SIEMENS

Data sheet

3RT2036-1AP60



power contactor, AC-3e/AC-3, 51 A, 22 kW / 400 V, 3-pole, 220 V AC, 50 Hz / 240 V, 60 Hz, auxiliary contacts: 1 NO + 1 NC, screw terminal, size: S2 $\,$

product brand name	SIRIUS
product designation	Power contactor
product type designation	3RT2
General technical data	
size of contactor	S2
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 	12 W
 at AC in hot operating state per pole 	4 W
 without load current share typical 	6.5 W
insulation voltage	
 of main circuit with degree of pollution 3 rated value 	690 V
 of auxiliary circuit with degree of pollution 3 rated value 	690 V
surge voltage resistance	
 of main circuit rated value 	6 kV
 of auxiliary circuit rated value 	6 kV
maximum permissible voltage for protective separation between coil and main contacts according to EN 60947-1	400 V
shock resistance at rectangular impulse	
• at AC	11.8g / 5 ms, 7.4g / 10 ms
shock resistance with sine pulse	
• at AC	18.5g / 5 ms, 11.6g / 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)	10/01/2014
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	690 V
 at AC-3e rated value maximum 	690 V
operational current	
• at AC-1 at 400 V at ambient temperature 40 °C rated	70 A
value	
• at AC-1	
— up to 690 V at ambient temperature 40 °C rated value	70 A
— up to 690 V at ambient temperature 60 °C rated	60 A
value	
• at AC-3	
— at 400 V rated value	51 A
— at 500 V rated value	51 A
— at 690 V rated value	24 A
• at AC-3e	
— at 400 V rated value	51 A
— at 500 V rated value	51 A
— at 690 V rated value	24 A
at AC-4 at 400 V rated value	41 A
at AC-5a up to 690 V rated value	61.6 A
• at AC-5b up to 400 V rated value	41.5 A
• at AC-6a	43.2 A
— up to 230 V for current peak value n=20 rated value	
 — up to 400 V for current peak value n=20 rated value — up to 500 V for current peak value n=20 rated value 	43.2 A 43.2 A
— up to 500 V for current peak value n=20 rated value	45.2 A 24 A
• at AC-6a	24 A
 up to 230 V for current peak value n=30 rated value 	28.8 A
— up to 200 V for current peak value n=30 rated value	28.8 A
— up to 500 V for current peak value n=30 rated value	28.8 A
— up to 690 V for current peak value n=30 rated value	24 A
minimum cross-section in main circuit at maximum AC-1 rated	25 mm ²
value	
operational current for approx. 200000 operating cycles at AC-4	
at 400 V rated value	24 A
at 690 V rated value	20 A
operational current	
 at 1 current path at DC-1 	
— at 24 V rated value	55 A
— at 60 V rated value	23 A
— at 110 V rated value	4.5 A
— at 220 V rated value	1 A
— at 440 V rated value	0.4 A
— at 600 V rated value	0.25 A
• with 2 current paths in series at DC-1	
— at 24 V rated value	55 A
— at 60 V rated value	45 A
— at 110 V rated value	45 A
— at 220 V rated value	5 A
— at 440 V rated value	1 A
— at 600 V rated value	0.8 A
 with 3 current paths in series at DC-1 	
— at 24 V rated value	55 A
— at 60 V rated value	55 A
— at 110 V rated value	55 A
— at 220 V rated value	45 A
— at 440 V rated value	2.9 A
— at 600 V rated value	1.4 A
 at 1 current path at DC-3 at DC-5 	

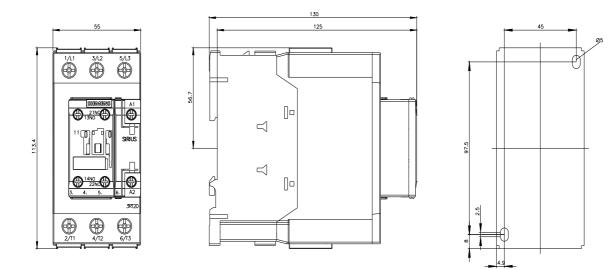
— at 24 V rated value	35 A
— at 60 V rated value	6 A
— at 220 V rated value	1 A
— at 440 V rated value	0.1 A
— at 600 V rated value	0.06 A
 with 2 current paths in series at DC-3 at DC-5 	
— at 24 V rated value	55 A
— at 60 V rated value	45 A
— at 110 V rated value	25 A
— at 220 V rated value	5 A
— at 440 V rated value	0.27 A
— at 600 V rated value	0.16 A
 with 3 current paths in series at DC-3 at DC-5 	
— at 24 V rated value	55 A
— at 60 V rated value	55 A
— at 110 V rated value	55 A
— at 220 V rated value	25 A
— at 440 V rated value	0.6 A
— at 600 V rated value	0.35 A
operating power	
at AC-2 at 400 V rated value	22 kW
• at AC-3	
- at 230 V rated value	15 kW
— at 200 V rated value	22 kW
- at 500 V rated value	22 kW
— at 690 V rated value	22 kW
• at AC-3e	ZZ NVV
- at 400 V rated value	22 kW
— at 500 V rated value	22 KW
— at 690 V rated value	22 KW
operating power for approx. 200000 operating cycles at AC-	
4	
• at 400 V rated value	12.6 kW
 at 690 V rated value 	18.2 kW
operating apparent power at AC-6a	
• up to 230 V for current peak value n=20 rated value	17.2 kVA
 up to 400 V for current peak value n=20 rated value 	29.9 kVA
 up to 500 V for current peak value n=20 rated value 	37.4 kVA
• up to 690 V for current peak value n=20 rated value	28.6 kVA
operating apparent power at AC-6a	
up to 230 V for current peak value n=30 rated value	11.4 kVA
• up to 400 V for current peak value n=30 rated value	19.9 kVA
• up to 500 V for current peak value n=30 rated value	24.9 kVA
 up to 690 V for current peak value n=30 rated value 	28.6 kVA
short-time withstand current in cold operating state up to	
40 °C	
	937 A; Use minimum cross-section acc. to AC-1 rated value
 limited to 1 s switching at zero current maximum 	
 limited to 1 s switching at zero current maximum limited to 5 s switching at zero current maximum 	697 A; Use minimum cross-section acc. to AC-1 rated value
-	697 A; Use minimum cross-section acc. to AC-1 rated value 468 A; Use minimum cross-section acc. to AC-1 rated value
• limited to 5 s switching at zero current maximum	
 limited to 5 s switching at zero current maximum limited to 10 s switching at zero current maximum 	468 A; Use minimum cross-section acc. to AC-1 rated value
 limited to 5 s switching at zero current maximum limited to 10 s switching at zero current maximum limited to 30 s switching at zero current maximum 	468 A; Use minimum cross-section acc. to AC-1 rated value 282 A; Use minimum cross-section acc. to AC-1 rated value
 limited to 5 s switching at zero current maximum limited to 10 s switching at zero current maximum limited to 30 s switching at zero current maximum limited to 60 s switching at zero current maximum 	468 A; Use minimum cross-section acc. to AC-1 rated value 282 A; Use minimum cross-section acc. to AC-1 rated value
 limited to 5 s switching at zero current maximum limited to 10 s switching at zero current maximum limited to 30 s switching at zero current maximum limited to 60 s switching at zero current maximum 	468 A; Use minimum cross-section acc. to AC-1 rated value 282 A; Use minimum cross-section acc. to AC-1 rated value 229 A; Use minimum cross-section acc. to AC-1 rated value
 limited to 5 s switching at zero current maximum limited to 10 s switching at zero current maximum limited to 30 s switching at zero current maximum limited to 60 s switching at zero current maximum no-load switching frequency at AC 	468 A; Use minimum cross-section acc. to AC-1 rated value 282 A; Use minimum cross-section acc. to AC-1 rated value 229 A; Use minimum cross-section acc. to AC-1 rated value
 limited to 5 s switching at zero current maximum limited to 10 s switching at zero current maximum limited to 30 s switching at zero current maximum limited to 60 s switching at zero current maximum no-load switching frequency at AC operating frequency 	468 A; Use minimum cross-section acc. to AC-1 rated value 282 A; Use minimum cross-section acc. to AC-1 rated value 229 A; Use minimum cross-section acc. to AC-1 rated value 5 000 1/h
 limited to 5 s switching at zero current maximum limited to 10 s switching at zero current maximum limited to 30 s switching at zero current maximum limited to 60 s switching at zero current maximum no-load switching frequency at AC operating frequency at AC-1 maximum 	468 A; Use minimum cross-section acc. to AC-1 rated value 282 A; Use minimum cross-section acc. to AC-1 rated value 229 A; Use minimum cross-section acc. to AC-1 rated value 5 000 1/h 1 000 1/h
 limited to 5 s switching at zero current maximum limited to 10 s switching at zero current maximum limited to 30 s switching at zero current maximum limited to 60 s switching at zero current maximum no-load switching frequency at AC operating frequency at AC-1 maximum at AC-2 maximum 	468 A; Use minimum cross-section acc. to AC-1 rated value 282 A; Use minimum cross-section acc. to AC-1 rated value 229 A; Use minimum cross-section acc. to AC-1 rated value 5 000 1/h 1 000 1/h 600 1/h
 limited to 5 s switching at zero current maximum limited to 10 s switching at zero current maximum limited to 30 s switching at zero current maximum limited to 60 s switching at zero current maximum no-load switching frequency at AC operating frequency at AC-1 maximum at AC-2 maximum at AC-3 maximum 	468 A; Use minimum cross-section acc. to AC-1 rated value 282 A; Use minimum cross-section acc. to AC-1 rated value 229 A; Use minimum cross-section acc. to AC-1 rated value 5 000 1/h 1 000 1/h 600 1/h 800 1/h
 limited to 5 s switching at zero current maximum limited to 10 s switching at zero current maximum limited to 30 s switching at zero current maximum limited to 60 s switching at zero current maximum no-load switching frequency at AC operating frequency at AC-1 maximum at AC-2 maximum at AC-3 maximum at AC-3 e maximum at AC-4 maximum 	468 A; Use minimum cross-section acc. to AC-1 rated value 282 A; Use minimum cross-section acc. to AC-1 rated value 229 A; Use minimum cross-section acc. to AC-1 rated value 5 000 1/h 1 000 1/h 600 1/h 800 1/h 800 1/h
 limited to 5 s switching at zero current maximum limited to 10 s switching at zero current maximum limited to 30 s switching at zero current maximum limited to 60 s switching at zero current maximum no-load switching frequency at AC operating frequency at AC-1 maximum at AC-2 maximum at AC-3 maximum at AC-3e maximum 	468 A; Use minimum cross-section acc. to AC-1 rated value 282 A; Use minimum cross-section acc. to AC-1 rated value 229 A; Use minimum cross-section acc. to AC-1 rated value 5 000 1/h 1 000 1/h 600 1/h 800 1/h 800 1/h

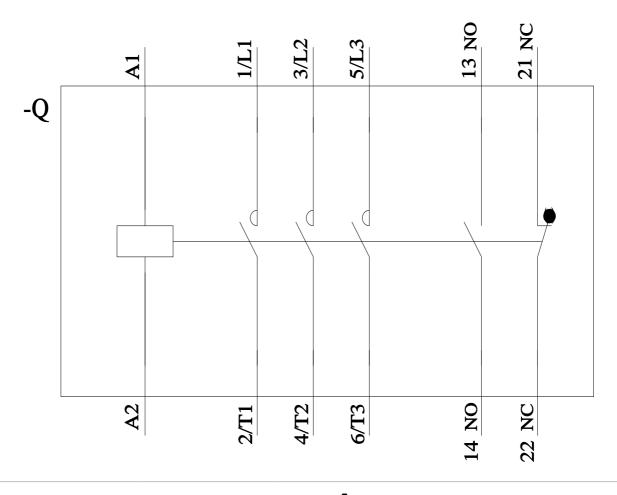
control supply voltage at AC	
• at 50 Hz rated value	220 V
at 60 Hz rated value	240 V
operating range factor control supply voltage rated value of magnet coil at AC	
• at 50 Hz	0.8 1.1
• at 60 Hz	0.8 1.1
apparent pick-up power of magnet coil at AC	
• at 50 Hz	212 VA
• at 60 Hz	188 VA
inductive power factor with closing power of the coil	
• at 50 Hz	0.69
• at 60 Hz	0.65
apparent holding power of magnet coil at AC	
• at 50 Hz	18.5 VA
• at 60 Hz	16.5 VA
inductive power factor with the holding power of the coil	
• at 50 Hz	0.36
• at 60 Hz	0.39
closing delay	
• at AC	10 80 ms
opening delay	
• at AC	10 18 ms
arcing time	10 20 ms
control version of the switch operating mechanism	Standard A1 - A2
Auxiliary circuit	
number of NC contacts for auxiliary contacts instantaneous contact	1
number of NO contacts for auxiliary contacts instantaneous contact	1
operational current at AC-12 maximum	10 A
operational current at AC-15	
at 230 V rated value	10 A
• at 400 V rated value	3 A
• at 500 V rated value	2 A
• at 690 V rated value	1A
operational current at DC-12	
at 24 V rated value	10 A
at 48 V rated value	6 A
at 60 V rated value	6 A
at 110 V rated value	3 A
at 125 V rated value	2 A
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 100 V rated value at 110 V rated value	1A
at 125 V rated value	0.9 A
at 220 V rated value	0.3 A
at 220 V rated value at 600 V rated value	0.3 A 0.1 A
contact reliability of auxiliary contacts UL/CSA ratings	1 faulty switching per 100 million (17 V, 1 mA)
full-load current (FLA) for 3-phase AC motor	50.4
at 480 V rated value	52 A
at 600 V rated value	52 A
yielded mechanical performance [hp]	
for single-phase AC motor	
— at 110/120 V rated value	3 hp
— at 230 V rated value	10 hp

	e for 3-phase AC motor			
	for 3-phase AC motor at 200/208 \/ rated value	5 hn		
contact rating of auxiliary contacts according to UL A600 / P600 Sind-Cricit protection design of the five in kin - with type of coordination 1 required - with type of accordination 2 required - with type of accordination 2 required - with type of accordination 2 required - side by-side mounting - with side by-side mounting - forwards - forwards				
Short-circuit protection design of the fuse link for short-circuit protection of the main circuit 		•		
design of the fuse link for short-circuit protection of the main circuit with type of cassignment 2 required g6: 160 A (690 V, 100 KA), aM: 80 A (690 V, 100 KA), BS& 63 g6: 80A (690 V, 100 KA), aM: 50A (690 V, 100 KA), BS& 63 g6: 80A (690 V, 100 KA), aM: 50A (690 V, 100 KA), BS& 63 g6: 80A (690 V, 100 KA), aM: 50A (690 V, 100 KA), BS& 63 g6: 80A (690 V, 100 KA), aM: 50A (690 V, 100 KA), BS& 63 g6: 80A (690 V, 100 KA), aM: 50A (690 V, 100 KA), BS& 63 g6: 80A (690 V, 100 KA), aM: 50A (690 V, 100 KA), BS& 63 g6: 80A (690 V, 100 KA), aM: 50A (690 V, 100 KA), BS& 63 g6: 80A (690 V, 100 KA), aM: 50A (690 V, 100 KA), BS& 63 g6: 80A (690 V, 100 KA), aM: 50A (690 V, 100 KA), BS& 63 g6: 80A (690 V, 100 KA), aM: 50A (690 V, 100 KA), BS& 63 g6: 80A (690 V, 100 KA), aM: 50A (690 V, 100 KA), BS& 63 g6: 80A (690 V, 100 KA), aM: 50A (690 V, 100 KA), BS& 63 g6: 80A (690 V, 100 KA), aM: 50A (690 V, 100 KA), BS& 63 g6: 80A (690 V, 100 KA), aM: 50A (690 V, 100 KA), BS& 63 g6: 80A (690 V, 100 KA), aM: 50A (690 V, 100 KA), BS& 63 g6: 80A (690 V, 100 KA), aM: 50A (690 V, 100 KA), aM: 60A g6: 80A (690 V, 100 KA), aM: 50A (690 V, 100 KA), aM: 60A g6: 80A (690 V, 100 KA), aM: 60A				
for short-circuit protection of the main circuit — with type of coordination 1 required Sci 160 A (690 V, 100 AA), aM: 80 A (690 V, 100 AA), BSS AA) — with type of assignment 2 required Sci 10 A (690 V, 100 AA), aM: 80 A (690 V, 100 AA), BSS AA (690 V, 100 AA), aM: 50A (690 V, 100 AA), BSSE 63 Sci 10 A (500 V, 1 AA) Installation/ mounting/ dimensions #/180° rotation possible on vertical mounting surface; ca backward by V +22.5° on vertical mounting vertical on maxima can be vertical mounting vertical on maxima - forwards 10 mm - downwards 10 mm - downwards 10 mm - downwards				
- with type of coordination 1 required with type of assignment 2 required of s short-circuit protection of the auxiliary switch required for short-circuit protection of the auxiliary switch required solve 1/2 (So V, 100 kA), aM: 80 A (690 V, 100 kA), BS8: 63 of or short-circuit protection of the auxiliary switch required mounting position thetalation for auxiliary switch required solve 3/2 (So V, 100 kA), aM: 80 A (690 V, 100 kA), BS8: 63 of or short-circuit protection of the auxiliary switch required solve 3/2 (So V, 100 kA), aM: 80 A (690 V, 100 kA), BS8: 63 of or short-circuit protection of the auxiliary switch required solve 3/2 (So V, 100 kA), aM: 80 A (690 V, 100 kA), BS8: 63 of or short-circuit protection of the auxiliary switch required solve 3/2 (So V, 100 kA), aM: 80 A (690 V, 100 kA), BS8: 63 of or short-circuit protection of the auxiliary switch required solve 3/2 (So V, 100 kA), aM: 80 A (690 V, 100 kA), BS8: 63 of or short-circuit protection of the auxiliary switch required solve 3/2 (So V, 100 kA), aM: 80 A (690 V, 100 kA), BS8: 63 of or short-circuit protection avertical mounting surface: ca below and by 4/-22.5° on vertical mounting surface: ca solve 3/2 (So V, 11 kA) for auxiliary and control are avertical mounting surface: ca solid or stranded i end youwards i end mounting differentials for auxiliary contacts solid or stranded i end youwards i end mount circuit i end value avert circuit i end or stranded i end y stranded with core end processing i end value avert circuit circuit i end value core end processing i for auxiliary contacts i end or stranded i end value core end processing i for AWG cables for auxiliary contacts i for auxiliary contacts i	-			
image:		C: 160 A (600 V 100 KA) 2M: 80 A (600 V 100 KA) BS88: 125 A (415 V 80		
• for short-circuit protection of the auxiliary switch required gG: 10 A (500 V, 1 kA) Installation/ mounting dimensions with fastening method screw and snap-on mounting surface; ca bedward by +-2.2.5 on vertical mounting surface; screw and snap-on mounting onto 35 mm DIN rail accord side-by-side mounting Yes height installation/ mounting/ ves side-by-side mounting Yes height installation depth 114 mm with depth iso accounting - forwards - forwards 10 mm - upwards 10 mm - upwards 10 mm - at the side 0 mm - forwards 10 mm - upwards 10 mm - at the side 0 mm - forwards 10 mm - at the side 0 mm - forwards 10 mm - at the side 0 mm - forwards 10 mm - at the side 6 mm - downwards 10 mm - at the side 6 mm - downwards 10 mm - at the side 6 mm - downwards 10 mm - at the side 6 mm - downwards 10 mm - at the side 6 mm Connectable forminals Vpe of electrical connection screw-type terminals screw-type term				
Installation/ mounting/dimensions +/-180° rotation possible on vertical mounting surface; ca mounting position +/-180° rotation possible on vertical mounting surface; ca festening method screw and snap-on mounting onto 35 mm DIN rail accord • side-by-side mounting Yes height 114 mm width 55 mm depth 130 mm required spacing 0 mm • with side-by-side mounting - - forwards 10 mm - downwards 10 mm - downwa	— with type of assignment 2 required gG	G: 80A (690V,100kA), aM: 50A (690V,100kA), BS88: 63A (415V,80kA)		
mounting position +1-80° rotation possible on vertical mounting surface; cabivarid by +1-22.5° on vertical mounting surface; cabivarid by end to end by +1-22.5° on vertical mounting surface; cabivarid by end the end by +1-22.5° on vertical mounting surface; cabivarid by end the end by +1-22.5° on vertical mounting surface; cabivarid by end the end processing 10 mm - forwards 10 mm - at the side 6 mm - forwards 10 mm - at the side 6 mm - forwards 10 mm - forwards 10 mm	• for short-circuit protection of the auxiliary switch required gG	G: 10 A (500 V, 1 kA)		
backward by +/-22 5" on vertical mounting surface fastening method screw and snap-on mounting onto 35 mm DIN rail accord height 114 mm width 55 mm depth 130 mm required spacing 0 mm • with side-by-side mounting 10 mm - upwards 10 mm - upwards 0 mm - downwards 0 mm - downwards 10 mm - downwards 10 mm - downwards 10 mm - downwards 10 mm - at the side 6 mm - forwards 10 mm - downwards 10 mm - at the side 6 mm - forwards 10 mm - at the side 6 mm - forwards 10 mm - at the side 6 mm Ownwards 10 mm - at the side 6 mm Ornectores/ Torninals Screw-type terminals type of electrical connection screw-type terminals of magnet coil Screw-type terminals	ation/ mounting/ dimensions			
fastening method screw and snap-on mounting onto 35 mm DIN rail accord height 114 mm width 55 mm depth 130 mm required spacing • • with side-by-side mounting 114 mm • with side-by-side mounting 0 mm - forwards 10 mm - upwards 10 mm - downwards 10 mm - downwards 10 mm - at the side 0 mm - forwards 10 mm - upwards 10 mm - upwards 10 mm - at the side 6 mm - downwards 10 mm - forwards 10 mm - downwards 10 mm - forwards 10 mm - downwards 10 mm - downwards 10 mm - forwards 10 mm - of revisor		/-180° rotation possible on vertical mounting surface; can be tilted forward and		
• side-by-side mounting Yes height 114 mm width 65 mm depth 130 mm required spacing 130 mm • with side-by-side mounting 10 mm - forwards 10 mm - upwards 10 mm - downwards 00 mm - downwards 00 mm - downwards 10 mm - the side 0 mm - forwards 10 mm - upwards 10 mm - downwards 10 mm				
height 114 mm width 55 mm depth 130 mm required spacing 10 mm - forwards 10 mm - downwards 10 mm - forwards 10 mm - forwards 10 mm - downwards 10 mm - downwards 10 mm - forwards 10 mm - downwards	-	crew and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715		
vidth 55 mm depth 130 mm required spacing 130 mm • with side-by-side mounting - - forwards 10 mm - upwards 10 mm - at the side 0 mm - at the side 0 mm - forwards 10 mm - at the side 0 mm - forwards 10 mm - at the side 6 mm - downwards 10 mm - at the side 6 mm - downwards 10 mm - at the side 6 mm - forwards 10 mm - downwards 10 mm - upwards 10 mm - downwards 10 mm - or auxiliary and control circuit screw-type terminals i for making and control circuit screw-type terminals i of magnet coil type of connectable conductor cross-section for main contacts </td <td></td> <td></td>				
depth 130 mm required spacing				
required spacing • with side-by-side mounting - forwards 10 mm - upwards 10 mm - downwards 10 mm - at the side 0 mm • for grounded parts 0 mm - forwards 10 mm - upwards 10 mm - at the side 6 mm - downwards 10 mm - at the side 6 mm - downwards 10 mm - at the side 6 mm - forwards 10 mm - downwards 10 mm - dornwards 10 mm - at the side				
with side-by-side mounting forwards upwards upwards upwards orwards orwards orwards orwards orwards forwards forwards forwards forwards forwards forwards orwards orwert circuit solid or stranded orwert processing solid or stranded solid or stranded solid or stranded s		30 mm		
- forwards 10 mm - upwards 10 mm - downwards 10 mm - at the side 0 mm - forwards 10 mm - downwards 10 mm - forwards 10 mm - downwards 10 mm - downwards 10 mm - forwards 10 mm - downwards 10 mm - at he side 6 mm Connectable conductor circuit screw-type terminals soft auxiliary contacts Screw-typ				
upwards10 mm downwards0 mm at the side0 mm forwards0 mm forwards10 mm upwards10 mm upwards0 mm at the side6 mm downwards10 mm downwards10 mm downwards10 mm forwards10 mm forwards10 mm downwards10 mm downwards50 mm downwards50 mm forey attaited50 crew-type terminals forey attaited50 crew-type terminals forey attaited50 crew-type terminals forey stranded2x (1 35 mm²), 1x (1 35 mm²)		0		
- downwards 10 mm - at the side 0 mm • for grounded parts 0 mm - forwards 10 mm - upwards 10 mm - at the side 6 mm - downwards 10 mm - at the side 6 mm Connections/ Terminals Screw-type terminals <t< td=""><td></td><td></td></t<>				
at the side0 mm• for grounded parts10 mm- forwards10 mm- upwards0 mm- at the side6 mm- downwards10 mm• downwards10 mm• for live parts forwards10 mm- upwards10 mm- upwards10 mm- downwards10 mm- downwards10 mm- downwards10 mm- downwards10 mm- downwards10 mm- at the side6 mmConnections/Terminalstype of electrical connection• for main current circuitscrew-type terminals• for maxiliary and control circuitscrew-type terminals• for maxiliary contactsScrew-type terminals• of magnet coilScrew-type terminalstype of connectable conductor cross-sections for main contacts• solid or stranded2x (1 35 mm²), 1x (1 50 mm²)• finely stranded with core end processing1 35 mm²connectable conductor cross-section for auxiliary contacts• solid or stranded0.5 2.5 mm²• finely stranded with core end processing0.5 2.5 mm²• for auxiliary contacts solid or stranded2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)• for auxiliary contacts solid or stranded2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)• for auxiliary contacts solid or stranded2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)• for auxiliary contacts <td< td=""><td>· · · · · ·</td><td></td></td<>	· · · · · ·			
• for grounded parts 10 mm - forwards 10 mm - upwards 10 mm - at the side 6 mm - downwards 10 mm - forwards 10 mm - forwards 10 mm - forwards 10 mm - upwards 10 mm - downwards 10 mm - downwards 10 mm - at the side 6 mm Connections/ Terminals 10 mm - for auxiliary and control circuit screw-type terminals • for main current circuit screw-type terminals • for main current circuit screw-type terminals • for auxiliary and control circuit screw-type terminals • of magnet coil Screw-type terminals type of connectable conductor cross-sections for main contacts solid or stranded • finely stranded with core end processing 1 35 mm²), 1x (1 50 mm²) • finely stranded with core end processing 1 35 mm² • solid or stranded 0.5 2.5 mm² • solid or stranded 0.5 2.5 mm² • finely stranded with core end processing 1 35 mm²), 2x (0.75 2.5 mm²)				
- forwards 10 mm - upwards 10 mm - at the side 6 mm - downwards 10 mm - forwards 10 mm - downwards 10 mm - at the side 6 mm Connectable conductor cross-sections or main contacts • finely stranded with core end processing 2x (1 35 mm ²), 1x (1 35 mm ²)				
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• for auxiliary contacts 20 14	for auxiliary contacts 20	0 14		
Safety related data	/ related data			

product function						
 mirror contact ad 	ccording to IEC 60947-4-1		Yes			
 positively driven 	operation according to IE	C 60947-5-1	No			
suitability for use safet	y-related switching OFF		Yes			
	mand rate according to SI	N 31920	1 000 000			
proportion of danger						
		920	40 %			
 with low demand rate according to SN 31920 with high demand rate according to SN 31920 			40 % 73 %			
	w demand rate according		100 FIT			
61508	interval or service life acco	ording to IEC	20 a			
protection class IP or	n the front according to	IEC 60529	IP20			
-	the front according to IE		finger-safe, for vertical contact	from the front		
ertificates/ approvals						
General Product App						
General Product App	Jiovai					
(SP) Sea		<u>Confirmation</u>		KC	EHC	
EMC	Functional Safety/Safety of Ma- chinery	Declaration of C	conformity	Test Certificates		
RCM	Type Examination Cer- tificate	CE EG-Konf.	UK CA	Type Test Certific- ates/Test Report	<u>Special Test Certific</u> <u>ate</u>	
Marine / Shipping	BUREAU		Llovd's Register uis	PRS	RINA	
Marine / Shipping	other		Railway	Dangerous Good	Environment	
KMRS	<u>Confirmation</u>	<u>Confirmation</u>	Vibration and Shock	Transport Information	Environmental Con- firmations	
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Service&Support (Ma	nuals, Certificates, Cha	racteristics, FAQs,.	lang=en&mlfb=3RT2036-1AP60)	<u>0</u>		
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3RT20361AP60 Page 7/8

8/17/2023

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