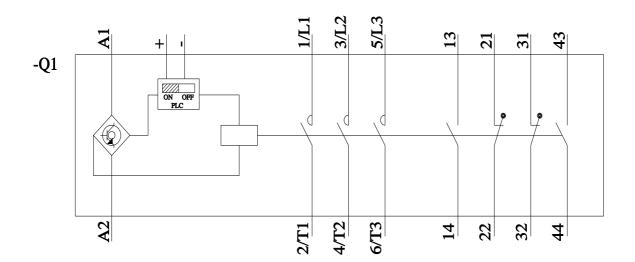
Further characteristics (e.g. electrical endurance, switching frequency)

http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT1476-6NB36&objecttype=14&gridview=view1









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