SIEMENS

Data sheet 3RT1476-6AP36



power contactor AC-1 690 A / 690 V / 40 $^{\circ}$ C 3-pole, Uc: 220-240 V AC(50-60 Hz) / DC drive: conventional 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	10 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
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	Blei - 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	AC .
•	
 at AC-1 — up to 690 V at ambient temperature 40 °C rated 	690 A
value — up to 690 V at ambient temperature 55 °C rated	650 A
value — up to 690 V at ambient temperature 60 °C rated	650 A
value	
• at AC-3	470 A
— at 400 V rated value	170 A
— at 690 V rated value minimum cross-section in main circuit at maximum AC-1 rated	170 A 480 mm ²
no-load switching frequency	
	2.000 1/h
• at AC	2 000 1/h
• at DC	2 000 1/h
operating frequency at AC-1 maximum	600 1/h
Control circuit/ Control	ACIDO
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	220 240 V
at 60 Hz rated value	220 240 V
control supply voltage at DC rated value	220 240 V
operating range factor control supply voltage rated value of	
magnet coil at DC	
• 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
design of the surge suppressor	with varistor
apparent pick-up power	
 at minimum rated control supply voltage at AC 	
— at 50 Hz	700 VA
— at 60 Hz	700 VA
at maximum rated control supply voltage at AC	
— at 60 Hz	830 VA
— at 50 Hz	830 VA
apparent pick-up power of magnet coil at AC	
● at 50 Hz	830 VA
inductive power factor with closing power of the coil	
● at 50 Hz	0.9
apparent holding power	
at minimum rated control supply voltage at DC	8.5 VA
at maximum rated control supply voltage at DC	10 VA
apparent holding power	
at minimum rated control supply voltage at AC	
— at 50 Hz	7.6 VA
— at 60 Hz	7.6 VA
— aเ อบ ⊓∠ • at maximum rated control supply voltage at AC	1.0 1/1
	9.2 VA
— at 50 Hz	
— at 60 Hz	9.2 VA
apparent holding power of magnet coil at ACat 50 Hz	9.2 VA
inductive power factor with the holding power of the coil	

Closing power of magnet coil at DC	• at 50 Hz	0.9
holding power of magnet coil at DC closing delay at AC at DC at DC believe that AC at AC at AC at AC at AC at AC believe that AC at AC at AC at AC believe that AC at AC at AC believe that AC at AC believe that AC believe th		
closing delay		10 W
at AC		
• at DC opening delay • at AC • at DC control version of the switch operating mechanism control version of the switch operating mechanism Auxiliary circuit number of NC contacts for auxiliary contacts • attachable • instantaneous contact contact for NO contacts for auxiliary contacts • attachable • instantaneous contact coperational current at AC-12 maximum operational current at AC-12 maximum operational current at AC-12 maximum operational current at DC-13 • at 400 V rated value • at 400 V rated value • at 600 V rated value • at 48 V rated value • at 400 V rated value • at 500 V rated value • at 500 V rated value • at 500 V rated value • at 600 V rated value • at		45 100 ms
e at AC 60 100 ms arcing time 10 15 ms control version of the switch operating mechanism Auxiliary circuit mumber of NC contacts for auxiliary contacts 2 attachable 4 e instantaneous contact 2 number of NC contacts for auxiliary contacts 2 attachable 4 e instantaneous contact 2 coperational 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 AC-13 maximum 10 A operational current at AC-15 6 at 230 V rated value 6 A at 500 V rated value 1 A at 500 V rated value 1 A at 600 V rated value 1 A at 600 V rated value 1 A at 600 V rated value 2 A at 600 V rated value 2 A at 600 V rated value 1 A at 600 V rated value 2 A at 600 V rated value 1 A at 600 V rated value 2 A at 600 V rated value 2 A at 600 V rated value 3 A at 240 V rated value 3 A at 250 V rated value 3 A at 250 V rated value 3 A at 250 V rated value 3 A at 350 V rated value 4 A at 350 V rated value 5 A at 350 V rated value 6 A at 350 V rated value 7 A at 350 V	• at DC	
e at AC 60 100 ms arcing time 10 15 ms control version of the switch operating mechanism Auxiliary circuit mumber of NC contacts for auxiliary contacts 2 attachable 4 e instantaneous contact 2 number of NC contacts for auxiliary contacts 2 attachable 4 e instantaneous contact 2 coperational 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 AC-13 maximum 10 A operational current at AC-15 6 at 230 V rated value 6 A at 500 V rated value 1 A at 500 V rated value 1 A at 600 V rated value 1 A at 600 V rated value 1 A at 600 V rated value 2 A at 600 V rated value 2 A at 600 V rated value 1 A at 600 V rated value 2 A at 600 V rated value 1 A at 600 V rated value 2 A at 600 V rated value 2 A at 600 V rated value 3 A at 240 V rated value 3 A at 250 V rated value 3 A at 250 V rated value 3 A at 250 V rated value 3 A at 350 V rated value 4 A at 350 V rated value 5 A at 350 V rated value 6 A at 350 V rated value 7 A at 350 V	opening delay	
arcing time		60 100 ms
control version of the switch operating mechanism Auxiliary circuit number of NC contacts for auxiliary contacts attachable instantaneous contact contact for auxiliary contacts attachable instantaneous contact correct at AC-15 at 230 V rated value at 400 V rated value at 500 V rated value at 600 V rated value at 48 V rated value at 48 V rated value at 100 V rated value at 80 V rated value at 100 V rated value at 20 V rated value at 20 V rated value at 20 V rated value at 80 V ra	• at DC	60 100 ms
Auxiliary circuit number of NC contacts for auxiliary contacts	arcing time	10 15 ms
number of NC contacts for auxiliary contacts • attachable • 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 400 V rated value • at 60 V rated value • at 110 V rated value • at 110 V rated value • at 120 V rated value • at 110 V rated value • at 120 V rated valu	control version of the switch operating mechanism	Standard A1 - A2
attachable instantaneous contact number of NO contacts for auxiliary contacts attachable instantaneous contact operational current at AC-12 maximum operational current at AC-15 at 230 V rated value at 230 V rated value at 300 V rated value at 600 V rated value at 600 V rated value at 600 V rated value at 600 V rated value at 60 V rated value at 125 V rated value at 126 V rated value at 127 V rated value at 128 V rated value at 129 V rated value at 120 V rated value at 120 V rated value at 120 V rated value at 125 V rated value at 125 V rated value at 126 V rated value at 127 V rated value at 128 V rated value at 129 V rated value at 129 V rated value at 120 V rated value but 12 V rated value at 120 V rated value at 120 V rated value at 120 V rated value but 120 V rated value at 120 V rated value but 120 V	Auxiliary circuit	
instantaneous contact 2	number of NC contacts for auxiliary contacts	2
number of NO contacts for auxiliary contacts 2 ● attachable 4 ● instantaneous contact 2 operational current at AC-12 maximum 10 A operational current at AC-15 6 A ● at 230 V rated value 3 A ● at 500 V rated value 2 A ● at 690 V rated value 1 A ● at 24 V rated value 2 A ● at 46 V rated value 2 A ● at 46 V rated value 2 A ● at 10 V rated value 2 A ● at 10 V rated value 1 A ● at 22 V rated value 0.9 A ● at 220 V rated value 0.9 A ● at 600 V rated value 0.1 A ● at 600 V rated value 0.9 A ● at 600 V rated value 0.9 A ● at 600 V rated value 0.1 A ● or short-circuit protection gG: 10 A (230 V, 400 A) of the auxiliary switch required<	attachable	4
attachable instantaneous contact operational current at AC-12 maximum operational current at AC-15 at 230 V rated value at 400 V rated value 3 A at 690 V rated value 4 A operational current at DC-13 at 400 V rated value 5 A at 690 V rated value 4 A operational current at DC-13 at 40 V rated value 5 A 5 A 5 A 5 A 5 A 5 A 5 A 5 A 5 A 5 A	instantaneous contact	2
instantaneous contact operational current at AC-12 maximum operational current at AC-12 maximum operational current at AC-15 * at 230 V rated value * at 400 V rated value * at 400 V rated value * at 500 V rated value * at 500 V rated value * at 500 V rated value * at 24 V rated value * at 60 V rated value * at 60 V rated value * at 150 V rated value * at 24 V rated value * at 25 V rated value * at 20 V rated value * at 60 V rated valu	number of NO contacts for auxiliary contacts	2
operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 500 V rated value • at 690 V rated value • at 120 V rated value • at 150 V rated value • at 125 V rated value • at 125 V rated value • at 20 V rated value • at 600 V rated value • at	attachable	4
operational current at AC-15 at 230 V rated value at 500 V rated value 2 A at 690 V rated value 1 A operational current at DC-13 at 24 V rated value 2 A at 48 V rated value 2 A at 690 V rated value 2 A at 48 V rated value 2 A at 48 V rated value 2 A at 60 V rated value 2 A at 110 V rated value 2 A at 110 V rated value 3 A 4 V rated value 4 A 5 A V rated value 5 A V rated value 6 A 5 A V rated value 6 A 5 A V rated value 7 A 5 A V rated value 7 A 5 A V rated value 8 A V rated value 9 A V rate value 9 A V rated value 9 A V rate value 9 A V ratevalue 9 A V ratevalu	instantaneous contact	2
operational current at AC-15	operational current at AC-12 maximum	10 A
at 400 V rated value at 500 V rated value at 690 V rated value perational current at DC-13 at 24 V rated value at 48 V rated value at 48 V rated value at 10 V rated value at 110 V rated value at 125 V rated value at 20 V rated value at 6869 O V rated value at 6869 O V rated value besign of the miniature circuit breaker for short-circuit protection for 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 short-circuit protection of the short-circuit protection of the short-circuit protection of the short-circuit protection of t		
at 500 V rated value at 690 V rated value 1 A operational current at DC-13 at 22 4 V rated value 2 A at 48 V rated value 2 A at 80 V rated value 2 A at 110 V rated value 2 A at 110 V rated value 3 A at 125 V rated value 3 A at 125 V rated value 3 A at 1220 V rated value 3 A at 125 V rated value 4 A at 125 V rated value 5 A 5 V rated value 6 A 5 V rated value 7 A 8 A 8 A 8 A 8 A 8 A 8 A 8 A 8 A 8 A 8	• at 230 V rated value	6 A
at 690 V rated value operational current at DC-13 at 24 V rated value at 48 V rated value at 60 V rated value at 10 V rated value at 10 V rated value at 20 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 for short-circuit protection product function short circuit protection design of the fuse link for short-circuit protection of the main circuit	• at 400 V rated value	3 A
operational current at DC-13 • 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 220 V rated value • at 2600 V rated value • at 2600 V rated value • at 270 V rated value • at 28 V rated value • at 28 V rated value • at 29 V rated value • at 200 V rated value • at 200 V rated value • at 200 V rated value	• at 500 V rated value	2 A
at 24 V rated value at 48 V rated value 2 A at 48 V rated value 2 A at 60 V rated value 3 th 10 V rated value 3 th 125 V rated value 3 th 220 V rated value 3 th 220 V rated value 3 th 200 V rated value 4 th 200 V rated value 5 th 200 V rated value 6 th 200 V rated value 7 th 200 V rated value 8 th 200 V rated value 9 th 200 V rated value 10 th 200 V rated value 11 th 200 V rated value 12 th 200 V rated value 13 th 200 V rated value 14 th 200 V rated value 15 th 200 V rated value 16 th 200 V rated value 17 th 200 V rated value 18 th 200 V rated value 19 th 200 V rated value 10 th 200 V r	at 690 V rated value	1 A
at 48 V rated value at 60 V rated value at 110 V rated value at 125 V rated value at 22 A at 22 V rated value at 22 V rated value at 220 V rated value at 220 V rated value at 200 V rated value at 200 V rated value at 200 V rated value outsiliary switch required contact reliability of auxiliary contacts Short-circuit protection product function short circuit protection for the fuse link for short-circuit protection of the main circuit with type of coordination 1 required at of or 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 +/-20° rotatable, with vertical mounting su	operational current at DC-13	
at 10 V rated value at 110 V rated value at 125 V rated value at 220 V rated value at 220 V rated value at 600 V rated value at 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 with type of assignment 2 required for short-circuit protection of the auxiliary switch required for short-circuit protection of the main circuit with type of coordination 1 required for short-circuit protection of the main circuit short for auxiliary to A (590 V, 100 kA) gG: 800 A (690 V, 50 kA) gR: 710 A (690 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	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 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 gG: 800 A (690 V, 50 kA) with type of assignment 2 required gG: 10 A (500 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 fastening method side-by-side mounting Yes height depth 225 mm 	at 48 V rated value	2 A
 at 125 V rated value at 220 V rated value at 600 V rated value 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 for short-circuit protection of the auxiliary switch required gR: 800 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 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 fastening method side-by-side mounting Yes height 214 mm width depth 225 mm 	• at 60 V rated value	2 A
at 220 V rated value at 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 gG: 800 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 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 • fastening method side-by-side mounting Yes height width depth	• at 110 V rated value	1 A
e at 600 V rated value 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 • 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 vertical mounting surface +/-90° rotatable, with vertical mounting surface +/-22.5° tiltable to the front and back • fastening method • fastening method side-by-side mounting • fastening method side-by-side mounting height width depth 225 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 • 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 with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back • fastening method • fastening method side-by-side mounting height width 160 mm depth	• at 220 V rated value	0.3 A
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 9G: 800 A (690 V, 50 kA) — with type of assignment 2 required 9G: 10 A (500 V, 100 kA) • for short-circuit protection of the auxiliary switch required 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 • fastening method side-by-side mounting height width depth 225 mm	at 600 V rated value	0.1 A
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 — with type of assignment 2 required 9G: 800 A (690 V, 50 kA) — with type of assignment 2 required 9G: 10 A (500 V, 100 kA) • for short-circuit protection of the auxiliary switch required 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 • fastening method side-by-side mounting height width 160 mm depth 225 mm		gG: 10 A (230 V, 400 A)
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 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) 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 • fastening method side-by-side mounting Yes height width 160 mm depth		46 11 (47) (47)
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 gG: 800 A (690 V, 50 kA) — with type of assignment 2 required • for short-circuit protection of the auxiliary switch required gG: 710 A (690 V, 100 kA) 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 • fastening method side-by-side mounting Yes height width 160 mm depth		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 — with type of assignment 2 required 9 gs: 800 A (690 V, 50 kA) 9 for short-circuit protection of the auxiliary switch required 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 • fastening method side-by-side mounting • fastening method side-by-side mounting height width 160 mm depth 225 mm		
• for short-circuit protection of the main circuit — with type of coordination 1 required		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 Installation/ mounting/ dimensions — with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/-22.5° tiltable to the front and back Fastening method — fastening method side-by-side mounting — fastening method side-by-side mounting — fastening method side-by-side mounting — tiltable to the front and back 		
— with type of assignment 2 required gR: 710 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 side-by-side mounting Yes height 214 mm width 160 mm depth 225 mm	•	-O. 000 A (000 V FO IA)
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 • fastening method side-by-side mounting Yes height 214 mm width 160 mm depth 225 mm		
 mounting position with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back fastening method fastening method side-by-side mounting height width mm mm depth 225 mm 		gG. 10 A (500 V, 1 KA)
+/- 22.5° tiltable to the front and back • fastening method • fastening method side-by-side mounting Yes height 214 mm width 160 mm depth 225 mm		with vertical mounting curface 1/00° rotatable with vertical recording and
● fastening method side-by-side mounting Neight Width 160 mm depth 225 mm	mounting position	
● fastening method side-by-side mounting Peight Width 160 mm depth 225 mm		
height 214 mm width 160 mm depth 225 mm	fastening method	screw fixing
width 160 mm depth 225 mm	 fastening method side-by-side mounting 	Yes
depth 225 mm	height	214 mm
<u> </u>	width	160 mm
roquired engeing	depth	225 mm
required spacifig	required spacing	
with side-by-side mounting	with side-by-side mounting	
— forwards 20 mm	— forwards	20 mm
— upwards 10 mm	— upwards	10 mm
— downwards 10 mm	— downwards	10 mm
— at the side 0 mm	— at the side	0 mm
• for grounded parts	 for grounded parts 	
— forwards 20 mm	— forwards	20 mm
— upwards 10 mm	— upwards	10 mm
— at the side 10 mm		10

— 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
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







Confirmation





General Product Approval

EMV

Functional Saftey

Test Certificates





Type Examination Certificate

Type Test Certificates/Test Report

Special Test Certificate

Miscellaneous

Marine / Shipping











Confirmation

other Railway

other

Special Test Certificate

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=3RT1476-6AP36

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT1476-6AP36

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

https://support.industry.siemens.com/cs/ww/en/ps/3RT1476-6AP36

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

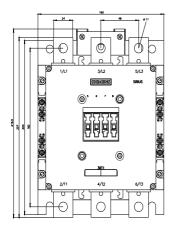
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RT1476-6AP36&lang=er

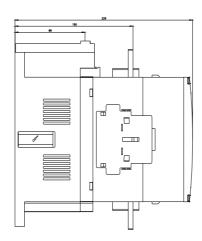
Characteristic: Tripping characteristics, I²t, Let-through current

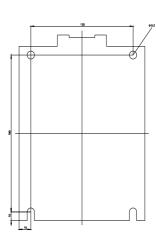
https://support.industry.siemens.com/cs/ww/en/ps/3RT1476-6AP36/char

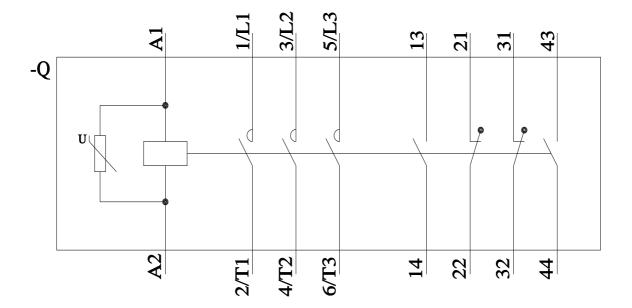
Further characteristics (e.g. electrical endurance, switching frequency)

http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT1476-6AP36&objecttype=14&gridview=view1









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