SIEMENS

Data sheet 3RT1264-6NP36



vacuum contactor AC-3e/AC-3 225 A, 110 kW / 400 V, 3-pole, Uc: 200-277 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	Vacuum contactor
product type designation	3RT12
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	
 at AC in hot operating state 	27 W
 at AC in hot operating state per pole 	9 W
without load current share typical	3.4 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
maximum permissible voltage for protective separation between coil and main contacts according to EN 60947-1	690 V
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 Lead monoxide (lead oxide) - 1317-36-8 2,2',6,6'-tetrabromo-4,4'-isopropylidenediphenol - 79-94-7 6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol - 119-47-1 Perfluorobutane sulfonic acid (PFBS) and its salts
Weight	7.409 kg
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
operating voltage	
 at AC-3 rated value maximum 	1 000 V
 at AC-3e rated value maximum 	1 000 V
operational current	
 at AC-1 at 400 V at ambient temperature 40 °C rated value at AC-1 	330 A
— up to 690 V at ambient temperature 40 °C rated value	330 A
— up to 690 V at ambient temperature 60 $^{\circ}\text{C}$ rated value	300 A
• at AC-3	
— at 400 V rated value	225 A
— at 500 V rated value	225 A
— at 690 V rated value	225 A
• at AC-3e	
— at 400 V rated value	225 A
— at 500 V rated value	225 A
— at 690 V rated value	225 A
 at AC-4 at 400 V rated value 	195 A
• at AC-6a	
— up to 230 V for current peak value n=20 rated value	225 A
— up to 400 V for current peak value n=20 rated value	225 A
— up to 500 V for current peak value n=20 rated value	225 A
 up to 690 V for current peak value n=20 rated value 	225 A
• at AC-6a	
 up to 230 V for current peak value n=30 rated value 	209 A
— up to 400 V for current peak value n=30 rated value	209 A
— up to 500 V for current peak value n=30 rated value	209 A
— up to 690 V for current peak value n=30 rated value	209 A
minimum cross-section in main circuit at maximum AC-1 rated value	185 mm ²
operational current for approx. 200000 operating cycles at AC-4	
• at 400 V rated value	97 A
at 690 V rated value	97 A
operating power	
• at AC-3	
— at 230 V rated value	55 kW
— at 400 V rated value	110 kW
— at 500 V rated value	160 kW
— at 690 V rated value	200 kW
• at AC-3e	
— at 230 V rated value	55 kW
— at 400 V rated value	110 kW
— at 500 V rated value	160 kW
— at 690 V rated value	200 kW
operating power for approx. 200000 operating cycles at AC-	
• at 400 V rated value	55 kW
at 690 V rated value	94 kW
operating apparent power at AC-6a	
• up to 230 V for current peak value n=20 rated value	90 kVA
 up to 400 V for current peak value n=20 rated value 	150 kVA

• up to 500 V for current peak value n=20 rated value	190 kVA
• up to 690 V for current peak value n=20 rated value	260 kVA
operating apparent power at AC-6a	
• up to 230 V for current peak value n=30 rated value	80 kVA
 up to 400 V for current peak value n=30 rated value 	140 kVA
 up to 500 V for current peak value n=30 rated value 	180 kVA
 up to 690 V for current peak value n=30 rated value 	250 kVA
up to 1000 V for current peak value n=30 rated value	360 kVA
no-load switching frequency	
• at AC	1 000 1/h
• at DC	1 000 1/h
operating frequency	
• at AC-1 maximum	800 1/h
• at AC-2 maximum	300 1/h
• at AC-3 maximum	750 1/h
• at AC-3e	
— maximum	750 1/h
• at AC-4 maximum	250 1/h
Control circuit/ Control	ACIDO
type of voltage of the control supply voltage	AC/DC
control supply voltage at AC	200 277.1/
• at 50 Hz rated value	200 277 V
at 60 Hz rated value	200 277 V
control supply voltage at DC rated value operating range factor control supply voltage rated value of	200 277 V
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
type of PLC-control input according to IEC 60947-1	Type 2
consumed current at PLC-control input according to IEC 60947-1 maximum	20 mA
voltage at PLC-control input rated value	24 V
operating range factor of the voltage at PLC-control input	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	420 VA
— at 60 Hz	420 VA
 at maximum rated control supply voltage at AC 	
— at 60 Hz	570 VA
— at 50 Hz	570 VA
apparent pick-up power of magnet coil at AC	
● at 50 Hz	570 VA
● at 60 Hz	570 VA
inductive power factor with closing power of the coil	
● at 50 Hz	0.8
● at 60 Hz	0.8
apparent holding power	
at minimum rated control supply voltage at DC	2.8 VA
at maximum rated control supply voltage at DC	3.4 VA
apparent holding power	
at minimum rated control supply voltage at AC	551/4
— at 50 Hz	5.5 VA
— at 60 Hz	5.5 VA
at maximum rated control supply voltage at AC	
— at 50 Hz	8.5 VA
— at 60 Hz	8.5 VA
inductive power factor with the holding power of the coil	

● at 50 Hz	0.5
• at 60 Hz	0.4
closing power of magnet coil at DC	630 W
holding power of magnet coil at DC	3.4 W
closing delay	
• at AC	45 80 ms
• at DC	45 80 ms
opening delay	10 00 mg
• at AC	80 100 ms
	80 100 ms
• 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 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	3 A
• at 500 V rated value	2 A
at 690 V rated value	1 A
operational current at DC-12	
at 24 V rated value	10 A
at 48 V rated value	6 A
at 40 V rated value at 60 V rated value	6 A
at 100 V rated value at 110 V rated value	3 A
• at 125 V rated value	2 A
• at 220 V rated value	1A
at 600 V rated value	0.15 A
operational current at DC-13	
at 24 V rated value	10 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
contact reliability of auxiliary contacts	1 faulty switching per 100 million (17 V, 1 mA)
UL/CSA ratings	
full-load current (FLA) for 3-phase AC motor	
• at 480 V rated value	180 A
at 400 V rated value at 600 V rated value	192 A
	1V4 /1
yielded mechanical performance [hp]	
• for 3-phase AC motor	00.1
— at 200/208 V rated value	60 hp
— at 220/230 V rated value	75 hp
— at 460/480 V rated value	150 hp
— at 575/600 V rated value	200 hp
contact rating of auxiliary contacts according to UL	A600 / Q600
Short-circuit protection	
design of the miniature circuit breaker for short-circuit protection of the auxiliary circuit up to 230 V	C characteristic: 10 A; 0.4 kA
design of the fuse link	
design of the lase link	
for short-circuit protection of the main circuit	
for short-circuit protection of the main circuit	gG: 500 A (690 V, 100 kA)
 for short-circuit protection of the main circuit — with type of coordination 1 required 	gG: 500 A (690 V, 100 kA) gG: 500 A (690 V, 100 kA), aM: 400 A (690 V, 50 kA), BS88: 450 A (415 V, 50
 for short-circuit protection of the main circuit — with type of coordination 1 required — with type of coordination 2 required 	gG: 500 A (690 V, 100 kA), aM: 400 A (690 V, 50 kA), BS88: 450 A (415 V, 50 kA)
for short-circuit protection of the main circuit — with type of coordination 1 required — with type of coordination 2 required for short-circuit protection of the auxiliary switch required	gG: 500 A (690 V, 100 kA), aM: 400 A (690 V, 50 kA), BS88: 450 A (415 V, 50
 for short-circuit protection of the main circuit — with type of coordination 1 required — with type of coordination 2 required 	gG: 500 A (690 V, 100 kA), aM: 400 A (690 V, 50 kA), BS88: 450 A (415 V, 50 kA)

fastening method width 210 mm depth 206 mm required spacing • with side-by-side mounting - forwards - upwards - upwards - upwards - at the side - ownwards - upwards - forgrounded parts - forwards - upwards - 10 mm - downwards - 10 mm - for live parts - forwards - 10 mm - downwards - 10 mm - ownwards - 10 mm - at the side - ownwards - 10 mm - ownedions? Trainals type of electrical connection - for auxiliary contacts - of requesting and control crout - at contactor for auxiliary contacts - of requesting and control crout - of auxiliary contacts - for auxiliary contacts - stranded - foles - 11 mm - umber of holes - 11 mm - umber of holes - 11 mm - umber of holes - 12 mm - ownectable conductor cross-sections - for auxiliary contacts - standed - finely stranded with one end processing - for AWG cables for main contacts - standed - finely stranded with one end processing - for AWG cables for auxiliary contacts - solid or stranded - finely stranded with one end processing - for AWG cables for auxiliary contacts - solid or stranded - finely stranded with one end processing - for AWG cables for auxiliary contacts - solid or stranded - finely stranded with one end processing - for AWG cables for auxiliary contacts - solid or stranded - finely stranded with one end processing - for AWG cables for auxiliary contacts - solid or stranded - finely stranded with core end processing - for AWG cables for auxiliary contacts - solid or stranded - finely stranded with core end processing - for AWG cables for auxiliary contacts - solid or stranded - finely stranded with core end processing - for AWG cables for auxiliary contacts - solid or stranded - finely stranded with core end processing - for AWG cables for auxiliary contacts - solid or stranded - finely stranded with core end processing - for AWG cables		and backward by +/- 22.5° on vertical mounting surface
	fastening method side-by-side mounting	Yes
Metabolic Spacing	fastening method	screw fixing
Description 206 mm Properties 200 mm	height	210 mm
evitried specing • with side-by-side mounting - loywards - upwards - downwards - at the side • for grounded parts - forwards - upwards - upwards - upwards - upwards - the side - forwards - upwards - upwards - the side	width	145 mm
with side-by-side mounting - forwards - downwards - downwards - of the side of grounded parts - for grounded parts - forwards - upwards - downwards - the side - for grounded parts - forwards - upwards - downwards - downwards - for live parts - forwards - downwards - for live parts - forwards - upwards - downwards - upwards - downwards - upwards - downwards - at the side - upwards - downwards - to mm - downwards - at the side - upwards - downwards - to mm - downwards - at the side - upwards - downwards - to mm - to make the side -	depth	206 mm
forwards upwards downwards at the side for grounded parts forwards forwards forwards forwards forwards upwards downwards downwards downwards downwards for live parts forwards formal commencements forwards downwards for main current circuit for auxiliary and control circuit for auxiliary contacts for auxiliary and control circuit for auxiliary contacts for auxiliary contacts for auxiliary contacts for AVIC cables for main contacts for AVIC cables for main contacts for auxiliary contacts for auxiliary contacts for auxiliary contacts for AVIC cables for auxiliary contacts for auxiliary contacts solid or stranded finely stranded with core end processing for AVIC cables for auxiliary contacts solid or stranded finely stranded with core end processing for auxiliary contacts solid or stranded finely stranded with core end processing for auxiliary contacts solid or stranded finely stranded with core end processing for auxiliary contacts solid or stranded finely stranded with core end processing for auxiliary contacts solid or stranded finely stranded with core end processing for auxiliary contacts solid or stranded finely stranded with core end processing for auxiliary contacts solid or stranded finely stranded with core end processing for auxiliary contacts solid or stranded finely stranded with core end processing for auxiliary contacts solid or stranded finely stranded with core end processing for auxiliary contacts solid or stranded finely	required spacing	
Forwards	with side-by-side mounting	
- downwards - at the side 0 mm - of the side 0 mm - for grounded parts - forwards 20 mm - upwards 10 mm - at the side 10 mm - downwards 10 mm - of this parts - forwards 20 mm - ownwards 10 mm - ownwards 10 mm - ownwards 10 mm - ownwards 10 mm - upwards 10 mm - ownwards 10 mm - at the side 10 mm - at the side 10 mm - at the side 10 mm - ownwards	-	20 mm
- at the side • for grounded parts - forwards - upwards - upwards - at the side - downwards - for live parts - forwards - upwards - for live parts - forwards - upwards - upwards - for live parts - forwards - upwards	— upwards	10 mm
- at the side • for grounded parts - forwards - upwards - at the side - downwards - for live parts - forwards - upwards - forwards - forwards - forwards - upwards - forwards - upwards - at the side - upwards - at the side - upwards -	— downwards	10 mm
• for grounded pants — forwards — upwards — at the side — downwards • for live parts — forwards — upwards • for live parts — forwards — upwards — downwards — 10 mm — at the side — to mm — to main current circuit • for auxiliary and control circuit • for auxiliary and control circuit • at contactor for auxiliary contacts • of magnet coil • for auxiliary and control circuit • at contactor for auxiliary contacts • of magnet coil • for Auxiliary contacts • of magnet coil • for auxiliary contacts • of magnet coil • for Auxiliary contacts • stranded connectable conductor cross-section for main contacts • solid or stranded - for AWG cables for auxiliary contacts • for auxi		
- forwards		
- upwards	·	20 mm
- at the side		
- downwards • for live parts - forwards - upwards - upwards - at the side - downwards - at the side - at the side - onnections/ Terminals type of electrical connection • for main current circuit • for auxiliary and control circuit • at contactor for auxiliary contacts • of magnet coil • downection bar soft diameter of holes - for AWG cables for main contacts • stranded - for AWG cables for unxiliary contacts • stranded - finely stranded with core end processing • for auxiliary contacts • solid or stranded - finely stranded with core end processing • for fax MWG cables for unxiliary contacts • for fax MWG cables for unxiliary contacts • solid or stranded - finely stranded with core end processing • for AWG cables for unxiliary contacts • for auxiliary contacts - solid or stranded - finely stranded with core end processing • for AWG cables for unxiliary contacts - solid or stranded - finely stranded with core end processing • for AWG cables for unxiliary contacts - solid or stranded - finely stranded with core end processing • for AWG cables for unxiliary contacts - solid or stranded - finely stranded with core end processing • for AWG cables for unxiliary contacts - solid or stranded - finely stranded with core end processing • for AWG cables for unxiliary contacts - solid or stranded - finely stranded with core end processing • for AWG cables for unxiliary contacts - solid or stranded - finely stranded with core end processing • for AWG cables for unxiliary contacts - solid or stranded - finely stranded with core end processing • for AWG cables for unxiliary contacts - solid or stranded - finely stranded with core end processing • for AWG cables for unxiliary contacts - solid or stranded - finely stranded with core end processing • for AWG cables for unxiliary contacts - solid or stranded - finely stranded with core end processing • for AWG cables for unxiliary contacts - solid or stranded - finely stranded with core end processing • for AWG cables for unxiliary contacts - solid or stranded - finely stranded	·	
• for live parts — forwards — upwards — downwards — downwards — at the side Onnections/Torminals type of electrical connection • for main current circuit • for auxiliary and control circuit • at contactor for auxiliary contacts • of magnet coil width of connection bar thickness of connection bar diameter of holes 11 mm number of holes 11 mm number of holes * for AWG cables for main contacts • stranded • finely stranded with core end processing • for awiliary contacts — solid — finely stranded with core end processing • for AWG cables for auxiliary contacts • for awiliary contacts • for awiliary contacts • stranded — finely stranded with core end processing • for AWG cables for main contacts • stranded — finely stranded with core end processing • for AWG cables for auxiliary contacts • stranded — finely stranded with core end processing • for AWG cables for auxiliary contacts • stranded — finely stranded with core end processing • for AWG cables for auxiliary contacts • stranded — finely stranded with core end processing • for AWG cables for auxiliary contacts • stranded — finely stranded with core end processing • for AWG cables for auxiliary contacts • stranded — finely stranded with core end processing • for AWG cables for auxiliary contacts • stranded — finely stranded with core end processing • for AWG cables for auxiliary contacts • stranded — finely stranded with core end processing • for AWG cables for auxiliary contacts • stranded — finely stranded with core end processing • for AWG cables for auxiliary contacts • for aviiiary contacts • stranded — finely stranded with core end processing • for AWG cables for auxiliary contacts • for aviiiary contacts • for av		
forwards 20 mm 10 mm 20 mm		10 111111
- upwards	·	00
- downwards		
at the side 10 mm connections/ Terminals type of electrical connection	•	
type of electrical connection • for main current circuit • of magnitury and control circuit • at contactor for auxiliary contacts • of magnet coil • of magnet of magnet coil • of mag		
type of electrical connection • for main current circuit • for auxiliary and control circuit • at contactor for auxiliary contacts • of magnet coil Screw-type terminals • of magnet coil Screw-type terminals * of magnet coil # Screw-type terminals * of magnet coil # Screw-type terminals * of magnet coil # Screw-type terminals # Screw-t		10 mm
• for main current circuit • for auxiliary and control circuit • act contactor for auxiliary contacts • at contactor for auxiliary contacts • of magnet coil Screw-type terminals width of connection bar thickness of connection bar diameter of holes		
of rauxiliary and control circuit of a contactor for auxiliary contacts of magnet coil identification bar diameter of holes thickness of connection bar diameter of holes	type of electrical connection	
• at contactor for auxiliary contacts • of magnet coil width of connection bar tickness of connection bar diameter of holes 11 mm number of holes 12 type of connectable conductor cross-sections • for AWG cables for auxiliary contacts — solid — finely stranded with core end processing • for AWG cables for auxiliary contacts — solid — solid or stranded — finely stranded with core end processing • for AWG cables for auxiliary contacts — solid — finely stranded with core end processing • for AWG cables for auxiliary contacts — solid or stranded — finely stranded with core end processing • for AWG cables for auxiliary contacts AWG number as coded connectable conductor cross section for auxiliary contacts afety related data product function • mirror contact according to IEC 60947-8-1 • positively driven operation according to IEC 60947-5-1 Rectrical Safety protection class IP on the front according to IEC 60529 finger-safe, for vertical contact from the front with box terminal/cover for extransition to fine the front according to IEC 60529 finger-safe, for vertical contact from the front with box terminal/cover	for main current circuit	Connection bar
• of magnet coil width of connection bar thickness of connection bar diameter of holes number of holes 11 mm number of holes 12/0 500 kcmil connectable conductor cross-sections • for AWG cables for main contacts • stranded connectable conductor cross-section for auxiliary contacts • stranded • finely stranded with core end processing • for auxiliary contacts - solid - solid or stranded - finely stranded with core end processing • for AWG cables for auxiliary contacts • for auxiliary contacts - solid - solid or stranded - finely stranded with core end processing • for auxiliary contacts - solid - solid or stranded - finely stranded with core end processing • for AWG cables for auxiliary contacts - solid or stranded - finely stranded with core end processing • for AWG cables for auxiliary contacts - solid or stranded - solid or strander - solid	 for auxiliary and control circuit 	screw-type terminals
width of connection bar thickness of connection bar diameter of holes 11 mm number of holes 12/0 500 kcmil connectable conductor cross-sections • for AWG cables for main contacts 2/0 500 kcmil connectable conductor cross-section for main contacts • stranded 70 240 mm² connectable conductor cross-section for auxiliary contacts • solid or stranded • finely stranded with core end processing • for auxiliary contacts - solid - solid or stranded - finely stranded with core end processing • for auxiliary contacts - solid - solid or stranded - finely stranded with core end processing • for AWG cables for auxiliary contacts - solid or stranded - finely stranded with core end processing 2x (0,5 1,5 mm²), 2x (0,75 2,5 mm²), max. 2x (0,75 4 mm²) - finely stranded with core end processing • for AWG cables for auxiliary contacts - finely stranded with core end processing • for AWG cables for auxiliary contacts - solid or stranded - finely stranded with core end processing • for AWG cables for auxiliary contacts - solid or stranded - finely stranded with core end processing • for auxiliary contacts - solid or stranded - finely stranded with core end processing • for awG cables for auxiliary contacts - solid or stranded - finely stranded with core end processing • for awG cables for auxiliary contacts - solid or stranded - finely stranded with core end processing • for pawG cables for auxiliary contacts - solid or stranded - finely stranded with core end processing - solid or stranded - solid or strander - solid or strande	 at contactor for auxiliary contacts 	Screw-type terminals
diameter of holes 11 mm number of holes 12/0 500 kcmil connectable conductor cross-sections • for AWG cables for main contacts • stranded connectable conductor cross-section for main contacts • stranded connectable conductor cross-section for auxiliary contacts • solid or stranded • finely stranded with core end processing • for auxiliary contacts — solid — solid — solid or stranded • finely stranded with core end processing • for auxiliary contacts — solid — solid or stranded — finely stranded with core end processing • for auxiliary contacts — solid — solid or stranded — finely stranded with core end processing • for AWG cables for auxiliary contacts AWG number as coded connectable conductor cross section for auxiliary contacts AWG number as coded connectable conductor cross section for auxiliary contacts afety related data product function • mirror contact according to IEC 60947-5-1 • positively driven operation according to IEC 60529 IPO0; IP20 with box terminal/cover finger-safe, for vertical contact from the front with box terminal/cover	of magnet coil	Screw-type terminals
diameter of holes number of holes type of connectable conductor cross-sections of r AWG cables for main contacts 2/0 500 kcmil connectable conductor cross-section for main contacts ostranded 70 240 mm² connectable conductor cross-section for auxiliary contacts osid or stranded finely stranded with core end processing type of connectable conductor cross-sections of rauxiliary contacts - solid - solid or stranded - solid or stranded - solid or stranded - finely stranded with core end processing 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), max. 2x (0.75 4 mm²) - solid or stranded - finely stranded with core end processing of rauxiliary contacts - solid - solid or stranded - finely stranded with core end processing of rauxiliary contacts 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), max. 2x (0.75 4 mm²) 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) of rawG cables for auxiliary contacts 2x (20 16), 2x (18 14), 1x 12 AWG number as coded connectable conductor cross section for auxiliary contacts afety related data product function of mirror contact according to IEC 60947-5-1 opositively driven operation according to IEC 60947-5-1 No Electrical Safety protection class IP on the front according to IEC 60529 finger-safe, for vertical contact from the front 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	width of connection bar	25 mm
type of connectable conductor cross-sections	thickness of connection bar	6 mm
type of connectable conductor cross-sections	diameter of holes	11 mm
• for AWG cables for main contacts • stranded connectable conductor cross-section for main contacts • stranded connectable conductor cross-section for auxiliary contacts • solid or stranded • finely stranded with core end processing • for auxiliary contacts • solid — solid — solid or stranded — finely stranded with core end processing • for auxiliary contacts — solid — solid or stranded — finely stranded with core end processing • for AWG cables for auxiliary contacts • for auxiliary contacts — solid or stranded — finely stranded with core end processing • for AWG cables for auxiliary contacts 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), max. 2x (0.75 4 mm²) 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), max. 2x (0.75 4 mm²) 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), max. 2x (0.75 4 mm²) 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), max. 2x (0.75 4 mm²) 1x (20 16), 2x (18 14), 1x 12 AWG number as coded connectable conductor cross 18 14 afety related data product function • mirror contact according to IEC 60947-4-1 • 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	number of holes	1
estranded onnectable conductor cross-section for auxiliary contacts solid or stranded of inely stranded with core end processing type of connectable conductor cross-sections of or auxiliary contacts — solid — solid — solid or stranded of inely stranded with core end processing 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), max. 2x (0.75 4 mm²) — solid or stranded — solid or stranded — solid or stranded — finely stranded with core end processing of or AWG cables for auxiliary contacts of or AWG cables for auxiliary contacts action for auxiliary contacts action for auxiliary contacts afety related data product function omirror contact according to IEC 60947-4-1 opositively driven operation according to IEC 60947-5-1 Electrical Safety protection class IP on the front according to IEC 60529 finger-safe, for vertical contact from the front with box terminal/cover finger-safe, for vertical contact from the front with box terminal/cover	type of connectable conductor cross-sections	
• stranded connectable conductor cross-section for auxiliary contacts • solid or stranded • finely stranded with core end processing type of connectable conductor cross-sections • for auxiliary contacts — solid — solid or stranded — solid or stranded — solid or stranded — finely stranded with core end processing • for AWG cables for auxiliary contacts • for AWG cables for auxiliary contacts action for auxiliary contacts section for auxiliary contacts after related data product function • mirror contact according to IEC 60947-4-1 • positively driven operation according to IEC 60947-5-1 Electrical Safety protection class IP on the front according to IEC 60529 finger-safe, for vertical contact from the front with box terminal/cover function the front with box terminal/cover finger-safe, for vertical contact from the front with box terminal/cover	for AWG cables for main contacts	2/0 500 kcmil
• stranded connectable conductor cross-section for auxiliary contacts • solid or stranded • finely stranded with core end processing type of connectable conductor cross-sections • for auxiliary contacts — solid — solid or stranded — solid or stranded — solid or stranded — finely stranded with core end processing • for AWG cables for auxiliary contacts • for AWG cables for auxiliary contacts action for auxiliary contacts section for auxiliary contacts after related data product function • mirror contact according to IEC 60947-4-1 • positively driven operation according to IEC 60947-5-1 Electrical Safety protection class IP on the front according to IEC 60529 finger-safe, for vertical contact from the front with box terminal/cover function the front with box terminal/cover finger-safe, for vertical contact from the front with box terminal/cover	connectable conductor cross-section for main contacts	
esolid or stranded finely stranded with core end processing for auxiliary contacts for auxiliary contacts Solid or stranded for auxiliary contacts for auxiliary contacts Solid or stranded		70 240 mm²
solid or stranded finely stranded with core end processing type of connectable conductor cross-sections		
• finely stranded with core end processing type of connectable conductor cross-sections • for auxiliary contacts — solid — solid conductor cross-sections — solid conductor cross-section conductor cross-section conductor cross-section conductor cross-section for auxiliary contacts — finely stranded with core end processing conductor cross-section for auxiliary contacts — solid conductor cross-section conductor cross-section for auxiliary contacts — solid conductor for for auxiliary contacts — solid conductor for for for auxiliary contacts — solid conductor for for for for with box terminal/cover for finely contacts — solid conductor for for for for for for for for for f		0.5 4 mm²
type of connectable conductor cross-sections • for auxiliary contacts — solid — solid or stranded — solid or stranded or finely stranded with core end processing • for AWG cables for auxiliary contacts AWG number as coded connectable conductor cross section for auxiliary contacts afety related data product function • mirror contact according to IEC 60947-4-1 • positively driven operation according to IEC 60947-5-1 No Electrical Safety protection class IP on the front according to IEC 60529 finger-safe, for vertical contact from the front with box terminal/cover function the front with box terminal/cover		
 for auxiliary contacts — solid — solid or stranded — solid or stranded — finely stranded with core end processing — finely stranded with core end processing — for AWG cables for auxiliary contacts — 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), max. 2x (0.75 4 mm²) — 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) — 2x (20 16), 2x (18 14), 1x 12 — AWG number as coded connectable conductor cross section for auxiliary contacts — afety related data — product function — mirror contact according to IEC 60947-4-1 — positively driven operation according to IEC 60947-5-1 — No Electrical Safety protection class IP on the front according to IEC 60529		5.5 2.6 mm
- solid - solid or stranded - solid or stranded - solid or stranded - finely stranded with core end processing - finely stranded with core end processing - for AWG cables for auxiliary contacts AWG number as coded connectable conductor cross section for auxiliary contacts afety related data product function - mirror contact according to IEC 60947-4-1 - positively driven operation according to IEC 60947-5-1 Electrical Safety protection class IP on the front according to IEC 60529 Solid or stranded 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), max. 2x (0.75 4 mm²)		
— solid or stranded — finely stranded with core end processing	•	2v (0.5 1.5 mm²) 2v (0.75 2.5 mm²) may 2v (0.75 4 mm²)
— finely stranded with core end processing • for AWG cables for auxiliary contacts AWG number as coded connectable conductor cross section for auxiliary contacts afety related data product function • mirror contact according to IEC 60947-4-1 • positively driven operation according to IEC 60947-5-1 Electrical Safety protection class IP on the front according to IEC 60529 touch protection on the front according to IEC 60529 finger-safe, for vertical contact from the front with box terminal/cover finger-safe, for vertical contact from the front with box terminal/cover		
• for AWG cables for auxiliary contacts AWG number as coded connectable conductor cross section for auxiliary contacts afety related data product function • mirror contact according to IEC 60947-4-1 • positively driven operation according to IEC 60947-5-1 Electrical Safety protection class IP on the front according to IEC 60529 touch protection on the front according to IEC 60529 finger-safe, for vertical contact from the front with box terminal/cover finger-safe, for vertical contact from the front with box terminal/cover		
AWG number as coded connectable conductor cross section for auxiliary contacts afety related data product function • mirror contact according to IEC 60947-4-1 • positively driven operation according to IEC 60947-5-1 Electrical Safety protection class IP on the front according to IEC 60529 touch protection on the front according to IEC 60529 finger-safe, for vertical contact from the front with box terminal/cover		
section for auxiliary contacts afety related data product function • mirror contact according to IEC 60947-4-1 • positively driven operation according to IEC 60947-5-1 Electrical Safety protection class IP on the front according to IEC 60529 touch protection on the front according to IEC 60529 finger-safe, for vertical contact from the front with box terminal/cover	,	
product function		18 14
Product function	·	
mirror contact according to IEC 60947-4-1 positively driven operation according to IEC 60947-5-1 Electrical Safety protection class IP on the front according to IEC 60529 touch protection on the front according to IEC 60529 IP00; IP20 with box terminal/cover finger-safe, for vertical contact from the front with box terminal/cover	<u> </u>	
 positively driven operation according to IEC 60947-5-1 Electrical Safety protection class IP on the front according to IEC 60529 touch protection on the front according to IEC 60529 IP00; IP20 with box terminal/cover finger-safe, for vertical contact from the front with box terminal/cover 	•	Voc
Electrical Safety protection class IP on the front according to IEC 60529 touch protection on the front according to IEC 60529 IP00; IP20 with box terminal/cover finger-safe, for vertical contact from the front with box terminal/cover	-	
protection class IP on the front according to IEC 60529 touch protection on the front according to IEC 60529 IP00; IP20 with box terminal/cover finger-safe, for vertical contact from the front with box terminal/cover		INU
touch protection on the front according to IEC 60529 finger-safe, for vertical contact from the front with box terminal/cover	·	
	protection class IP on the front according to IEC 60529	
pprovals Certificates	touch protection on the front according to IEC 60529	tinger-safe, for vertical contact from the front with box terminal/cover













EMV Functional Saftey Test Certificates Maritime application



Type Examination Certificate Type Test Certificates/Test Report

Special Test Certificate





Maritime application

other









Confirmation

Confirmation

other

Railway

Environment

Miscellaneous

Special Test Certificate



Environmental Confirmations

Further information

Information on the packaging

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

Information for data generation and storage

https://support.industry.siemens.com/cs/ww/en/view/109995012

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=3RT1264-6NP36

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT1264-6NP36

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

https://support.industry.siemens.com/cs/ww/en/ps/3RT1264-6NP36

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

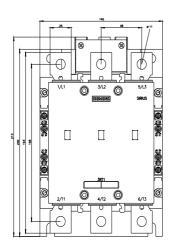
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RT1264-6NP36&lang=en

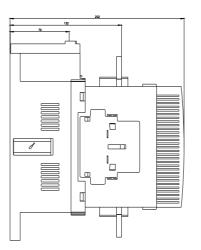
Characteristic: Tripping characteristics, I²t, Let-through current

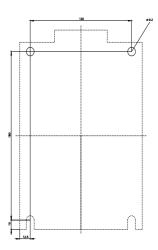
https://support.industry.siemens.com/cs/ww/en/ps/3RT1264-6NP36/char

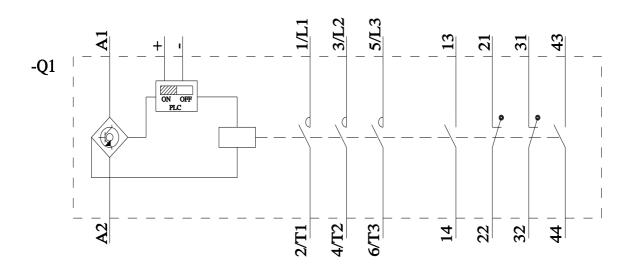
Further characteristics (e.g. electrical endurance, switching frequency)

http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT1264-6NP36&objecttype=14&gridview=view1









last modified:

8/7/2025

