## SIEMENS

## Data sheet

## 3RT1064-6NB36



power contactor, AC-3 225 A, 110 kW / 400 V AC (50-60 Hz) / DC operation 21-27.3 V AC/DC auxiliary contacts 2 NO + 2 NC 3-pole, frame size S10 busbar connections drive: electronic with PLC interface 24 V DC screw terminal

product designation     Power contactor       product type designation     3RT1       Ceneral technical data     size of contactor       Size of contactor     S10       product extension     No       • function module for communication     No       • auxiliary switch     Yes       power loss [W] for rated value of the current     51 W       • at AC in hot operating state per pole     17 W       • without load current share typical     3.4 W       insulation voltage     1000 V       • of main circuit with degree of pollution 3 rated value     500 V       • of main circuit with degree of pollution 3 rated value     6 kV       • of main circuit rated value     8 kV       • of main circuit rated value     8 kV       • of main circuit rated value     8 kV       • of maxiliary circuit rated value     8 kV       • of maxiliary circuit rated value     8 kV       • of maxiliary circuit rated value     8 kV       • of auxiliary circuit rated value     1000 V       • at AC     8.5g / 5 ms, 4.2g / 10 ms       • at AC     13.4g / 5 ms, 6.5g / 10 ms       • at AC     13.4g / 5 ms, 6.5g / 10 m	product brand name	SIRIUS
product type designation     3RT1       General technical data     size of contactor       product stension     S10       • function module for communication     No       • auxiliary switch     Yes       power loss [W] for rated value of the current     51 W       • at AC in hot operating state     51 W       • without load current share typical     3.4 W       insulation voltage     0 main circuit with degree of pollution 3 rated value       • of main circuit with degree of pollution 3 rated value     1000 V       • of main circuit with degree of pollution 3 rated value     8 kV       • of main circuit rated value     8 kV       • of auxiliary circuit rated value     8 kV       • of auxiliary circuit rated value     8 kV       • of auxiliary circuit rated value     8 kV       • at AC     8.5g / 5 ms, 4.2g / 10 ms       • at AC     13.4g / 5 ms, 6.5g / 10 ms       • at AC     13.4g / 5 ms, 6.5g / 10 ms       • at DC     13.4g / 5 ms, 6.5g / 10 ms       • at AC     10 000 000       • of contactor with added electronically optimized auxiliary switch block typical     10 000 000       • of the contactor with added auxiliary switch block typical     0500 000       • of the contactor with added auxiliary switch block typical     0500 000       • of the contactor with added auxiliary switch block typi	-	
General technical data       S10         size of contactor       S10         product extension       No         • auxiliary switch       Yes         power loss [W] for rated value of the current       51 W         • at AC in hot operating state       51 W         • at AC in hot operating state per pole       17 W         • without load current share typical       3.4 W         insulation voltage       1000 V         • of main circuit with degree of pollution 3 rated value       1000 V         • of auxiliary circuit with degree of pollution 3 rated value       1000 V         • of auxiliary circuit rated value       8 kV         • at AC       8.5g / 5 ms, 4.2g / 10 ms         • at AC       13.4g / 5 ms, 6.5g / 10 ms         • at AC       13.4g / 5 ms, 6.5g / 10 ms         • at AC       13.4g / 5 ms, 6.5g / 10 ms         • at AC       10 000 000         • of the contactor with added electronically optimized auxiliary switch block typical       10 000 000         • of the contactor with added auxiliary switch block ty		
size of contactor     \$10       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 prote     17 W       • at AC in hot operating state prote     17 W       • without load current share typical     3.4 W       Insulation voltage     1000 V       • of main circuit with degree of pollution 3 rated value     1000 V       • of auxiliary circuit atted value     6 kV       • of auxiliary circuit rated value     6 kV       • of auxiliary circuit rated value     8 kV       • at AC     8.5g / 5 ms, 4.2g / 10 ms       • at AC     13.4g / 5 ms, 6.5g / 10 ms       • at AC     13.4g / 5 ms, 6.5g / 10 ms       • at AC     13.4g / 5 ms, 6.5g / 10 ms       • at AC     10 000 000       • of the contactor with added electronically optimized auxiliary switch block typical     10 000 000       • of the contactor with added electronically optimized auxiliary switch block ty		
product extension     No       • function module for communication     No       • auxiliary switch     Yes       power loss [W] for rated value of the current     51 W       • at AC in hot operating state     51 W       • at AC in hot operating state per pole     17 W       • without load current share typical     3.4 W       Insulation voltage     0 fmain circuit with degree of pollution 3 rated value       • of main circuit with degree of pollution 3 rated value     1000 V       • of auxiliary circuit rated value     8 kV       • of auxiliary circuit rated value     6 kV       • of main circuit rated value     8 kV       • of auxiliary circuit rated value     6 kV       • of main circuit rated value     8 kV       • of auxiliary circuit rated value     6 kV       • of auxiliary circuit rated value     8 kV       • of auxiliary circuit rated value     6 kV       • at AC     8.5g / 5 ms, 4.2g / 10 ms       • at AC     8.5g / 5 ms, 4.2g / 10 ms       • at AC     13.4g / 5 ms, 6.5g / 10 ms       • at AC     10 000 000       • at AC     10 000 000   <		S10
• auxiliary switch       Yes         power loss [W] for rated value of the current       51 W         • at AC in hot operating state       51 W         • at AC in hot operating state per pole       17 W         • without load current share typical       3.4 W         insulation voltage       0 00 V         • of main circuit with degree of pollution 3 rated value       1 000 V         • of main circuit with degree of pollution 3 rated value       500 V         • of main circuit rated value       8 kV         • of main circuit rated value       8 kV         • of auxiliary circuit rated value       6 kV         maximum permissible voltage for safe isolation between coll and main contacts according to EN 60947-1       690 V         shock resistance at rectangular impulse       8.5g / 5 ms, 4.2g / 10 ms         • at AC       8.5g / 5 ms, 4.2g / 10 ms         • at AC       13.4g / 5 ms, 6.5g / 10 ms         • at AC       13.4g / 5 ms, 6.5g / 10 ms         • at DC       10 000 000         • at AC       1000 000         • at AC       10 000 000         • at DC       10 000 000         • of contactor typical       10 000 000         • of the contactor with added electronically optimized auxiliary switch block typical       10 000 000		
power loss [W] for rated value of the current       61 W         • at AC in hot operating state       51 W         • at AC in hot operating state per pole       17 W         • without load current share typical       3.4 W         Insulation voltage       • of main circuit with degree of pollution 3 rated value       1000 V         • of auxiliary circuit with degree of pollution 3 rated value       1000 V         • of auxiliary circuit rated value       8 kV         • of auxiliary circuit rated value       6 kV         maximum permissible voltage for safe isolation between coli and main contacts according to EN 60947-1       800 V         shock resistance at rectangular impulse       8,5g / 5 ms, 4,2g / 10 ms         • at AC       8,5g / 5 ms, 4,2g / 10 ms         • at AC       13,4g / 5 ms, 6,5g / 10 ms         • at AC       13,4g / 5 ms, 6,5g / 10 ms         • at AC       10000 000         • at AC       10 000 000         • of contactor typical       10 000 000         • of the contactor with added electronically optimized auxiliary switch block typical       10 000 000         • of the contactor with added auxiliary switch block typical       10 000 000         • of the contactor with added auxiliary switch block typical       10 000 000         reference code according to IEC 81346-2       Q	<ul> <li>function module for communication</li> </ul>	No
• at AC in hot operating state per pole       51 W         • without load current share typical       3.4 W         • of main circuit with degree of pollution 3 rated value       1 000 V         • of auxiliary circuit with degree of pollution 3 rated value       1 000 V         surge voltage resistance       6 kV         • of main circuit rated value       8 kV         • of auxiliary circuit rated value       8 kV         • of auxiliary circuit rated value       6 kV         maximum permissible voltage for safe isolation between coil and main contacts according to EN 60947-1       600 V         shock resistance at rectangular impulse       4 AC         • at AC       8,5g / 5 ms, 4,2g / 10 ms         • at DC       13,4g / 5 ms, 6,5g / 10 ms         • at DC       13,4g / 5 ms, 6,5g / 10 ms         • at DC       13,4g / 5 ms, 6,5g / 10 ms         • at DC       10 000 000         • of contactor typical       10 000 000         • of the contactor with added auxiliary switch block typical       10 000 000         • of the contactor with added auxiliary switch block typical       10 000 000         • of the contactor with added auxiliary switch block       10 000 000         • of the contactor with added auxiliary switch block       2 000 m         mistallation altitude at height above sea level maxim	<ul> <li>auxiliary switch</li> </ul>	Yes
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• at AC8,5g / 5 ms, 4,2g / 10 ms• at DC8,5g / 5 ms, 4,2g / 10 msshock resistance with sine pulse13,4g / 5 ms, 6,5g / 10 ms• at AC13,4g / 5 ms, 6,5g / 10 ms• at DC13,4g / 5 ms, 6,5g / 10 ms• of contactor typical10 000 000• of the contactor with added electronically optimized auxiliary switch block typical5 000 000• of the contactor with added auxiliary switch block typical10 000 000• of the contactor with added auxiliary switch block typical10 000 000reference code according to IEC 81346-2QSubstance Prohibitance (Date)05/01/2012Ambient conditions2 000 mambient temperature • during operation-25 +60 °C		690 V
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• at AC13,4g / 5 ms, 6,5g / 10 ms• at DC13,4g / 5 ms, 6,5g / 10 msmechanical service life (switching cycles)-• of contactor typical10 000 000• of the contactor with added electronically optimized auxiliary switch block typical5 000 000• of the contactor with added auxiliary switch block typical10 000 000• of the contactor with added auxiliary switch block typical10 000 000• of the contactor with added auxiliary switch block typicalQreference code according to IEC 81346-2QSubstance Prohibitance (Date)05/01/2012Ambient conditions2 000 minstallation altitude at height above sea level maximum • during operation2 000 m	• at DC	8,5g / 5 ms, 4,2g / 10 ms
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mechanical service life (switching cycles)       10 000 000         • 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         • 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         Ambient conditions       2 000 m         installation altitude at height above sea level maximum       2 000 m         ambient temperature       -25 +60 °C	• at AC	13,4g / 5 ms, 6,5g / 10 ms
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typical     Image: constraint of the provide the providet t		5 000 000
Substance Prohibitance (Date)       05/01/2012         Ambient conditions       installation altitude at height above sea level maximum         ambient temperature       2 000 m         • during operation       -25 +60 °C	•	10 000 000
Ambient conditions         installation altitude at height above sea level maximum       2 000 m         ambient temperature       -25 +60 °C	reference code according to IEC 81346-2	Q
installation altitude at height above sea level maximum       2 000 m         ambient temperature       -25 +60 °C	Substance Prohibitance (Date)	05/01/2012
ambient temperature       • during operation       -25 +60 °C	Ambient conditions	
• during operation -25 +60 °C	installation altitude at height above sea level maximum	2 000 m
	ambient temperature	
• during storage -55 +80 °C	<ul> <li>during operation</li> </ul>	-25 +60 °C
	during storage	-55 +80 °C

relative humidity minimum	10 %
relative humidity at 55 °C according to IEC 60068-2-30	95 %
maximum	
Main circuit	0
number of poles for main current circuit	3
number of NO contacts for main contacts	3
<ul> <li>operating voltage</li> <li>at AC-3 rated value maximum</li> </ul>	1 000 V
<ul> <li>at AC-3 rated value maximum</li> <li>at AC-3e rated value maximum</li> </ul>	1 000 V
operational current	
• at AC-1 at 400 V at ambient temperature 40 °C	275 A
rated value	
● at AC-1	
— up to 690 V at ambient temperature 40 °C rated value	275 A
— up to 690 V at ambient temperature 60 °C rated value	250 A
— up to 1000 V at ambient temperature 40 °C rated value	100 A
— up to 1000 V at ambient temperature 60 °C rated value	100 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 1000 V rated value	68 A
• at AC-3e	20E A
— at 400 V rated value	225 A
- at 500 V rated value	225 A 68 A
<ul> <li>— at 1000 V rated value</li> <li>at AC-4 at 400 V rated value</li> </ul>	195 A
	242 A
<ul> <li>at AC-5a up to 690 V rated value</li> <li>at AC-5b up to 400 V rated value</li> </ul>	186 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
<ul> <li>— up to 690 V for current peak value n=20 rated value</li> <li>— up to 1000 V for current peak value n=20 rated</li> </ul>	225 A 68 A
<ul> <li>at AC-6a</li> </ul>	00 A
<ul> <li>up to 230 V for current peak value n=30 rated value</li> </ul>	172 A
— up to 400 V for current peak value n=30 rated value	172 A
— up to 500 V for current peak value n=30 rated value	172 A
<ul> <li>— up to 690 V for current peak value n=30 rated value</li> </ul>	172 A
<ul> <li>— up to 1000 V for current peak value n=30 rated value</li> </ul>	68 A
minimum cross-section in main circuit at maximum AC-1 rated value	150 mm²
operational current for approx. 200000 operating cycles at AC-4	
• at 400 V rated value	96 A
• at 690 V rated value	85 A
operational current	
• at 1 current path at DC-1	200.4
— at 24 V rated value	200 A

	10.4
— at 110 V rated value	18 A
— at 220 V rated value	3.4 A
— at 440 V rated value	0.8 A
— at 600 V rated value	0.5 A
<ul> <li>with 2 current paths in series at DC-1</li> </ul>	
— at 24 V rated value	200 A
— at 110 V rated value	200 A
— at 220 V rated value	20 A
— at 440 V rated value	3.2 A
— at 600 V rated value	1.6 A
<ul> <li>with 3 current paths in series at DC-1</li> </ul>	
— at 24 V rated value	200 A
— at 110 V rated value	200 A
— at 220 V rated value	200 A
— at 440 V rated value	11 A
— at 600 V rated value	4 A
<ul> <li>at 1 current path at DC-3 at DC-5</li> </ul>	
— at 24 V rated value	200 A
— at 110 V rated value	2.5 A
— at 220 V rated value	0.6 A
— at 440 V rated value	0.17 A
— at 600 V rated value	0.12 A
with 2 current paths in series at DC-3 at DC-5	
- at 24 V rated value	200 A
— at 110 V rated value	200 A
— at 220 V rated value	2.5 A
— at 440 V rated value	0.65 A
— at 600 V rated value	0.37 A
with 3 current paths in series at DC-3 at DC-5	0.57 A
-	200 A
— at 24 V rated value	
— at 110 V rated value	200 A
— at 220 V rated value	200 A
— at 440 V rated value	1.4 A
— at 600 V rated value	0.75 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 1000 V rated value	90 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 1000 V rated value	90 kW
operating power for approx. 200000 operating cycles	
at AC-4	C4 1344
at 400 V rated value	54 kW
• at 690 V rated value	82 kW
operating apparent power at AC-6a	00.000 13/4
• up to 230 V for current peak value n=20 rated value	90 000 kVA
• up to 400 V for current peak value n=20 rated value	150 000 VA
• up to 500 V for current peak value n=20 rated value	190 000 VA
• up to 690 V for current peak value n=20 rated value	260 000 VA
<ul> <li>up to 1000 V for current peak value n=20 rated</li> </ul>	110 000 VA
value	
operating apparent power at AC-6a	60.000 \/A
• up to 230 V for current peak value n=30 rated value	60 000 VA
• up to 400 V for current peak value n=30 rated value	110 000 VA
<ul> <li>up to 500 V for current peak value n=30 rated value</li> </ul>	140 000 VA

a up to 600 V for surront nock value = 20 rated where	200,000 \/A		
• up to 690 V for current peak value n=30 rated value	200 000 VA		
<ul> <li>up to 1000 V for current peak value n=30 rated value</li> </ul>	110 000 VA		
short-time withstand current in cold operating state up to 40 °C			
<ul> <li>limited to 1 s switching at zero current maximum</li> </ul>	4 000 A; Use minimum cross-section acc. to AC-1 rated value		
<ul> <li>limited to 5 s switching at zero current maximum</li> </ul>	2 807 A; Use minimum cross-section acc. to AC-1 rated value		
<ul> <li>limited to 10 s switching at zero current maximum</li> </ul>	2 082 A; Use minimum cross-section acc. to AC-1 rated value		
<ul> <li>limited to 30 s switching at zero current maximum</li> </ul>	1 397 A; Use minimum cross-section acc. to AC-1 rated value		
<ul> <li>limited to 60 s switching at zero current maximum</li> </ul>	1 144 A; Use minimum cross-section acc. to AC-1 rated value		
no-load switching frequency			
• at AC	1 000 1/h		
• at DC	1 000 1/h		
operating frequency			
<ul> <li>at AC-1 maximum</li> </ul>	750 1/h		
• at AC-2 maximum	250 1/h		
• at AC-3 maximum	500 1/h		
• at AC-3e maximum	500 1/h		
• at AC-4 maximum	130 1/h		
Control circuit/ Control			
type of voltage of the control supply voltage	AC/DC		
control supply voltage at AC			
at 50 Hz rated value	21 27.3 V		
• at 60 Hz rated value	21 27.3 V		
control supply voltage at DC			
rated value	21 27.3 V		
type of PLC-control input according to IEC 60947-1	Туре 2		
consumed current at PLC-control input according to	20 mA		
IEC 60947-1 maximum			
voltage at PLC-control input rated value	24 V		
operating range factor of the voltage at PLC-control input	0.8 1.1		
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 apparent pick-up power of magnet coil at AC	with varistor		
• at 50 Hz	530 VA		
• at 50 Hz	530 VA		
inductive power factor with closing power of the coil			
• at 50 Hz	0.8		
• at 60 Hz	0.8		
apparent holding power of magnet coil at AC			
• at 50 Hz	5 VA		
• at 60 Hz	5 VA		
inductive power factor with the holding power of the coil			
• at 50 Hz	0.5		
• at 60 Hz	0.5		
closing power of magnet coil at DC	580 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			
• at AC	80 100 ms		
● at DC	80 100 ms		

arcing time	10 15 ms			
control version of the switch operating mechanism	PLC-IN or Standard A1 - A2 (adjustable)			
Auxiliary circuit				
number of NC contacts for auxiliary contacts 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				
<ul> <li>at 230 V rated value</li> </ul>	6 A			
<ul> <li>at 400 V rated value</li> </ul>	3 A			
<ul> <li>at 500 V rated value</li> </ul>	2 A			
• at 690 V rated value	1 A			
operational current at DC-12				
<ul> <li>at 24 V rated value</li> </ul>	10 A			
<ul> <li>at 48 V rated value</li> </ul>	6 A			
<ul> <li>at 60 V rated value</li> </ul>	6 A			
<ul> <li>at 110 V rated value</li> </ul>	3 A			
• at 125 V rated value	2 A			
at 220 V rated value	1 A			
at 600 V rated value	0.15 A			
operational current at DC-13				
at 24 V rated value	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 600 V rated value	192 A			
yielded mechanical performance [hp]	192 A			
• for 3-phase AC motor				
- 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 fuse link				
for short-circuit protection of the main circuit				
- with type of coordination 1 required	gG: 500 A (690 V, 100 kA)			
— with type of assignment 2 required	gG: 400 A (690 V, 100 kA), aM: 315 A (690 V, 50 kA), BS88: 400 A (415			
<ul> <li>for short-circuit protection of the auxiliary switch</li> </ul>	V, 50 kA) gG: 10 A (500 V, 1 kA)			
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	screw fixing			
side-by-side mounting	Yes			
height	210 mm			
width	145 mm			
depth	202 mm			
required spacing				
second a second as the second and a second frame.				
• with side-by-side mounting				
with side-by-side mounting     — forwards     — upwards	20 mm 10 mm			

- art the side     0 mm       - error grounded parts     20 mm       - error grounded parts     20 mm       - error grounded parts     10 mm       - error grounded parts     20 mm       - error grounded parts     20 mm <sup>2</sup>	— downwards	10 mm		
- forwards     - forwards     - at the side     - downwards     - downwards     - downwards     - downwards     - downwards     - downwards     - forwards     - downwards     - forwards     - downwards     - downward     - eold er stranded     - sol				
<ul> <li>a) the side</li> <li>c) ownwards</li> <li>c) ownwa</li></ul>		20 mm		
	— upwards	10 mm		
• for ive parts     • for ive parts     • downwards     • downards     • do	— at the side	10 mm		
- Inwards       20 mm         - Upwards       10 mm         - a the side       10 mm         - a the side       10 mm         - Tornection?       0 mm         - a the side       10 mm         - Orderection?       0 mm         - a the side       0 mm         - a contactor for auxiliary contacts       25 mm         - a standed       11 mm         - a standed       10 mm <sup>3</sup> - a standed       0 main contacts         - a standed       0 mone standed         - a stander       0 mone standed         - a stander       0 mone standed         - a standerection       0 mone standed         - a standerection       0 mone standed         - a standereco	— downwards	10 mm		
	<ul> <li>for live parts</li> </ul>			
- downwards - a the side       10 mm         - a the side       10 mm         - a the side       10 mm         OrmaceLoss? Version       Connection har         - for auxiliary and control circuit       Screw-type terminals         - a to contact for auxiliary contacts       Screw-type terminals         - of auxiliary and control circuit       Screw-type terminals         - a to contact for auxiliary contacts       25 mm         - a to connection bar       6 mm         diameter of holes       1         - a town of connectable conductor cross-section for main       1         connectable conductor cross-section for auxiliary       1         - solid       - stranded       0.5 4 mm²         - solid or stranded       0.5 4 mm²       0.5 4 mm²         - solid or stranded       0.5 15 mm², 2x (0.75 25 mm²), max. 2x (0.75 4 mm²)         - solid or stranded       10 40 mm²         - solid or stranded       10 15 mm², 2x (0.75 25 mm²), max. 2x (0.75 4 mm²)         - solid or stranded       10 15 mm², 2x (0.75 25 mm²), max. 2x (0.75 4 mm²)         - solid or stranded       10 14 mm²         - solid or stranded       10 14 mm²         - solid or stranded       10 15 mm², 2x (0.75 25 mm²)	— forwards	20 mm		
a the aid       10 mm         Connectional Terminals       Connection bar         • for main current circuit       • connection bar         • a contraction for auxiliary and control circuit       Screw-type terminals         • of magnet coll       25 crew-type terminals         • of magnet coll       25 crew-type terminals         • of magnet coll       25 mm         • thickness of connection bar       6 mm         diameter of holes       1 mm         • and the added       0	— upwards	10 mm		
Connections/Terminals         type of clectrical connection bar         i for main control circuit         i a contactor for auxiliary contacts         i of magnet coli         width of connection bar         diameter of holes         i 1         type of connectable conductor cross-sections         i at AWG cables for main contacts         connectable conductor cross-section for main contacts         connectable conductor cross-section for main contacts         connectable conductor cross-section for auxiliary contacts         i of a stranded         connectable conductor cross-section for auxiliary contacts         of a did or stranded         i for auxiliary contacts         i of auxiliary co	— downwards	10 mm		
Type of electrical connection <ul> <li>for main current dircuit</li> <li>for auxiliary and control circuit</li> <li>at contactor for auxiliary contacts</li> <li>of magnetical</li> <li>width of connection bar</li> <li>for auxiliary contacts</li> <li>screw-type terminals</li> <li>Screw-type termi</li></ul>	— at the side	10 mm		
<ul> <li>for main current circuit</li> <li>i for auxiliary and control circuit</li> <li>at contacts for auxiliary contacts</li> <li>c of magnet coli</li> <li>dimensetion bar</li> <li>dimensetion bar</li> <li>dimensetion bar</li> <li>dimensetion bar</li> <li>dimensetion bar</li> <li>dimensetion bar</li> <li>dimensetion contacts</li> <li>connectable conductor cross-sections</li> <li>at AWS cables for main contacts</li> <li>connectable conductor cross-sections</li> <li>at aWS cables for main contacts</li> <li>connectable conductor cross-sections</li> <li>at aWS cables for main contacts</li> <li>connectable conductor cross-sections</li> <li>at aWS cables for main contacts</li> <li>connectable conductor cross-sections</li> <li>at aWS cables for main contacts</li> <li>connectable conductor cross-sections</li> <li>at aWS cables for auxiliary contacts</li> <li>a solid or stranded</li> <li>b or auxiliary contacts</li> <li>at AWS cables for auxiliary contacts</li> <li>at AWS cables for auxiliary contacts</li> <li>at AWS cables for auxiliary contacts</li> <li>at a solid or stranded</li> <li>b or auxiliary contacts</li> <li>at a solid or stranded</li> <li>b or auxiliary contacts</li> <li>at a solid or stranded</li> <li>b or auxiliary contacts</li> <li>at a solid or stranded</li> <li>b or auxiliary contacts</li> <li>b or auxiliary contac</li></ul>	Connections/ Terminals			
<ul> <li>• for auxiliary and control circuit</li> <li>• a contactor for auxiliary contacts</li> <li>• of magnet coli</li> <li>• conception bar</li> <li>• Connection bar</li> <li>• Connection bar</li> <li>• Connection bar</li> <li>• A WWG cables for main contacts</li> <li>• at AWG cables for main contacts</li> <li>• at AWG cables for main contacts</li> <li>• Standed</li> <li>• Connectable conductor cross-section for main contacts</li> <li>• Standed</li> <li>• Standed with core end processing</li> <li>• Standed with score end processing</li> <li>• Stan</li></ul>	type of electrical connection			
	<ul> <li>for main current circuit</li> </ul>	Connection bar		
• of magnet coll       Screw-type terminals         width of connection bar       25 mm         diameter of holes       11 mm         number of holes       1         type of connectable conductor cross-sections       1         • at AWG cables for main contacts       20 500 kcmil         connectable conductor cross-section for auxiliary contacts       70 240 mm <sup>3</sup> connectable conductor cross-section for auxiliary contacts       0.5 4 mm <sup>3</sup> • stranded       0.5 4 mm <sup>3</sup> • for auxiliary contacts       2x (0.5 1.5 mm <sup>3</sup> ), 2x (0.75 2.5 mm <sup>3</sup> ), max. 2x (0.75 4 mm <sup>3</sup> )         • solid or stranded       2x (0.5 1.5 mm <sup>3</sup> ), 2x (0.75 2.5 mm <sup>3</sup> ), max. 2x (0.75 4 mm <sup>3</sup> )         • a solid or stranded       2x (0.5 1.5 mm <sup>3</sup> ), 2x (0.75 2.5 mm <sup>3</sup> ), max. 2x (0.75 4 mm <sup>3</sup> )         • a ta WG cables for auxiliary contacts       2x (0.5 1.5 mm <sup>3</sup> ), 2x (0.75 2.5 mm <sup>3</sup> )         • a ta WG cables for auxiliary contacts       18 14         Safety rolated data       100 000         product function       11 4         • safety-related switching OFF       Yes         • safety-related switching	<ul> <li>for auxiliary and control circuit</li> </ul>	screw-type terminals		
width of connection bar       25 mm         thickness of connectable conductor cross-sections       6 mm         umber of holes       1         number of holes       1         type of connectable conductor cross-section for main contacts       20 500 kcmil         connectable conductor cross-section for auxiliary contacts       20 500 kcmil         onnectable conductor cross-section for auxiliary contacts       0.5 4 mm²         onnectable conductor cross-sections       0.5 2.5 mm²         • sid or stranded       0.5 2.5 mm²         - 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)         - solid or stranded       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)         - solid or stranded       2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), max. 2x (0.75 4 mm²)         - solid or stranded       18 14         Safety related data       18 14         Safety related data       190 value with high demand rate according to IEC 60947-4.1         - positively driven operation according to IEC 60947-5.1       1000 000         B10 value with high demand rate according to IEC 60927-5.	<ul> <li>at contactor for auxiliary contacts</li> </ul>	Screw-type terminals		
thickness of connectable conductor cross-sections       6 mm         immeter of holes       11 mm         type of connectable conductor cross-section for main contacts       20 500 kcmill         connectable conductor cross-section for auxiliary contacts       20 500 kcmill         connectable conductor cross-section for auxiliary contacts       0.5 4 mm²         is solid or stranded       0.5 4 mm²         of inely stranded with core end processing       0.5 4 mm²         - solid       - solid or stranded         - solid       - solid or stranded         - 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         - solid or stranded       - finely stranded with core end processing         - 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       2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), max. 2x (0.75 4 mm²)         - finely stranded with core end processing       - finely stranded with core end processing       18 14         Statey related swithing to Elec 60947-4-1       yes       1000 000         product function       - inirro contact according to IEC 60947.4-1       Yes <tr< td=""><td><ul> <li>of magnet coil</li> </ul></td><td>Screw-type terminals</td></tr<>	<ul> <li>of magnet coil</li> </ul>	Screw-type terminals		
diameter of holes       11 mm         number of holes       1         number of holes       1         type of connectable conductor cross-section for main contacts       20 500 kemil         connectable conductor cross-section for auxiliary contacts       20 500 kemil         connectable conductor cross-section for auxiliary contacts       0.5 4 mm <sup>2</sup> e solid or stranded       0.5 4 mm <sup>2</sup> - solid or stranded       0.5 15 mm <sup>2</sup> ), 2x (0.75 2.5 mm <sup>2</sup> ), max. 2x (0.75 4 mm <sup>2</sup> )         - solid or stranded       2x (0.5 1.5 mm <sup>2</sup> ), 2x (0.75 2.5 mm <sup>2</sup> ), max. 2x (0.75 4 mm <sup>2</sup> )         - solid or stranded       2x (0.5 1.5 mm <sup>2</sup> ), 2x (0.75 2.5 mm <sup>2</sup> ), max. 2x (0.75 4 mm <sup>2</sup> )         - solid or stranded       2x (0.5 1.5 mm <sup>2</sup> ), 2x (0.75 2.5 mm <sup>2</sup> ), max. 2x (0.75 4 mm <sup>2</sup> )         - solid or stranded       2x (0.5 1.5 mm <sup>2</sup> ), 2x (0.75 2.5 mm <sup>2</sup> ), max. 2x (0.75 4 mm <sup>2</sup> )         - solid or stranded       2x (0.5 1.5 mm <sup>2</sup> ), 2x (0.75 2.5 mm <sup>2</sup> )         - for auxiliary contacts       18 14         Safety related data       1000 000         product function       10 lie C 60947-4-1         • positively driven operation according to IEC 60529       1000 000         suitability for use       • safety-related switching OFF       Yes         Centificates/ approvals	width of connection bar	25 mm		
number of holes       1         type of connectable conductor cross-sections       20 500 kcmil         connectable conductor cross-section for main contacts       20 500 kcmil         connectable conductor cross-section for auxiliary contacts       0.5 4 mm²         e sind of stranded       0.5 4 mm²         inely stranded with core end processing       0.5 4 mm²	thickness of connection bar	6 mm		
type of connectable conductor cross-section for main contacts       2/0 500 kcmil         e standed       70 240 mm <sup>3</sup> connectable conductor cross-section for main contacts       70 240 mm <sup>3</sup> e stranded       70 240 mm <sup>3</sup> connectable conductor cross-sections       0.5 4 mm <sup>3</sup> • finely stranded with core end processing       0.5 4 mm <sup>3</sup> - solid       2x (0.5 1.5 mm <sup>3</sup> ), 2x (0.75 2.5 mm <sup>3</sup> ), max. 2x (0.75 4 mm <sup>3</sup> )         - solid or stranded       2x (0.5 1.5 mm <sup>3</sup> ), 2x (0.75 2.5 mm <sup>3</sup> ), max. 2x (0.75 4 mm <sup>3</sup> )         - finely stranded with core end processing       2x (0.5 1.5 mm <sup>3</sup> ), 2x (0.75 2.5 mm <sup>3</sup> ), max. 2x (0.75 4 mm <sup>3</sup> )         - finely stranded with core end processing       2x (0.5 1.5 mm <sup>3</sup> ), 2x (0.75 2.5 mm <sup>3</sup> ), max. 2x (0.75 4 mm <sup>3</sup> )         - finely stranded data       2x (0.5 1.5 mm <sup>3</sup> ), 2x (0.75 2.5 mm <sup>3</sup> )         AWG number as coded connectable conductor cross section       18 14         Safety related data       1000 000         product function       1000 000         inprotection class IP on the front according to IEC 60947-5.       1000 000         IP00; IP20 with box terminal/cover       6523         suitability for use       safety-related switching OFF       Yes         Certificates/ approvals       Contifmation	diameter of holes	11 mm		
• at AWG cables for main contacts       20 500 kcmil         connectable conductor cross-section for auxiliary contacts       70 240 mm <sup>2</sup> • sitanded       70 240 mm <sup>2</sup> • onectable conductor cross-section for auxiliary contacts       0.5 4 mm <sup>2</sup> • solid or stranded       0.5 1.5 mm <sup>2</sup> ), 2x (0.75 2.5 mm <sup>3</sup> ), max. 2x (0.75 4 mm <sup>2</sup> )         • solid or stranded       2x (0.5 1.5 mm <sup>2</sup> ), 2x (0.75 2.5 mm <sup>3</sup> ), max. 2x (0.75 4 mm <sup>2</sup> )         • solid or stranded       2x (0.5 1.5 mm <sup>2</sup> ), 2x (0.75 2.5 mm <sup>3</sup> ), max. 2x (0.75 4 mm <sup>2</sup> )         • oslid or stranded       2x (0.5 1.5 mm <sup>2</sup> ), 2x (0.75 2.5 mm <sup>3</sup> )         • at AWG cables for auxiliary contacts       2x (0.5 1.5 mm <sup>2</sup> ), 2x (0.75 2.5 mm <sup>3</sup> )         • at WG number as coded connectable conductor cross section       18 14         Safety related data       70 240 mm <sup>2</sup> product function       18 14         • ontively driven operation according to IEC 60947-4-1       Yes         • on the front according to IEC 60947-4-1       1000 000         product function on the front according to IEC 60947-4-1       Yes         • safety-related switching OFF       Yes </td <td>number of holes</td> <td>1</td>	number of holes	1		
connectable conductor cross-section for main contacts       70 240 mm <sup>2</sup> connectable conductor cross-section for auxiliary contacts       0.5 4 mm <sup>2</sup> • solid or stranded       0.5 2.5 mm <sup>2</sup> • for auxiliary contacts       0.5 1.5 mm <sup>2</sup> ), 2x (0.75 2.5 mm <sup>2</sup> ), max. 2x (0.75 4 mm <sup>2</sup> )         - solid       - solid or stranded         - solid or stranded       2x (0.5 1.5 mm <sup>2</sup> ), 2x (0.75 2.5 mm <sup>2</sup> ), max. 2x (0.75 4 mm <sup>2</sup> )         e for auxiliary contacts       2x (0.5 1.5 mm <sup>2</sup> ), 2x (0.75 2.5 mm <sup>2</sup> ), max. 2x (0.75 4 mm <sup>2</sup> )         e solid or stranded       2x (0.5 1.5 mm <sup>2</sup> ), 2x (0.75 2.5 mm <sup>2</sup> ), max. 2x (0.75 4 mm <sup>2</sup> )         e solid or stranded       2x (0.5 1.5 mm <sup>2</sup> ), 2x (0.75 2.5 mm <sup>2</sup> ), max. 2x (0.75 4 mm <sup>2</sup> )         e solid or stranded       2x (0.5 1.5 mm <sup>2</sup> ), 2x (0.75 2.5 mm <sup>2</sup> )         e solid or stranded       2x (0.5 1.5 mm <sup>2</sup> ), 2x (0.75 2.5 mm <sup>2</sup> )         e solid or stranded       2x (0.5 1.5 mm <sup>2</sup> ), 2x (0.75 2.5 mm <sup>2</sup> )         e total correlative conductor cross section       2x (0.5 1.5 mm <sup>2</sup> ), 2x (0.75 2.5 mm <sup>2</sup> )         e total correlative conductor cross section       18 14         Safety related data       19 14         product function       1000 000         inpre-safe, for vertical contact from the front with box terminal/cover         softey-related switch	type of connectable conductor cross-sections			
contacts       70 240 mm²         connectable conductor cross-section for auxiliary contacts       0.5 4 mm²         e inely stranded with core end processing       0.5 2.5 mm²         type of connectable conductor cross-sections       0.5 2.5 mm²         e of auxiliary contacts       0.5 2.5 mm²), 2x (0.75 2.5 mm²), max. 2x (0.75 4 mm²)         - 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)         • at AWG cables for auxiliary contacts       2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)         • of auxiliary contacts       18 14         Safety related data       90 contact according to IEC 60947-4.1         • opsitively driven operation according to IEC 60947-5.1       Yes         B10 value with high demand rate according to IEC 60529       1000 000         protection class IP on the front according to IEC 60529       finger-safe, for vertical contact from the front with box terminal/cover         safety-related switching OFF       Yes         Centificates/ approvals       Confirmation         General Product Approval       Confirmation	at AWG cables for main contacts	2/0 500 kcmil		
• stranded       70 240 mm²         connectable conductor cross-section for auxiliary contacts       • solid or stranded         • inely stranded with core end processing       0.5 2.5 mm²         type of connectable conductor cross-sections       • for auxiliary contacts         - solid       - solid         - finely 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), max. 2x (0.75 4 mm²)         - 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         - at 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 15 mm²), 2x (0.75 2.5 mm²), max. 2x (0.75 4 mm²)       2x (0.5 15 mm²), 2x (0.75 2.5 mm²)         - at AWG cables for auxiliary contacts       18 14         Safety related data       18 14         Product function       1000 000         Protection class IP on the front according to IEC 60947- 5       No         -1       1000 000         Iptotection on the front according to IEC 60529       inger-safe, for vertical contact from the front with box terminal/cover         suitability for use <td< td=""><td></td><td></td></td<>				
connectable conductor cross-section for auxiliary contacts       0.5 4 mm²         • solid or stranded • finely stranded with core end processing       0.5 2.5 mm²         type of connectable conductor cross-sections • for auxiliary contacts       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 • at AWG cables for auxiliary contacts       2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), max. 2x (0.75 4 mm²)         AWG number as coded connectable conductor cross section • for auxiliary contacts       12 (0.5 1.5 mm²), 2x (0.75 2.5 mm²)         AWG number as coded connectable conductor cross section • for auxiliary contacts       18 14         Safety related data       75 4 mm²         product function • mirror contact according to IEC 60947-4-1 • positively driven operation according to IEC 60947- 5-1       Yes         B10 value with high demand rate according to IEC 60929       1000 000         protection class IP on the front according to IEC 60529       1000 000         IP00; IP20 with box terminal/cover       63629         safety-related switching OFF       Yes         Cortificates/ approvals       Confirmation         General Product Approval       Confirmation         WC       Confirmation				
contacts <ul> <li>solid or stranded</li> <li>finely stranded with core end processing</li> <li>for auxiliary contacts</li> <li>solid or stranded</li> <li>solid or suxiliary contacts</li> </ul> <ul> <li>AWG number as coded connectable conductor cross section</li> <li>it AWG cables for auxiliary contacts</li> <li>ta cuxiliary contacts</li> <li>ta cuxiliary contacts</li> <li>ta 14</li> </ul> <ul> <li>Safety related data</li> <li>product function</li> <li>mirror contact according to IEC 60947-4-1</li> <li>positively driven operation according to IEC 60529</li> <li>interval according to IEC 60529</li> <li>suitability for use</li> <li>safety-related switching OFF</li> <li>Ves</li> </ul> <ul> <li>Confirmation</li> <li>Confirmation</li> <li>Micc</li></ul>		70 240 mm²		
<ul> <li>solid or stranded</li> <li>(firely stranded with core end processing</li> <li><b>type of connectable conductor cross-sections</b></li> <li>of auxiliary contacts <ul> <li>- solid</li> <li>- solid or stranded</li> <li>- solid or stranded</li> <li>- finely stranded with core end processing</li> <li>at AVVG cables for auxiliary contacts</li> </ul> </li> <li>AWG number as coded connectable conductor cross section <ul> <li>of auxiliary contacts</li> <li>at AVVG cables for auxiliary contacts</li> </ul> </li> <li>AWG number as coded connectable conductor cross section <ul> <li>of auxiliary contacts</li> <li>at AVVG cables for auxiliary contacts</li> </ul> </li> <li>AWG number as coded connectable conductor cross section <ul> <li>of auxiliary contacts</li> <li>at A</li> </ul> </li> <li>Safety related data</li> </ul> <li>product function <ul> <li>mirror contact according to IEC 60947-4.1</li> <li>positively driven operation according to IEC 60947-5.1</li> <li>B10 value with high demand rate according to IEC 60947-5.1</li> <li>B10 value with high demand rate according to IEC 60947-6.5</li> <li>I 000 000</li> <li>protection class IP on the front according to IEC 60529</li> <li>suitability for use <ul> <li>safety-related switching OFF</li> <li>Yes</li> </ul> </li> <li>Certificates/ approval</li> </ul> </li> <li>Confirmation <ul> <li>Confirmation</li> <li>KC</li> <li>KC</li> <li>KC</li> <li>KC</li> <li>KC</li> </ul> </li>				
• 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       - finely stranded with core end processing         • at AVG cables for auxiliary contacts       2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), max. 2x (0.75 4 mm²)         AWG aubles for auxiliary contacts       2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), max. 2x (0.75 4 mm²)         • at AVG cables for auxiliary contacts       2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)         • at AVG cables for auxiliary contacts       18 14         Safety related data       18 14         Safety related ata       1000 000         product function       1000 000         protection class IP on the front according to IEC 60947-4.1       Yes         • positively driven operation according to IEC 60947-5-1       1000 000         B10 value with high demand rate according to IEC 60529       Inger-safe, for vertical contact from the front with box terminal/cover         solids29       safety-related switching OFF       Yes         Cortificates/ approvals       Confirmation       KC         General Product Approvals       Confirmation       KC         General Product Approvals       Confirmation <td></td> <td><math>0.5 \ 4 \text{ mm}^2</math></td>		$0.5 \ 4 \text{ mm}^2$		
type of connectable conductor cross-sections         • for auxiliary contacts         - solid         - solid or stranded         - finely stranded with core end processing         • at 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         AWG number as coded connectable conductor cross section         • for auxiliary contacts         Image: a staff of the conduct according to IEC 60947-4-1         • positively driven operation according to IEC 60947-5-1         B10 value with high demand rate according to IEC 60947-5-1         B10 value with high demand rate according to IEC 60947-5-1         IP00; IP20 with box terminal/cover         60529         tuch protection on the front according to IEC 60529         suitability for use         • safety-related switching OFF         Yes         Confirmation         • cccc         Confirmation         • cccc         Confirmation         • safety-related switching OFF         Yes         Confirmation         • ccc         Confirmation				
<ul> <li>for auxiliary contacts         <ul> <li>solid</li> <li>solid or stranded</li> <li>finely stranded with core end processing</li> <li>at AWG cables for auxiliary contacts</li> </ul> </li> <li>AWG number as coded connectable conductor cross section         <ul> <li>for auxiliary contacts</li> <li>at AWG number as coded connectable conductor cross section</li> <li>for auxiliary contacts</li> <li>at AWG number as coded connectable conductor cross section</li> <li>for auxiliary contacts</li> <li>at a table state state</li></ul></li></ul>		0.5 2.5 mm		
<ul> <li> solid</li> <li>2x (0.5 1.5 mm<sup>3</sup>), 2x (0.75 2.5 mm<sup>3</sup>), max. 2x (0.75 4 mm<sup>3</sup>)</li> <li>2x (0.5 1.5 mm<sup>3</sup>), 2x (0.75 2,5 mm<sup>3</sup>), max. 2x (0.75 4 mm<sup>3</sup>)</li> <li>2x (0.5 1.5 mm<sup>3</sup>), 2x (0.75 2,5 mm<sup>3</sup>), max. 2x (0.75 4 mm<sup>2</sup>)</li> <li>2x (0.5 1.5 mm<sup>3</sup>), 2x (0.75 2,5 mm<sup>3</sup>)</li> <li>2x (20 16), 2x (18 14), 1x 12</li> <li>2x (20 16), 2x (18 14), 1x 12</li> <li>Safety related data</li> <li>10 value with high demand rate according to IEC 60529</li> <li>suitability for use</li> <li>safety-related switching OFF</li> <li>Yes</li> <li>Certificates/ approvals</li> <li>General Product Approval</li> <li>Confirmation</li> <li>Ex (Confirmation (Confirmation))</li> <li>Ex (Confirmation (Conf</li></ul>				
<ul> <li></li></ul>		$2x (0.5 - 1.5 \text{ mm}^2) 2x (0.75 - 2.5 \text{ mm}^2) \text{ max} 2x (0.75 - 4 \text{ mm}^2)$		
<ul> <li>finely stranded with core end processing         <ul> <li>at AWG cables for auxiliary contacts</li> <li>at AWG number as coded connectable conductor cross section                 <ul></ul></li></ul></li></ul>				
• at AWG cables for auxiliary contacts       2x (20 16), 2x (18 14), 1x 12         AWG number as coded connectable conductor cross section       • for auxiliary contacts       18 14         • for auxiliary contacts       18 14         Safety related data       • product function         • mirror contact according to IEC 60947-4-1       Yes         • positively driven operation according to IEC 60947- 5-1       Yes         B10 value with high demand rate according to SN 31920       1 000 000         protection class IP on the front according to IEC 60529       IP00; IP20 with box terminal/cover         suitability for use       • safety-related switching OFF         • safety-related switching OFF       Yes         Cortificates/ approvals       Confirmation         General Product Approval       Confirmation         ECC       Confirmation				
AWG number as coded connectable conductor cross section <ul> <li>for auxiliary contacts</li> <li>for auxiliary contacts</li> <li>an intro contact according to IEC 60947-4-1</li> <li>positively driven operation according to IEC 60947-5-1</li> <li>B10 value with high demand rate according to SN 31920</li> <li>protection class IP on the front according to IEC 60529</li> <li>for extracting to IEC 60529</li> <li>for extraction on the front according to IEC 60529</li> <li>safety-related switching OFF</li> <li>yes</li> </ul> <ul> <li>product Approvals</li> </ul> Certificates/ approvals <ul> <li>Confirmation</li> <li>yes</li> <li>with approvals</li> <li>Confirmation</li> <li>yes</li> <li>Confirmation</li> <li>yes</li> <li>with approvals</li> </ul>				
<ul> <li>for auxiliary contacts</li> <li>for auxiliary con</li></ul>	· · · · · · · · · · · · · · · · · · ·			
Safety related data         product function         • mirror contact according to IEC 60947-4-1         • positively driven operation according to IEC 60947- 5-1         B10 value with high demand rate according to SN 31920         protection class IP on the front according to IEC 60529         touch protection on the front according to IEC 60529         suitability for use         • safety-related switching OFF         Yes         Certificates/ approvals         General Product Approval         Confirmation         MC         Confirmation				
product function       • mirror contact according to IEC 60947-4-1       Yes         • positively driven operation according to IEC 60947- 5-1       Yes       No         B10 value with high demand rate according to SN 31920       1 000 000       IPO0; IP20 with box terminal/cover         fo529       touch protection on the front according to IEC 60529       IPO0; IP20 with box terminal/cover         suitability for use       • safety-related switching OFF       Yes         Certificates/ approvals       Confirmation       KC         General Product Approval       Confirmation       KC	<ul> <li>for auxiliary contacts</li> </ul>	18 14		
<ul> <li>mirror contact according to IEC 60947-4-1</li> <li>positively driven operation according to IEC 60947- 5-1</li> <li>B10 value with high demand rate according to SN 31920</li> <li>protection class IP on the front according to IEC 60529</li> <li>touch protection on the front according to IEC 60529</li> <li>suitability for use</li> <li>safety-related switching OFF</li> <li>Yes</li> <li>Certificates/ approvals</li> <li>General Product Approval</li> <li>Confirmation</li> <li>Confirmation</li> <li>Confirmation</li> </ul>	Safety related data			
<ul> <li>mirror contact according to IEC 60947-4-1</li> <li>positively driven operation according to IEC 60947- 5-1</li> <li>B10 value with high demand rate according to SN 31920</li> <li>protection class IP on the front according to IEC 60529</li> <li>touch protection on the front according to IEC 60529</li> <li>suitability for use</li> <li>safety-related switching OFF</li> <li>Yes</li> <li>Certificates/ approvals</li> <li>General Product Approval</li> <li>Confirmation</li> <li>Confirmation</li> <li>Confirmation</li> </ul>	product function			
		Yes		
5-1	-	No		
protection class IP on the front according to IEC       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         suitability for use       • safety-related switching OFF       Yes         Certificates/ approvals       General Product Approval       KC         Example       Confirmation       KC         Confirmation       Up       KC	5-1			
60529         touch protection on the front according to IEC 60529         suitability for use         • safety-related switching OFF         Yes         Certificates/ approvals         Confirmation         KC         Confirmation         KC         Certificates/ approvals         Confirmation         KC         Confirmation         KC         Confirmation	B10 value with high demand rate according to SN 31920	1 000 000		
touch protection on the front according to IEC 60529         suitability for use         • safety-related switching OFF         Yes         Certificates/ approvals         Centificates/ approvals         Confirmation         KC         Certificates/ approvals         Confirmation         KC         Certificates/ approvals		IP00; IP20 with box terminal/cover		
suitability for use       • safety-related switching OFF       Yes         Certificates/ approvals       General Product Approval         General Product Approval       Confirmation       KC         EFFC       Ccc				
<ul> <li>safety-related switching OFF Yes</li> <li>Certificates/ approvals</li> <li>General Product Approval</li> <li>Confirmation UL</li> <li>Confirmation UL</li> </ul>		inger-sale, for vertical contact from the front with box terminal/cover		
Certificates/ approvals General Product Approval Confirmation CCC CCC CCC CCC CCC CCC CCC C	-	Voc		
General Product Approval				
Confirmation Confirmation Confirmation Confirmation				
	General Product Approval			
EMC         Functional         Declaration of Conformity         Test Certificates				

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	Safety/Safety of Machinery				
RCM	<u>Type Examination</u> <u>Certificate</u>		CE EG-Konf.	Type Test Certific- ates/Test Report	<u>Special Test Certific-</u> <u>ate</u>
Marine / Shipping					other
ABS	Lloyd's Register us	PRS	RMRS	DNV-GL DNV-GL	<u>Miscellaneous</u>
other			Railway		
<u>Confirmation</u>	<u>Miscellaneous</u>	<u>Confirmation</u>	Special Test Certific- ate		
Further information					
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=3RT1064-6NB36 Cax online generator http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT1064-6NB36 Service&Support (Manuals, Certificates, Characteristics, FAQs,) https://support.industry.siemens.com/cs/ww/en/ps/3RT1064-6NB36 Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros,) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RT1064-6NB36⟨=en Characteristic: Tripping characteristics, I <sup>2</sup> t, Let-through current https://support.industry.siemens.com/cs/ww/en/ps/3RT1064-6NB36/char Further characteristics (e.g. electrical endurance, switching frequency) http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT1064-6NB36&objecttype=14&gridview=view1					

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