## SIEMENS

## Data sheet

## 3RT2035-3NB34-3MA0



power contactor, AC-3 40 A, 18.5 kW / 400 V 2 NO + 2 NC, AC / DC 20-33 V, communication- capable, with varistor, 3-pole, Size S2, spring-type terminal, Captive auxiliary switch

product designation         Power contactor           product type designation         3R12           General technical data         S2           size of contactor         S2           product extension         No           • function module for communication         No           • function module for communication         No           • at AC in hot operating state         6.6 W           • at AC in hot operating state per pole         2.2 W           • without load current share typical         690 V           • of auxiliary circuit with degree of pollution 3 rated value         690 V           • of main circuit with degree of pollution 3 rated value         64 V           • of main circuit rated value         6 KV           • of auxiliary circuit rated value         6 kV           • of auxiliary circuit rated value         6 kV           • of auxiliary circuit rated value         6 kV           • at AC         9 (9 / 5 ms, 3.7g / 10 ms           • at AC         9 (9 / 5 ms, 5.8g / 10 ms           • at AC         9 (9 / 5 ms, 5.8g / 10 ms           • at AC         9	product brand name	SIRIUS
size of contactor       S2         product extension       No         • function module for communication       No         • auxiliary switch       No         • auxiliary switch       No         • at AC in hot operating state per pole       2.2 W         • of main circuit with degree of pollution 3 rated value       690 V         • of auxiliary circuit with degree of pollution 3 rated value       690 V         • of auxiliary circuit with degree of pollution 3 rated value       690 V         • of main circuit with degree of pollution 3 rated value       64V         • of main circuit rated value       64V         • of maxiliary circuit rated value       64V         • of auxiliary circuit rated value       64V         • of auxiliary circuit rated value       64V         • of auxiliary circuit rated value       61g /5 ms, 3.7g / 10 ms         • at AC       6.1g /5 ms, 3.7g / 10 ms         • at AC       9.6g /5 ms, 5.8g / 10 ms         • at DC       9.6g /5 ms, 5.8g / 10 ms         • at DC       9.6g / 5 ms, 5.8g / 10 ms         • at DC       9.6g / 5 ms, 5.8g / 10 ms         • at DC       9.6g / 5 ms, 5.8g / 10 ms         • at DC       9.6g / 5 ms, 5.8g / 10 ms         • at DC       9.6g / 5 ms, 5.8g / 10 ms <td>product designation</td> <td>Power contactor</td>	product designation	Power contactor
size of contactor     S2       product extension     No       • function module for communication     No       • auxiliary switch     No       power loss [W] for rated value of the current     6.6 W       • at AC in hot operating state per pole     2.2 W       • without load current share typical     2W       insulation voltage     690 V       • of main circuit with degree of pollution 3 rated value     690 V       • of main circuit rated value     64 KV       • of main circuit rated value     64 KV       • of main cortate for adge for safe isolation between coil and main contacts according to EN 60947-1     400 V       shock resistance at rectangular impulse     6.1g / 5 ms, 3.7g / 10 ms       • at AC     6.1g / 5 ms, 3.7g / 10 ms       • at DC     9.6g / 5 ms, 5.8g / 10 ms       • at DC     9.6g / 5 ms, 5.8g / 10 ms       • at DC     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       • 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	product type designation	3RT2
product extension       No         • function module for communication       No         • auxiliary switch       No         • auxiliary switch       No         • at AC in hot operating state       6.6 W         • at AC in hot operating state per pole       2.2 W         • without load current share typical       2 W         insulation voltage       690 V         • of main circuit with degree of pollution 3 rated value       690 V         • of auxiliary circuit rated value       6 kV         • of main circuit rated value       6 kV         • of auxiliary circuit rated value       6 kV         • of main circuit rated value       6 kV         • at AC       6.1g / 5 ms, 3.7g / 10 ms         • at AC       9.6g / 5 ms, 5.8g / 10 ms         • at AC       9.6g / 5 ms, 5.8g / 10 ms         • at AC       9.6g / 5 ms, 5.8g / 10 ms         • at AC       9.6g / 5 ms, 5.8g / 10 ms         • at AC       9.6g / 5 ms, 5.8g / 10 ms         • at DC       5.000 000         • of the co	General technical data	
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insulation voltage       690 V         • of main circuit with degree of pollution 3 rated value       690 V         • of auxiliary circuit with degree of pollution 3 rated value       690 V         • of main circuit with degree of pollution 3 rated value       690 V         • of main circuit with degree of pollution 3 rated value       690 V         • of main circuit rated value       6 kV         • of main circuit rated value       6 kV         • of auxiliary circuit rated value       6 kV         • at AC       6.1g / 5 ms, 3.7g / 10 ms         • at AC       9.6g / 5 ms, 5.8g / 10 ms         • at AC       9.6g / 5 ms, 5.8g / 10 ms         • at AC       9.6g / 5 ms, 5.8g / 10 ms         • at AC       9.6g / 5 ms, 5.8g / 10 ms         • at DC       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 auxili	<ul> <li>at AC in hot operating state per pole</li> </ul>	2.2 W
• of main circuit with degree of pollution 3 rated value690 V• of auxiliary circuit with degree of pollution 3 rated value690 Vsurge voltage resistance690 V• of main circuit rated value6 kV• of main contacts according to EN 60947-1400 Vshock resistance at rectangular impulse6.1g / 5 ms, 3.7g / 10 ms• at AC6.1g / 5 ms, 3.7g / 10 ms• at AC9.6g / 5 ms, 5.8g / 10 ms• at AC9.6g / 5 ms, 5.8g / 10 ms• at AC9.6g / 5 ms, 5.8g / 10 ms• at AC9.6g / 5 ms, 5.8g / 10 ms• at AC9.6g / 5 ms, 5.8g / 10 ms• at AC9.0g / 5 ms, 5.8g / 10 ms• at AC9.0g / 5 ms, 5.8g / 10 ms• at AC9.0g / 5 ms, 5.8g / 10 ms• at AC9.0g / 5 ms, 5.8g / 10 ms• at AC9.0g / 5 ms, 5.8g / 10 ms• at AC9.0g / 5 ms, 5.8g / 10 ms• at AC9.0g / 5 ms, 5.8g / 10 ms• at AC9.0g / 5 ms, 5.8g / 10 ms• at AC9.0g / 5 ms, 5.8g / 10 ms• at AC9.0g / 5 ms, 5.8g / 10 ms• at AC9.0g / 5 ms, 5.8g / 10 ms• at AC9.0g / 5 ms, 5.8g / 10 ms• at AC9.0g / 5 ms, 5.8g / 10 ms• at AC9.0g / 5 ms<	<ul> <li>without load current share typical</li> </ul>	2 W
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value         Image: voltage resistance           • of main circuit rated value         6 kV           • of auxiliary circuit rated value         6 kV           maximum permissible voltage for safe isolation between coil and main contacts according to EN 60947-1         400 V           shock resistance at rectangular impulse         -           • at AC         6.1g / 5 ms, 3.7g / 10 ms           • at AC         6.1g / 5 ms, 3.7g / 10 ms           • at AC         9.6g / 5 ms, 5.8g / 10 ms           • at AC         9.6g / 5 ms, 5.8g / 10 ms           • at AC         9.6g / 5 ms, 5.8g / 10 ms           • at AC         9.6g / 5 ms, 5.8g / 10 ms           • at DC         5000 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           reference code according to IEC 81346-2         Q           Substance Prohibitance (Date)         Qu/1/2014           Ambient conditions         2000 m           ambient temperature • during operation         2000 m	<ul> <li>of main circuit with degree of pollution 3 rated value</li> </ul>	690 V
• of main circuit rated value6 kV• of auxiliary circuit rated value6 kVmaximum permissible voltage for safe isolation between coil and main contacts according to EN 60947-1400 Vshock resistance at rectangular impulse-• at AC6.1g / 5 ms, 3.7g / 10 ms• at AC6.1g / 5 ms, 3.7g / 10 ms• at AC9.6g / 5 ms, 5.8g / 10 ms• at AC9.6g / 5 ms, 5.8g / 10 ms• at AC9.6g / 5 ms, 5.8g / 10 ms• at AC9.6g / 5 ms, 5.8g / 10 ms• at AC9.6g / 5 ms, 5.8g / 10 ms• at AC9.6g / 5 ms, 5.8g / 10 ms• at AC9.6g / 5 ms, 5.8g / 10 ms• at AC9.6g / 5 ms, 5.8g / 10 ms• at AC9.6g / 5 ms, 5.8g / 10 ms• at AC9.6g / 5 ms, 5.8g / 10 ms• at AC9.6g / 5 ms, 5.8g / 10 ms• at AC9.6g / 5 ms, 5.8g / 10 ms• at DC9.6g / 5 ms, 5.8g / 10 ms• at DC9.6g / 5 ms, 5.8g / 10 ms• at DC9.6g / 5 ms, 5.8g / 10 ms• at AC9.6g / 5 ms, 5.8g / 10 ms• at DC9.6g / 5 ms, 5.8g / 10 ms• at DC9.6g / 5 ms, 5.8g / 10 ms• at DC9.6g / 5 ms, 5.8g / 10 ms• at DC0.000 000• of the contactor with added electronically optimized auxiliary switch block typical• of the contactor with added auxiliary switch block typical10 000 000• of the contactor with added auxiliary switch block typicalQInstallation altitude at height above sea level maximum e during operation2 000 mambient		690 V
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coil and main contacts according to EN 60947-1       shock resistance at rectangular impulse         • at AC       6.1g / 5 ms, 3.7g / 10 ms         • at DC       6.1g / 5 ms, 3.7g / 10 ms         shock resistance with sine pulse       6.1g / 5 ms, 3.7g / 10 ms         • at AC       9.6g / 5 ms, 5.8g / 10 ms         • at DC       9.6g / 5 ms, 5.8g / 10 ms         • at DC       9.6g / 5 ms, 5.8g / 10 ms         • at DC       9.6g / 5 ms, 5.8g / 10 ms         • at DC       9.6g / 5 ms, 5.8g / 10 ms         • at DC       9.6g / 5 ms, 5.8g / 10 ms         • at DC       9.6g / 5 ms, 5.8g / 10 ms         • at DC       9.6g / 5 ms, 5.8g / 10 ms         • at DC       9.6g / 5 ms, 5.8g / 10 ms         • at DC       9.6g / 5 ms, 5.8g / 10 ms         • at DC       9.6g / 5 ms, 5.8g / 10 ms         • at DC       9.6g / 5 ms, 5.8g / 10 ms         • at DC       9.6g / 5 ms, 5.8g / 10 ms         • 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 typical       10/01/2014         Ambient conditions       2 000 m         inst	<ul> <li>of auxiliary circuit rated value</li> </ul>	6 kV
• at AC6.1g / 5 ms, 3.7g / 10 ms• at DC6.1g / 5 ms, 3.7g / 10 msshock resistance with sine pulse• at AC9.6g / 5 ms, 5.8g / 10 ms• at DC9.6g / 5 ms, 5.8g / 10 ms• at DC9.6g / 5 ms, 5.8g / 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 000 000• 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 typical2 000 mreference code according to IEC 81346-2QAmbient conditions2 000 minstallation altitude at height above sea level maximum2 000 mambient temperature • during operation-25 +60 °C		400 V
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• at AC9.6g / 5 ms, 5.8g / 10 ms• at DC9.6g / 5 ms, 5.8g / 10 msmechanical service life (switching cycles)0.000 000• 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 typical0 000 000• of the contactor with added auxiliary switch block typical10 000 000• of the contactor de according to IEC 81346-2QSubstance Prohibitance (Date)10/01/2014Ambient conditions2 000 minstallation altitude at height above sea level maximum2 000 m• during operation-25 +60 °C	• at DC	6.1g / 5 ms, 3.7g / 10 ms
• at DC9.6g / 5 ms, 5.8g / 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 typical10 000 000• of the contactor with added auxiliary switch block typicalQreference code according to IEC 81346-2QSubstance Prohibitance (Date)10/01/2014Ambient conditions2 000 minstallation altitude at height above sea level maximum • during operation2 000 m	shock resistance with sine pulse	
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typical     Image: constraint of the second se		5 000 000
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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)	10/01/2014
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	
number of poles for main current circuit	3
number of NO contacts for main contacts	3
operating voltage	
<ul> <li>at AC-3 rated value maximum</li> </ul>	690 V
at AC-3e rated value maximum	690 V
operational current	
<ul> <li>at AC-1 at 400 V at ambient temperature 40 °C rated value</li> </ul>	60 A
• at AC-1	
up to 690 V at ambient temperature 40 °C	60 A
rated value	
— up to 690 V at ambient temperature 60 °C	55 A
rated value	
● at AC-3	
— at 400 V rated value	41 A
— at 500 V rated value	41 A
— at 690 V rated value	24 A
• at AC-3e	41.0
— at 400 V rated value	41 A 41 A
- at 500 V rated value	
<ul> <li>— at 690 V rated value</li> <li>at AC-4 at 400 V rated value</li> </ul>	24 A 35 A
<ul> <li>at AC-4 at 400 V fated value</li> <li>at AC-5a up to 690 V rated value</li> </ul>	52.8 A
• at AC-5b up to 400 V rated value	33.2 A
• at AC-6a	55.2 A
— up to 230 V for current peak value n=20 rated	36.5 A
value	
<ul> <li>— up to 400 V for current peak value n=20 rated value</li> </ul>	36.5 A
— up to 500 V for current peak value n=20 rated value	36.5 A
<ul> <li>— up to 690 V for current peak value n=20 rated value</li> </ul>	24 A
• at AC-6a	
<ul> <li>— up to 230 V for current peak value n=30 rated value</li> </ul>	24.2 A
<ul> <li>— up to 400 V for current peak value n=30 rated value</li> </ul>	24.2 A
— up to 500 V for current peak value n=30 rated value	24.2 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 value	16 mm²
operational current for approx. 200000 operating cycles at AC-4	
• at 400 V rated value	22 A
• at 690 V rated value	18.5 A
operational current	
<ul> <li>at 1 current path at DC-1</li> </ul>	
— at 24 V rated value	55 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 110 V rated value	45 A
— at 220 V rated value	5 A

at 110 V rated value	4.6
— 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 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 110 V rated value	2.5 A
— at 220 V rated value	1A
— 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 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 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	18.5 kW
• at AC-3	
— at 230 V rated value	11 kW
— at 400 V rated value	18.5 kW
— at 500 V rated value	22 kW
— at 690 V rated value	22 kW
• at AC-3e	
— at 230 V rated value	11 kW
— at 400 V rated value	18.5 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	11.6 kW
at 690 V rated value	16.8 kW
operating apparent power at AC-6a	
up to 230 V for current peak value n=20 rated value	14.5 kVA
<ul> <li>up to 200 V for current peak value n=20 rated value</li> <li>up to 400 V for current peak value n=20 rated value</li> </ul>	25.2 kVA
<ul> <li>up to 400 V for current peak value n=20 rated value</li> <li>up to 500 V for current peak value n=20 rated value</li> </ul>	25.2 KVA 31.6 kVA
<ul> <li>up to 500 V for current peak value n=20 rated value</li> <li>up to 690 V for current peak value n=20 rated value</li> </ul>	28.6 kVA
operating apparent power at AC-6a	
up to 230 V for current peak value n=30 rated value	9.6 kVA
• up to 400 V for current peak value n=30 rated value	16.8 kVA
• up to 500 V for current peak value n=30 rated value	21 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	
<ul> <li>limited to 1 s switching at zero current maximum</li> </ul>	843 A; Use minimum cross-section acc. to AC-1 rated value
<ul> <li>limited to 5 s switching at zero current maximum</li> </ul>	596 A; Use minimum cross-section acc. to AC-1 rated value
<ul> <li>limited to 10 s switching at zero current maximum</li> </ul>	400 A; Use minimum cross-section acc. to AC-1 rated value
<ul> <li>limited to 30 s switching at zero current maximum</li> </ul>	241 A; Use minimum cross-section acc. to AC-1 rated value
<ul> <li>limited to 60 s switching at zero current maximum</li> </ul>	196 A; Use minimum cross-section acc. to AC-1 rated value
no-load switching frequency	
• at AC	1 500 1/h

● at DC	1 500 1/h
operating frequency	
• at AC-1 maximum	1 200 1/h
• at AC-2 maximum	750 1/h
• at AC-3 maximum	1 000 1/h
• at AC-3e maximum	1 000 1/h
• at AC-4 maximum	300 1/h
Control circuit/ Control	300 1/1
	40/00
type of voltage of the control supply voltage control supply voltage at AC	AC/DC
• at 50 Hz rated value	20 33 V
at 50 Hz rated value	20 33 V
	20 33 V
control supply voltage at DC <ul> <li>rated value</li> </ul>	20 33 V
	20 33 V
operating range factor control supply voltage rated value of magnet coil at DC	
initial value	0.8
• full-scale value	1.1
operating range factor control supply voltage rated	
value of magnet coil at AC	
• at 50 Hz	0.8 1.1
• at 60 Hz	0.8 1.1
design of the surge suppressor	with varistor
inrush current peak	3 A
duration of inrush current peak	- 50 μs
locked-rotor current mean value	1 A
locked-rotor current peak	2.6 A
duration of locked-rotor current	230 ms
holding current mean value	40 mA
apparent pick-up power of magnet coil at AC	
• at 50 Hz	40 VA
• at 60 Hz	40 VA
apparent holding power of magnet coil at AC	
• at 50 Hz	2 VA
• at 60 Hz	2 VA
closing power of magnet coil at DC	23 W
holding power of magnet coil at DC	1 W
closing delay	
• at AC	35 110 ms
• at DC	35 110 ms
opening delay	
• at AC	30 55 ms
• at DC	30 55 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	2
instantaneous contact	
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 60 V rated value	6 A
• at 110 V rated value	3 A

	0.4			
• 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	6 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	40.4			
at 480 V rated value	40 A			
at 600 V rated value	41 A			
yielded mechanical performance [hp]				
<ul> <li>for single-phase AC motor</li> </ul>				
— at 110/120 V rated value	3 hp			
— at 230 V rated value	7.5 hp			
<ul> <li>for 3-phase AC motor</li> </ul>				
— at 200/208 V rated value	10 hp			
— at 220/230 V rated value	15 hp			
— at 460/480 V rated value	30 hp			
— at 575/600 V rated value	40 hp			
contact rating of auxiliary contacts according to UL	A600 / Q600			
Short-circuit protection				
design of the fuse link				
<ul> <li>for short-circuit protection of the main circuit</li> </ul>				
— with type of coordination 1 required	gG: 160 A (690 V, 100 kA), aM: 80 A (690 V, 100 kA), BS88: 125 A (415 V, 80 kA)			
<ul> <li>— with type of assignment 2 required</li> </ul>	gG: 80A (690V,100kA), aM: 50A (690V,100kA), BS88: 63A (415V,80kA)			
<ul> <li>for short-circuit protection of the auxiliary switch required</li> </ul>	gG: 10 A (500 V, 1 kA)			
Installation/ mounting/ dimensions	-			
mounting position	+/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface			
fastening method	screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715			
<ul> <li>side-by-side mounting</li> </ul>	Yes			
height	114 mm			
width	55 mm			
depth	178 mm			
required spacing				
<ul> <li>with side-by-side mounting</li> </ul>				
— forwards	10 mm			
— upwards	10 mm			
— downwards	10 mm			
— at the side	0 mm			
<ul> <li>for grounded parts</li> </ul>				
— forwards	10 mm			
— upwards	10 mm			
— at the side	6 mm			
— downwards	10 mm			
<ul> <li>for live parts</li> </ul>				
— forwards	10 mm			
— upwards	10 mm			
— downwards	10 mm			
— at the side	6 mm			
Connections/ Terminals				

type of electrical co	nnection						
<ul> <li>for main curren</li> </ul>			screw-type term	ninals			
<ul> <li>for auxiliary and</li> </ul>		screw-type terminals spring-loaded terminals					
-	-						
<ul> <li>of magnet coil</li> </ul>	<ul> <li>at contactor for auxiliary contacts</li> <li>of magnet coil</li> </ul>		Spring-type terminals Spring-type terminals				
	conductor cross-sec	tions	oping type ten				
<ul> <li>for main contact</li> </ul>							
	solid or stranded		2x (1 35 mm <sup>2</sup>	<sup>2</sup> ) 1x (1 50	) mm²)		
	<ul> <li>— finely stranded with core end processing</li> </ul>		2x (1 35 mm²), 1x (1 50 mm²) 2x (1 25 mm²), 1x (1 35 mm²)				
-	at AWG cables for main contacts			2x (1 25 mm <sup>-</sup> ), 1x (1 35 mm <sup>-</sup> ) 2x (18 2), 1x (18 1)			
connectable conduc	ctor cross-section for	main					
contacts							
	with core end processi		1 35 mm²				
	ctor cross-section for	auxiliary					
<ul> <li>contacts</li> <li>solid or strande</li> </ul>	a d		0.5 2.5 mm²				
	with core end processi	na	0.5 2.5 mm <sup>2</sup>				
		0	0.5 1.5 mm				
<ul> <li>for auxiliary correctable</li> </ul>	e conductor cross-sec	10115					
<ul> <li>Ior auxiliary con</li> <li>— solid or sti</li> </ul>			2x (0.5 2.5 m	nm²)			
	nded with core end prod	cessing	2x (0.5 2.5 m 2x (0.5 1.5 m				
-	nded without core end proc	-	2x (0.5 1.5 m 2x (0.5 2.5 m				
-	for auxiliary contacts	broocoomig	2x (20 14)				
	ded connectable conc	luctor cross					
section							
<ul> <li>for main contact</li> </ul>	<ul> <li>for main contacts</li> </ul>		18 1				
<ul> <li>for auxiliary cor</li> </ul>	ntacts		20 14				
Safety related data							
product function							
<ul> <li>mirror contact a</li> </ul>	according to IEC 60947	-4-1	Yes				
	n operation according to	o IEC 60947-	No				
5-1 D10 volue with high a	lomand rate as	to SNI 24000	1 000 000				
-	B10 value with high demand rate according to SN 31920		1 000 000				
<ul> <li>proportion of dangerous failures</li> <li>with low demand rate according to SN 31920</li> </ul>		40 %					
	and rate according to SN		40 % 73 %				
	low demand rate accord						
31920			100111				
	st interval or service life	according to	20 у				
IEC 61508	an that for the state		-				
protection class IP ( 60529	on the front according	I to IEC	IP20				
	the front according to	o IEC 60529	finger-safe, for vertical contact from the front				
suitability for use			01. 22.0, 101	e e e e e e e e e e e e e e e e e e e			
<ul> <li>safety-related s</li> </ul>	switching OFF		Yes				
Certificates/ approval	-						
General Product Ap							
Contrain Froduct Ap							
(SP)	<b>Confirmation</b>	$(\mathbf{x})$	6	۶D	<u>KC</u>	FAL	
CSA				UL		LIIL	
EMC	Functional	Doclaration	of Conformity		Test Certificates		
EIWIC	Safety/Safety of Machinery	Declaration	Gonomity		rest certificates		
	-						
<b>A</b>	Type Examination	~ ~		IK	Type Test Certific-	Special Test Certific-	
<u>/</u> (A)	<u>Certificate</u>	ĽE		K	ates/Test Report	ate	
RCM		EG-Konf.	C	.Н			

Marine / Shipping						
ABS	BUREAU VERITAS		Lloyds Register uis	PRS	RINA	
Marine / Shipping	other		Railway	Dangerous Good		
RMRS R	Confirmation Confirmation Vibration and Shock Transport Informa- tion					
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=3RT2035-3NB34-3MA0         Cax online generator         http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT2035-3NB34-3MA0         Service&Support (Manuals, Certificates, Characteristics, FAQs,)         http://support.industry.siemens.com/cs/ww/en/ps/3RT2035-3NB34-3MA0         Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros,)         http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RT2035-3NB34-3MA0⟨=en         Characteristics, I*t, Let-through current         https://support.industry.siemens.com/cs/ww/en/ps/3RT2035-3NB34-3MA0         Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros,)         http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RT2035-3NB34-3MA0⟨=en         Characteristics: Tripping characteristics, I*t, Let-through current         https://support.industry.siemens.com/cs/ww/en/ps/3RT2035-3NB34-3MA0/char         Further characteristics (e.g. electrical endurance, switching frequency)						

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