# SIEMENS

#### Data sheet

### 3RT2027-2BB40-0CC0



power contactor, AC-3e/AC-3, 32 A, 15 kW / 400 V, 3-pole, 24 V DC, auxiliary contacts: 1 NO + 1 NC, spring-loaded terminal, size: S0, communication-capable

product brand name         SIRIUS           product designation         Power contactor           general technical data         3RT2           General technical data         S0           size of contactor         S0           of unction module for communication         Yes           • function module for communication         Yes           out AL CI in hot operating state         6.3 W           • at AC in hot operating state per pole         2.3 W           • at AC in hot operating state per pole         2.3 W           • of main circuit with degree of pollution 3 rated value         690 V           • of main circuit rated value         690 V           • of main circuit rated value         64 V           • of anain circuit rated value         64 V           • of anaixiliary circuit rated value         64 V           • of anaixiliary site per pole         100 V           shock resistance at rectangular inpulse         64 V           • at DC         10g / 5 ms, 75g	and a last				
product type designation         3RT2           General technical data         size of contactor         S0           product extension         size of contactor         Yes           • function module for communication         Yes         Yes           • auxiliary switch         Yes         Yes           • at AC in hot operating state         6.3 W         4.3 W           • at AC in hot operating state per pole         2.3 W         Yes           • of main circuit with degree of pollution 3 rated value         690 V         690 V           • of auxiliary circuit rated value         690 V         690 V           • of main circuit with degree of pollution 3 rated value         690 V         690 V           • of auxiliary circuit rated value         6 kV         64 kV           • of main circuit with degree of pollution 3 rated value         690 V         690 V           • of main circuit with degree of pollution 3 rated value         64 kV         64 kV           • of main circuit with degree of pollution 3 rated value         64 kV         64 kV           • of main circuit with adge for protective separation between col and main contacts according to EN 60947-1         400 V           • at DC         10g / 5 ms, 7.5g / 10 ms         61 for contactor typical           • at DC         10g / 5 ms, 10g / 10 ms<	product brand name	SIRIUS			
General lochnical data       S0         size of contactor       S0         product extension       •         • function module for communication       Yes         • auxiliary switch       Yes         power loss [W] for rated value of the current       6.3 W         • at AC in hot operating state       6.3 W         • at AC in hot operating state per pole       2.3 W         • without load current share typical       5.9 W         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 auxiliary circuit rated value       6 kV         • of auxiliary switch block togear       10g / 5 ms, 7.5g / 10 ms         shock resistance with sine pulse       10 00	product designation	Power contactor			
size of contactor     S0       product extension     Yes       • auxiliary switch     Yes       power loss [W] for rated value of the current     6.3 W       • at AC in hot operating state     6.3 W       • at AC in hot operating state     5.3 W       • without load current share typical     5.9 W       insulation voltage     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     690 V       • of main circuit rated value     64V       • of main circuit rated value     64V       • of main circuit rated value     64V       • of auxiliary circuit with degree of pollution 3 rated value     64V       • of main circuit rated value     64V       • of main circuit rated value     64V       • of auxiliary switch block typical     10g / 5 ms, 7,5g / 10 ms       shock resistance at rectangular impulse     10g / 5 ms, 10g / 10 ms       mechanical service life (operating cycles)     10 000 000<	product type designation				
product extension         Yes           • tunction module for communication         Yes           • auxiliary switch         Yes           power loss [W] for rated value of the current         -           • at AC in hot operating state         6.3 W           • at AC in hot operating state per pole         2.3 W           • without load current share typical         5.9 W           insultation voltage         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         690 V           • of main circuit rated value         690 V           • of auxiliary circuit rated value         64 KV           • of auxiliary circuit rated value         64 KV           • of auxiliary circuit rated value         100 V           • of contacter spice for protective separation between         10g / 5 ms, 7,5g / 10 ms           • at DC         10g / 5 ms, 10g / 10 ms           • at DC         100	General technical data				
• function module for communicationYes• auxiliary switchYespower loss [W] for rated value of the current• at AC in hot operating state6.3 W• at AC in hot operating state prole2.3 W• without load current share typical5.9 Winsulation voltage600 V• of main circuit with degree of pollution 3 rated value600 V• of main circuit with degree of pollution 3 rated value600 V• of main circuit rated value600 V• of main circuit rated value600 V• of main circuit rated value64 V• of main circuit rated value64 V• of auxiliary circuit rated value64 V• of contactor typical100 / 5 ms 7,5g / 10 ms• at DC15g / 5 ms ,75g / 10 ms• at DC15g / 5 ms ,10g / 10 ms• of contactor with added electronically optimized auxiliary switch block typical10 000 000• of the contactor with added electronically optimized 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 typical0• of the contactor with added auxiliary switch block typical10 000 000• of the contactor with added auxiliary switch block typical000/2009• of the co	size of contactor	S0			
• auxiliary switchYespower loss [W] for rated value of the current6.3 W• at AC in hot operating state per pole2.3 W• at AC in hot operating state per pole2.3 W• without load current share typical5.9 W• of main circuit with degree of pollution 3 rated value690 V• of auxiliary circuit with degree of pollution 3 rated value690 V• of main circuit rated value690 V• of main circuit rated value640 V• of main circuit rated value640 V• of main circuit rated value640 V• of auxiliary circuit rated value640 V• of othe contacts according to EN 60947-1100 / 5 ms, 7,5g / 10 ms• of the contact rate rate pulse10 000 000• of the contactor with added electronically optimized5000 000• of the contactor with added electronically optimized000000• of the contactor with added electronically optimized0000 000• of the contactor with added auxiliary switch block typical0000000• of the contactor with added auxiliary switch block typical00000000 <t< th=""><th>product extension</th><th></th></t<>	product extension				
power loss [W] for rated value of the current         current           • at AC in hot operating state         6.3 W           • at AC in hot operating state per pole         2.3 W           • without load current share typical         5.9 W           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 rated value         64 kV           • of auxiliary circuit rated value         64 kV           • of auxiliary circuit rated value         64 kV           • of auxiliary circuit rated value         100 / 5 ms, 7,5g / 10 ms           shock resistance at rectangular impulse         15g / 5 ms, 10g / 10 ms           • at DC         15g / 5 ms, 10g / 10 ms           mechanical service life (operating cycles)         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         10 000 000	<ul> <li>function module for communication</li> </ul>	Yes			
• at AC in hot operating state6.3 W• at AC in hot operating state per pole2.3 W• without load current share typical5.9 WInsulation voltage690 V• of main circuit with degree of pollution 3 rated value690 V• of auxiliary circuit with degree of pollution 3 rated value690 V• of auxiliary circuit rated value690 V• of auxiliary circuit rated value64 kV• of main circuit rated value64 kV• of auxiliary circuit rated value64 kV• of contactor scording to EN 60947-1100 V• at DC10g / 5 ms, 7,5g / 10 ms• at DC10g / 5 ms, 10g / 10 ms• at DC1000 000• at DC10 000 000• of contactor typical10 000 000• of the contactor with added electronically optimized 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 typical10 000 000• of contactor with added auxiliar	auxiliary switch	Yes			
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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         surge voltage resistance       690 V         of main circuit rated value       690 V         of main circuit rated value       680 V         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       10g / 5 ms, 7,5g / 10 ms         • at DC       10g / 5 ms, 7,5g / 10 ms         shock resistance with sine pulse       15g / 5 ms, 10g / 10 ms         • 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         • 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         •	<ul> <li>at AC in hot operating state per pole</li> </ul>	2.3 W			
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• of auxiliary circuit rated value       6 kV         maximum permissible voltage for protective separation between coll and main contacts according to EN 60947-1       400 V         shock resistance at rectangular impulse       a 00 / 5 ms, 7,5g / 10 ms         • at DC       10g / 5 ms, 7,5g / 10 ms         shock resistance with sine pulse       a DC         • at DC       15g / 5 ms, 10g / 10 ms         mechanical service life (operating cycles)       10 000 000         • of the 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)       10/01/2009         Ambient conditions       2 000 m	surge voltage resistance				
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coil and main contacts according to EN 60947-1         shock resistance at rectangular impulse         • at DC         shock resistance with sine pulse         • at DC         15g / 5 ms, 10g / 10 ms         mechanical service life (operating cycles)         • of contactor typical         • of the contactor with added electronically optimized auxiliary switch block typical         • of the contactor with added auxiliary switch block typical         • of the contactor with added auxiliary switch block typical         • of the contactor with added auxiliary switch block typical         • of the contactor with added auxiliary switch block typical         • of the contactor with added auxiliary switch block typical         • of the contactor with added auxiliary switch block typical         • of the contactor with added auxiliary switch block typical         • of the contactor with added auxiliary switch block typical         • of the contactor with added auxiliary switch block typical         • of the contactor with added auxiliary switch block typical         • of the contactor with added auxiliary switch block typical         • of the contactor with added auxiliary switch block typical         • of the contactor with added auxiliary switch block typical         • of the contactor with added auxiliary switch block typical         • of the contactor with added auxiliary switch block typical	<ul> <li>of auxiliary circuit rated value</li> </ul>	6 kV			
• at DC10g / 5 ms, 7,5g / 10 msshock resistance with sine pulse15g / 5 ms, 10g / 10 ms• at DC15g / 5 ms, 10g / 10 msmechanical service life (operating cycles)000 000• of contactor typical10 000 000• of the contactor with added electronically optimized auxiliary switch block typical5000 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 typical10 000 000• of the contactor with added auxiliary switch block typical2000 m		400 V			
shock resistance with sine pulse       15g / 5 ms, 10g / 10 ms         • at DC       15g / 5 ms, 10g / 10 ms         mechanical service life (operating 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)       10/01/2009         Ambient conditions       2 000 m	shock resistance at rectangular impulse				
• at DC       15g / 5 ms, 10g / 10 ms         mechanical service life (operating 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         • 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 block typical       10 000 000         • of the contactor with added auxiliary switch block typical       2 000 m         • of the contactor with added auxiliary switch block typical       2 000 m	• at DC	10g / 5 ms, 7,5g / 10 ms			
mechanical service life (operating cycles)       000000         • 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)       10/01/2009         Ambient conditions       2 000 m	shock resistance with sine pulse				
• 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)       10/01/2009         Ambient conditions       2 000 m	• at DC	15g / 5 ms, 10g / 10 ms			
of the contactor with added electronically optimized auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical reference code according to IEC 81346-2 Q Substance Prohibitance (Date) 10/01/2009 Ambient conditions installation altitude at height above sea level maximum 2 000 m	mechanical service life (operating cycles)				
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)     10/01/2009       Ambient conditions     2 000 m	<ul> <li>of contactor typical</li> </ul>	10 000 000			
reference code according to IEC 81346-2       Q         Substance Prohibitance (Date)       10/01/2009         Ambient conditions       2 000 m		5 000 000			
Substance Prohibitance (Date)       10/01/2009         Ambient conditions       2 000 m	<ul> <li>of the contactor with added auxiliary switch block typical</li> </ul>	10 000 000			
Ambient conditions         installation altitude at height above sea level maximum       2 000 m	reference code according to IEC 81346-2	Q			
installation altitude at height above sea level maximum 2 000 m	Substance Prohibitance (Date)	10/01/2009			
	Ambient conditions				
ambient temperature	installation altitude at height above sea level maximum	2 000 m			
	ambient temperature				
• during operation -25 +60 °C	during operation	-25 +60 °C			
• during storage -55 +80 °C	during storage	-55 +80 °C			
relative humidity minimum 10 %	relative humidity minimum	10 %			
relative humidity at 55 °C according to IEC 60068-2-30 95 % 95 %		95 %			
Main circuit	Main circuit				
number of poles for main current circuit 3	number of poles for main current circuit	3			

number of NO contacts for main contacts	3
	3
<ul> <li>operating voltage</li> <li>at AC-3 rated value maximum</li> </ul>	690 V
at AC-3 rated value maximum     at AC-3e rated value maximum	690 V
operational current	690 V
at AC-1 at 400 V at ambient temperature 40 °C rated	50 A
value	50 A
• at AC-1	
— up to 690 V at ambient temperature 40 °C rated	50 A
value	
— up to 690 V at ambient temperature 60 °C rated	42 A
value • at AC-3	
- at 400 V rated value	32 A
— at 500 V rated value	32 A 32 A
— at 690 V rated value	21 A
• at AC-3e	21 A
<ul> <li>at AC-se</li> <li>— at 400 V rated value</li> </ul>	32 A
	32 A 32 A
— at 500 V rated value — at 690 V rated value	32 A 21 A
at AC-4 at 400 V rated value	21 A 22 A
<ul> <li>at AC-4 at 400 V rated value</li> <li>at AC-5a up to 690 V rated value</li> </ul>	22 A 44 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>	44 A 26.5 A
at AC-5b up to 400 V rated value     at AC-6a	20.0 A
<ul> <li>at AC-ba</li> <li>up to 230 V for current peak value n=20 rated value</li> </ul>	30.8 A
	30.8 A
<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>	27 A
— up to 500 V for current peak value n=20 rated value	21 A 21 A
at AC-6a	21A
	20.5 A
<ul> <li>— up to 230 V for current peak value n=30 rated value</li> <li>— up to 400 V for current peak value n=30 rated value</li> </ul>	20.5 A
— up to 500 V for current peak value n=30 rated value	18 A
— up to 500 V for current peak value n=30 rated value	18 A
minimum cross-section in main circuit at maximum AC-1 rated	10 A
value	
operational current for approx. 200000 operating cycles at AC-4	
• at 400 V rated value	12 A
● at 690 V rated value	12 A
operational current	
<ul> <li>at 1 current path at DC-1</li> </ul>	
— at 24 V rated value	35 A
— at 60 V rated value	20 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
<ul> <li>with 2 current paths in series at DC-1</li> </ul>	
— at 24 V rated value	35 A
— at 60 V rated value	35 A
— at 110 V rated value	35 A
— at 220 V rated value	5 A
— at 440 V rated value	1 A
— at 600 V rated value	0.8 A
<ul> <li>with 3 current paths in series at DC-1</li> </ul>	
— at 24 V rated value	35 A
— at 60 V rated value	35 A
— at 110 V rated value	35 A
— at 220 V rated value	35 A
— at 440 V rated value	2.9 A
— at 600 V rated value	1.4 A
<ul> <li>at 1 current path at DC-3 at DC-5</li> </ul>	

	— at 24 V rated value	20 A				
- al 40 V raide Value 0.09 Å - at 600 V rated value 35 Å - at 22 V rated value 35 Å - at 24 V rated value 35 Å - at 410 V rated value 35 Å - at 440 V rated value 35 Å - at 420 V rated value 32 Å - at 420 V rated						
with 2 current paths in series at DC-3 at DC-5	— at 440 V rated value	0.09 A				
<ul> <li></li></ul>	— at 600 V rated value	0.06 A				
	<ul> <li>with 2 current paths in series at DC-3 at DC-5</li> </ul>					
	— at 24 V rated value	35 A				
	— at 60 V rated value	35 A				
	— at 110 V rated value	15 A				
	— at 220 V rated value	3 A				
with 3 current paths in series at DC-3 at DC-5	— at 440 V rated value	0.27 A				
- at 24 V rated value     35 Å       - at 05 V rated value     35 Å       - at 120 V rated value     10 Å       - at 220 V rated value     10 Å       - at 400 V rated value     0.6 Å       - at 230 V rated value     0.6 Å       - at 400 V rated value     0.6 Å       - at 200 V rated value     15 kW       - at 600 V rated value     15 kW       - at 600 V rated value     15 kW       - at 200 V rated value     18.5 kW       - at 200 V rated value     15 kW       - at 400 V rated value     15 kW       - at 200 V rated value     15 kW       - at 400 V rated value     15 kW       - at 400 V rated value     10 kW       - at 400 V rated value     10 kW       - at 400 V rated value     10 kW       - at 400 V rated value     12 kVA       - up to 20 V for current pack value n=20 rated value     21 kVA	— at 600 V rated value	0.16 A				
	<ul> <li>with 3 current paths in series at DC-3 at DC-5</li> </ul>					
	— at 24 V rated value	35 A				
	— at 60 V rated value	35 A				
	— at 110 V rated value	35 A				
	— at 220 V rated value	10 A				
operating power <ul> <li>at XC-3</li> <li>at 230 V rated value</li> <li>at 400 V rated value</li> <li>at 600 V rated value</li> <li>at 600 V rated value</li> <li>at 600 V rated value</li> <li>at AC-3e</li> <li>at 230 V rated value</li> <li>at 600 V rated value</li> <li>bt W</li> <li>at 600 V rated value</li> <li>bt SkW</li> <li>at 400 V rated value</li> <li>bt SkW</li> <li>at 600 V rated value</li> <li>bt SkW</li> <li>at 600 V rated value</li> <li>bt SkW</li> <li>bt 500 V rated value</li> <li>bt SkW</li> <li>bt 500 V rated value</li> <li>bt SkW</li> <li>bt 500 V rated value = 20 rated value</li> <li>bt 500 V for current peak value n=20 rated value</li> <li>21 kVA</li> <li>bt 0 230 V for current peak value n=20 rated value</li> <li>bt 0 230 V for current peak value n=30 rated value</li> <li>bt 0 500 V for current peak value n=30 rated value</li> <li>bt 0 500 V for current peak value n=30 rated value</li> <li>bt 0 500 V for current peak value n=30 rated value</li> <li>bt 0 500 V for current peak value n=30 rated value</li> <li>bt 0 500 V for current peak value n=30 rated value</li></ul>						
e at AC-3         - at 230 V rated value         7.5 KW         - at 600 V rated value         15 KW         - at 600 V rated value         15 KW         - at 600 V rated value         15 KW         - at 600 V rated value         18.5 KW         - at 230 V rated value         18.5 KW         - at 230 V rated value         15.5 KW         - at 200 V rated value         15.5 KW         - at 300 V rated value         15 KW         - at 300 V rated value         15.5 KW         - at 300 V rated value         15.5 KW         - at 500 V rated value         15.5 KW         - at 600 V rated value         15.5 KW         - at 600 V rated value         15.5 KW         - at 600 V rated value         10.3 KW         operating power for approx. 200000 operating cycles at AC-4         • at 600 V rated value         10.3 KW         operating apparent power at AC-6a         • up to 230 V for current peak value n=20 rated value         21.3 KVA         • up to 500 V for current peak value n=20 rated value         23.3 KVA         • up to 500 V for current peak value n=20 rated value         23.3 KVA         • up to 500 V for current peak value n=20 rated value         25 KVA         operating apparent power at AC-6a         • up to 500 V for current peak value n=30 rated value         25 KVA         operating apparent power at AC-6a         • up to 500 V for current peak value n=30 rated value         21.5 KVA         • up to 500 V for current peak value n=30 rated value         21.5 KVA         • up to 500 V for current peak value n=30 rated value         21.5 KVA         • up to 500 V for current peak value n=30 rated value         21.5 KVA         • up to 500 V for current peak value n=30 rated value         21.5 KVA         • up to 500 V for current peak value n=30 rated value         21.5 KVA         • up to 500 V for current peak value n=30 rated value         21.5 KVA         • up to 500 V for current peak value n=30 rated value         21.5 KVA         • up to 500 V for current peak value n=30 rated value         2						
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• up to 400 V for current peak value n=30 rated value14.2 kVA• up to 500 V for current peak value n=30 rated value15.5 kVA• up to 690 V for current peak value n=30 rated value21.5 kVAshort-time withstand current in cold operating state up to 40 °C40 °C• limited to 1 s switching at zero current maximum499 A; Use minimum cross-section acc. to AC-1 rated value• limited to 5 s switching at zero current maximum341 A; Use minimum cross-section acc. to AC-1 rated value• limited to 10 s switching at zero current maximum260 A; Use minimum cross-section acc. to AC-1 rated value• limited to 30 s switching at zero current maximum199 A; Use minimum cross-section acc. to AC-1 rated value• limited to 60 s switching at zero current maximum102 A; Use minimum cross-section acc. to AC-1 rated value• limited to 60 s switching at zero current maximum102 A; Use minimum cross-section acc. to AC-1 rated value• limited to 60 s switching at zero current maximum102 A; Use minimum cross-section acc. to AC-1 rated value• limited to 60 s switching at zero current maximum102 A; Use minimum cross-section acc. to AC-1 rated value• limited to 60 s switching at zero current maximum102 A; Use minimum cross-section acc. to AC-1 rated value• at DC1 500 1/h• at AC-1 maximum1 000 1/h• at AC-2 maximum1 000 1/h						
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• up to 690 V for current peak value n=30 rated value21.5 kVAshort-time withstand current in cold operating state up to 40 °C499 A; Use minimum cross-section acc. to AC-1 rated value• limited to 1 s switching at zero current maximum499 A; Use minimum cross-section acc. to AC-1 rated value• limited to 5 s switching at zero current maximum260 A; Use minimum cross-section acc. to AC-1 rated value• limited to 30 s switching at zero current maximum260 A; Use minimum cross-section acc. to AC-1 rated value• limited to 60 s switching at zero current maximum199 A; Use minimum cross-section acc. to AC-1 rated value• limited to 60 s switching at zero current maximum162 A; Use minimum cross-section acc. to AC-1 rated value• limited to 60 s switching frequency • at DC1 500 1/h• at AC-1 maximum1 000 1/h• at AC-2 maximum750 1/h						
short-time withstand current in cold operating state up to 40 °C499 A; Use minimum cross-section acc. to AC-1 rated value• limited to 1 s switching at zero current maximum499 A; Use minimum cross-section acc. to AC-1 rated value• limited to 5 s switching at zero current maximum341 A; Use minimum cross-section acc. to AC-1 rated value• limited to 10 s switching at zero current maximum260 A; Use minimum cross-section acc. to AC-1 rated value• limited to 30 s switching at zero current maximum199 A; Use minimum cross-section acc. to AC-1 rated value• limited to 60 s switching at zero current maximum199 A; Use minimum cross-section acc. to AC-1 rated value• limited to 60 s switching at zero current maximum162 A; Use minimum cross-section acc. to AC-1 rated value• limited to 60 s switching frequency • at DC1 500 1/h• at AC-1 maximum1 000 1/h• at AC-2 maximum1 000 1/h						
40 °C• limited to 1 s switching at zero current maximum499 A; Use minimum cross-section acc. to AC-1 rated value• limited to 5 s switching at zero current maximum341 A; Use minimum cross-section acc. to AC-1 rated value• limited to 10 s switching at zero current maximum260 A; Use minimum cross-section acc. to AC-1 rated value• limited to 30 s switching at zero current maximum199 A; Use minimum cross-section acc. to AC-1 rated value• limited to 60 s switching at zero current maximum162 A; Use minimum cross-section acc. to AC-1 rated value• limited to 60 s switching at zero current maximum162 A; Use minimum cross-section acc. to AC-1 rated value• at DC1 500 1/h• at AC-1 maximum1 000 1/h• at AC-2 maximum750 1/h		21.5 kVA				
• limited to 1 s switching at zero current maximum499 A; Use minimum cross-section acc. to AC-1 rated value• limited to 5 s switching at zero current maximum341 A; Use minimum cross-section acc. to AC-1 rated value• limited to 10 s switching at zero current maximum260 A; Use minimum cross-section acc. to AC-1 rated value• limited to 30 s switching at zero current maximum199 A; Use minimum cross-section acc. to AC-1 rated value• limited to 60 s switching at zero current maximum199 A; Use minimum cross-section acc. to AC-1 rated value• limited to 60 s switching at zero current maximum162 A; Use minimum cross-section acc. to AC-1 rated value• limited to 60 s switching frequency1 500 1/h• at DC1 500 1/h• at AC-1 maximum1 000 1/h• at AC-2 maximum750 1/h						
<ul> <li>limited to 5 s switching at zero current maximum</li> <li>limited to 10 s switching at zero current maximum</li> <li>limited to 30 s switching at zero current maximum</li> <li>limited to 60 s switching at zero current maximum</li> <li>limited to 60 s switching at zero current maximum</li> <li>limited to 60 s switching at zero current maximum</li> <li>162 A; Use minimum cross-section acc. to AC-1 rated value</li> <li>162 A; Use minimum cross-section acc. to AC-1 rated value</li> <li>162 A; Use minimum cross-section acc. to AC-1 rated value</li> <li>162 A; Use minimum cross-section acc. to AC-1 rated value</li> <li>162 A; Use minimum cross-section acc. to AC-1 rated value</li> <li>162 A; Use minimum cross-section acc. to AC-1 rated value</li> <li>162 A; Use minimum cross-section acc. to AC-1 rated value</li> <li>162 A; Use minimum cross-section acc. to AC-1 rated value</li> <li>162 A; Use minimum cross-section acc. to AC-1 rated value</li> <li>162 A; Use minimum cross-section acc. to AC-1 rated value</li> <li>162 A; Use minimum cross-section acc. to AC-1 rated value</li> <li>162 A; Use minimum cross-section acc. to AC-1 rated value</li> <li>1500 1/h</li> <li>at AC-1 maximum</li> <li>1000 1/h</li> <li>at AC-2 maximum</li> <li>750 1/h</li> </ul>		400 At Lee minimum cross section and to AC 4 roted value				
• limited to 10 s switching at zero current maximum260 A; Use minimum cross-section acc. to AC-1 rated value• limited to 30 s switching at zero current maximum199 A; Use minimum cross-section acc. to AC-1 rated value• limited to 60 s switching at zero current maximum162 A; Use minimum cross-section acc. to AC-1 rated value• no-load switching frequency162 A; Use minimum cross-section acc. to AC-1 rated value• at DC1 500 1/h• at AC-1 maximum1 000 1/h• at AC-2 maximum750 1/h	-					
• limited to 30 s switching at zero current maximum199 A; Use minimum cross-section acc. to AC-1 rated value• limited to 60 s switching at zero current maximum162 A; Use minimum cross-section acc. to AC-1 rated valueno-load switching frequency • at DC1 500 1/h• at AC-1 maximum1 000 1/h• at AC-2 maximum750 1/h	-					
• limited to 60 s switching at zero current maximum       162 A; Use minimum cross-section acc. to AC-1 rated value         no-load switching frequency       -         • at DC       1 500 1/h         operating frequency       -         • at AC-1 maximum       1 000 1/h         • at AC-2 maximum       750 1/h	-					
no-load switching frequency1 500 1/h• at DC1 500 1/hoperating frequency1 000 1/h• at AC-1 maximum1 000 1/h• at AC-2 maximum750 1/h	-					
• at DC1 500 1/hoperating frequency1 000 1/h• at AC-1 maximum1 000 1/h• at AC-2 maximum750 1/h		102 A, Use minimum cross-section acc. to AU-1 rated value				
operating frequency• at AC-1 maximum• at AC-2 maximum750 1/h		4 500 4 1				
• at AC-1 maximum         1 000 1/h           • at AC-2 maximum         750 1/h		1 500 1/h				
• at AC-2 maximum 750 1/h						
• at AC-3 maximum /50 1/h	● at AC-3 maximum	750 1/h				
• at AC-3e maximum 750 1/h	● at AC-3e maximum	750 1/h				
• at AC-4 maximum 250 1/h		250 1/h				
Control circuit/ Control	Control circuit/ Control					

type of voltage of the control supply voltage	DC				
control supply voltage at DC					
rated value	24 V				
operating range factor control supply voltage rated value of magnet coil at DC					
initial value	0.8				
full-scale value	1.1				
closing power of magnet coil at DC	5.9 W				
holding power of magnet coil at DC	5.9 W				
closing delay					
• at DC	50 170 ms				
opening delay					
• at DC	15 18 ms				
arcing time	10 10 ms				
control version of the switch operating mechanism	Standard A1 - A2, optionally via function module				
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	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				
• 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	27 A				
• at 600 V rated value	27 A				
yielded mechanical performance [hp]					
for single-phase AC motor					
— at 110/120 V rated value	2 hp				
— at 230 V rated value	5 hp				
• for 3-phase AC motor					
— at 200/208 V rated value	10 hp				
— at 220/230 V rated value	10 hp				
— at 460/480 V rated value	20 hp				
— at 575/600 V rated value	25 hp				
contact rating of auxiliary contacts according to UL	A600 / P600				
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: 125A (690V,100kA), aM: 50A (690V,100kA), BS88: 125A (415V,80kA)				

#### - with type of assignment 2 required

• for short-circuit protection of the auxiliary switch required

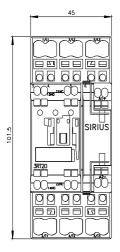
gG: 50A (690V,100kA), aM: 25A (690V, 100kA), BS88: 50A (415V, 80kA) gG: 10 A (500 V, 1 kA)

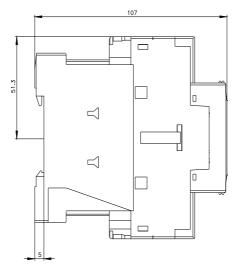
moniting position         ++450* ration possible on vertical moniting surface, case be liked forward and backward by +225 for vertical moniting surface, case be liked forward and backward by +225 for vertical moniting surface, case be liked forward and backward by +225 for vertical moniting surface, case be liked forward and backward by +225 for vertical moniting surface, case be liked forward and backward by +225 for vertical moniting surface, case be liked forward and backward by +225 for vertical moniting surface, case be liked forward and backward by +225 for vertical moniting surface, case be liked forward and backward by +225 for vertical moniting surface, case be liked forward and backward by +225 for vertical moniting surface, case be liked forward and backward by +225 for vertical moniting surface, case be liked forward and backward by +225 for vertical moniting surface, case be liked forward and backward by +225 for vertical moniting surface, case be liked forward and backward by +225 for vertical moniting surface, case be liked forward and backward by +225 for vertical moniting surface, case be liked forward and backward by +225 for vertical moniting surface, case be liked forward and backward by +225 for vertical moniting surface, case be liked forward and backward by +225 for vertical moniting surface, case be liked forward and backward by +225 for vertical moniting surface, case be liked forward by +225 for vertical moniting surface, case be liked forward by +225 for vertical moniting surface, case be liked forward by +225 for vertical moniting surface, case be liked forward by +225 for vertical moniting surface, case be liked forward by +225 for vertical moniting surface, case be liked forward by +225 for vertical moniting surface, case be liked forward by +225 for vertical moniting surface, case by +225 for vertical moniting surface, case by +225 for vertical moniting surface, case by +225 for vertical moniting +215 for vertical moniting surface, case by +25 forwa	Installation/ mounting/ dimensions				
tester wind snap-on mounting onto 35 mm DIN rel according to DIN EN 60715           width         44 mm           height         102 mm           width         44 mm           deptn         107 mm           required spacing         107 mm           - forwards         107 mm           - downwards         107 mm	mounting position				
electronic constructionYesNeight45 mmdepth107 mmrequired spesing107 mmforwards100 mmforwards100 mmdownards100 mmdownards200 mmd		backward by +/- 22.5° on vertical mounting surface			
bight         102 mm           width         45 mm           opth         107 mm           required spacing         -           - forwards         10 mm           - upwards         10 mm           - upwards         10 mm           - downwards         10 mm           - downwards         10 mm           - downwards         10 mm           - downwards         10 mm           - upwards         10 mm           - upwards         10 mm           - upwards         10 mm           - upwards         10 mm           - downwards         10 mm           - downards         20 mm           odid cownalds         50 min	-				
with         45 mm           depth         107 mm           required spacing         -           - forwards         100 mm           - forwards         100 mm           - deproveds         100 mm           - at the side         6 mm           - deproveds         100 mm           - downards         200 m					
interface         107 mm           required parks         10 mm           - downwalds         50 mm           - odownwalds         50					
required spacing	width				
• with side-by side mountingI 0 mm- forwards10 mm- downwards10 mm- downwards00 mm- downwards10 mm- downwards10 mm- forwards10 mm- upwards10 mm- upwards0 mm- upwards0 mm- downwards0 mm- downwards10 mm- downwards50 mm- downwards0 mm- downwards10 mm- downwards10 mm- downwards50 mm- downwards10 mm- downwards50 mm- downwards10 mm- downwards50 mm- downwards10 mm- downwards10 mm- downwards20 (1 - 10 mm)- eind down core end processing1.6 mm <sup>-1</sup> - eind down core end processing1.6 mm <sup>-1</sup>	depth	107 mm			
- lowards10 mm- downeds10 mm- downeds10 mm- at the side0 mm- of grounds parts10 mm- forwards10 mm- forwards10 mm- upwards10 mm- downeds6 mm- downeds10 mm- upwards10 mm- downeds6 mm- downeds10 mm- downeds10 mm- downeds10 mm- downeds10 mm- downeds10 mm- downeds10 mm- upwards10 mm- upwards20 mm- downeductorsping-loaded terminals- upwards20 mm- downeductor raudiary and control droutsping-loaded terminals- of rand control droutsping-loaded terminals- of audiary and control for mali controlspi	required spacing				
	<ul> <li>with side-by-side mounting</li> </ul>				
- ownwards10 mm- at the side0 mm- otwards10 mm- otwards10 mm- otwards0 mm- otwards6 mm- otwards10 mm- otwards0 mm- otwards10 mm- otwards5 mm- otwards2 (1 10 mm?)- otwards1 10 mm?- otwards1 10 mm?- otwards1 10 mm?- otwards1 10 mm?- otwards0 1.5 mm?- otwards0 1.5 mm?- otwards0 1.5 mm?- otwards2 (0 1.5 mm?)- otwards2 (0 1.5 mm?) <trr<< td=""><td>— forwards</td><td>10 mm</td></trr<<>	— forwards	10 mm			
at the side0 mm for grounded parts10 mm upwards10 mm upwards0 mm downwards10 mm at the side6 mm downwards10 mm downwards10 mm upwards10 mm upwards10 mm upwards10 mm upwards0 mm upwards10 mm upwards0 mm downwards6 mmConnections/ Terminalsspring-loaded terminals of or main current circuitspring-loaded terminals for ran an current circuitspring-loaded terminals of or auxiliary and control circuitspring-loaded terminals of or auxiliary and control circuitspring-loaded terminals of connectable conductor cross-sections for main contractZ(1 10 mm <sup>2</sup> ) solid or standed2x (1 10 mm <sup>2</sup> ) finely standed without core and processing2x (1 6 mm <sup>2</sup> ) solid or standed1 10 mm <sup>2</sup> finely standed without core and processing1 6 mm <sup>2</sup> solid or stranded5 2.5 mm <sup>2</sup> solid or stranded5 2.5 mm <sup>2</sup> for auxiliary contacts2x (0.5 2.5 mm <sup>2</sup> ) solid or stranded2x (0.5 2.5 mm <sup>2</sup> ) for auxiliary contacts2x (0.5 2.5 mm <sup>2</sup> ) for	— upwards	10 mm			
• for grounded parts·	— downwards	10 mm			
- forwards     10 mm       - upwards     10 mm       - upwards     10 mm       - downwards     10 mm       - forwards     10 mm       - upwards     10 mm       - downwards     0 mm       - downwards     5 mm       Connections/ Terminals     5 mm       Spring-loaded terminals     5 mm       for main current circuit     spring-loaded terminals       of or auxiliary and control circuit     spring-loaded terminals       i of or auxiliary contacts     Spring-lype terminals       of or auxiliary contacts     Spring-lype terminals       i of or auxiliary contacts     Spring-lype terminals       i of or auxiliary contacts     Spring-lype terminals       i of mage table     Contaction       i solid     2x (1 10 mm <sup>2</sup> )       i forly stranded without core end processing     2x (1 10 mm <sup>2</sup> )       i forly stranded without core end processing     1 10 mm <sup>2</sup> i forly stranded without core end processing     0 S 15 mm <sup>2</sup> i forly stranded without core end processing     2 S. 0 m <sup>2</sup> i forly stranded without core end processing     2 S. 0 m <sup>2</sup> i forly s		0 mm			
	<ul> <li>for grounded parts</li> </ul>				
- a the side     6 mm       - downwards     0 mm       - forwards     10 mm       - forwards     10 mm       - upwards     10 mm       - upwards     10 mm       - downwards     6 mm       - downwards     6 mm       - downwards     6 mm       - downwards     9 mm       - downwards     2 (1 10 mm <sup>2</sup> )       - solid or stranded     1 10 mm <sup>2</sup> - finely stranded without	— forwards				
downwards10 mm forwards10 mm upwards10 mm upwards10 mm downwards10 mm downwards0 mm downwards0 mm downwards0 mm downwards0 mm downwards9 mm downwards2 (1 mm) downwards1 mm downwards0 fm downwards0 fm downwards <td< td=""><td>— upwards</td><td>10 mm</td></td<>	— upwards	10 mm			
<ul> <li>for live parts         <ul> <li>forwards</li> <li>forwards</li> <li>forwards</li> <li>for man</li> <li>downwards</li> <li>for mail</li> </ul> </li> <li>at the side</li> <li>for mail current idraut</li> <li>spring-loaded terminals</li> <ul> <li>spring-loaded terminals</li> <li>spring-loaded terminals</li> <li>spring-loaded terminals</li> <li>spring-loaded terminals</li> <li>spring-loaded terminals</li> <li>at contactor for auxiliary contacts</li> <li>spring-loaded terminals</li> <li>to mar*</li> <li>fore yistranded without core end processing</li> <li>to (1, 10 mm*)</li> <li>solid</li> <li>stranded</li> <li>fore yistranded with core end processing</li> <li>to mm*</li> </ul> <li>connectable conductor cross-section for auxiliary contacts</li> <li>solid or stranded</li> <li>fore yistranded with core end processing</li> <li>fore yistranded with core end processing</li> <li>fore avxiliary contacts</li> <li>fore avxiliary contacts</li> <li>fore avxiliary contacts</li> <li>fore yistranded with core end processing</li> <li>fore yistranded with core end processing</li> <li>for avxiliary contacts</li> <li>solid</li></ul>	— at the side	6 mm			
forwards10 mmupwards10 mmdownwards10 mmdownwards0 mmatthe side6 mmConnections/ Terminalsterminals control circuitspip of electrical connectionspring-loaded terminals- for auxilary and control circuitspring-loaded terminals- of magnet collSpring-lype terminals- of magnet collSpring-lype terminals- solid2x (1 10 mm²)- solid2x (1 10 mm²)- solid2x (1 10 mm²)- solid2x (1 10 mm²)- solid2x (1 6 mm²)- solid1 10 mm²- solid1 10 mm²- solid- s mm²- solid- s mm²- solid- s mm²- solid0 2.5 mm²- finely stranded with core end processing0 2.5 mm²- finely stranded with core end processing2x (0.5 2.5 mm²)- solid or stranded2x (0.5 2.5 mm²)- solid or stranded2x (0.5 2.5 mm²)- for auxilary contacts2x (0.5 15 mm²)- for auxilary contacts2x (0.5 15 mm²)- for au	— downwards	10 mm			
upwards10 mm downwards0 mm dt he side6 mmConnections/ Terminalstype of electrical connection- for main current circuitspring-loaded terminals- for axiliary and control circuitspring-loaded terminals- of magnet coliSpring-type terminals- of magnet coliSpring-type terminals- of magnet coliSpring-type terminals- solid or stranded2x (1 10 mm²)- solid or stranded without core end processing2x (1 6 mm²)- solid1 10 mm²- solid1 10 mm²- solid or stranded with core end processing2x (1 6 mm²)- solid or stranded with core end processing1 10 mm²- solid or stranded with core end processing1 10 mm²- solid or stranded with core end processing1 6 mm²- solid or stranded with core end processing1 6 mm²- solid or stranded with core end processing1 6 mm²- solid or stranded with core end processing0.5 2.5 mm²- solid or stranded with core end processing0.5 2.5 mm²- solid or stranded with core end processing2x (0.5 2.5 mm²)- finely stranded without core end processing2x (0.5 2.5 mm²)- for axullary contacts2x (0.5 2.5 mm²)- for axullary contacts2x (0.5 2.5 mm²)- for axullary contacts2x (0.5 1.5 mm²)- for axullary contacts2x (0.5 1.5 mm²)- for axullary contacts2x (0.5 1.4 <t< td=""><td><ul> <li>for live parts</li> </ul></td><td></td></t<>	<ul> <li>for live parts</li> </ul>				
- downwards     10 mm       - at the side     6 mm       Connections/Terminals     5 mm       Connections/Terminals     5 mm       • for main current circuit     spring-loaded terminals       • for auxiliary and control circuit     spring-loaded terminals       • of magnet coll     Spring-lype terminals       • of magnet coll     Spring-lype terminals       • solid     2x (1 10 mm²)       • solid or stranded     2x (1 10 mm²)       • finely stranded with core end processing     2x (1 6 mm²)       • finely stranded with core end processing     1 10 mm²       • solid or stranded     1 10 mm²       • solid or stranded with core end processing     1 6 mm²       • finely stranded with core end processing     1 6 mm²       • finely stranded with core end processing     0.5 2.5 mm²       • finely stranded with core end processing     0.5 2.5 mm²       • finely stranded with core end processing     0.5 2.5 mm²       • finely stranded with core end processing     0.5 2.5 mm²       • finely stranded with core end processing     0.5 2.5 mm²       • for auxiliary contacts     6 mm²       • for auxiliary contacts     2x (0.5 2.5 mm²)       • for auxiliary contacts     2x (0.5 2.5 mm²)       • for auxiliary contacts     2x (0.5 2.5 mm²) <td>— forwards</td> <td>10 mm</td>	— forwards	10 mm			
	— upwards	10 mm			
Connections/ type of electrical connection         spring-loaded terminals           • for main current circuit         spring-loaded terminals           • of maxiliary and control circuit         spring-loaded terminals           • of magnet coil         Spring-type terminals           • yoe of concetable conductor cross-sections for main contacts         Spring-type terminals           • solid         2x (1 10 mm²)           • solid or stranded         2x (1 6 mm²)           • solid         1 10 mm²           • finely stranded with core end processing         2x (1 6 mm²)           • solid         1 10 mm²           • solid         1 10 mm²           • stranded         1 10 mm²           • stranded         1 10 mm²           • stranded         1 10 mm²           • solid         1 10 mm²           • stranded         1 6 mm²           • solid or stranded         0.5 2.5 mm²           • solid or stranded         0.5 2.5 mm²           • finely stranded with core end processing         0.5 2.5 mm²           • for auxiliary contacts         2x (0.5 2.5 mm²)           • for auxiliary contacts         2x (0.5 2.5 mm²)           • for auxiliary contacts         2x (0.5 2.5 mm²) <t< td=""><td>— downwards</td><td>10 mm</td></t<>	— downwards	10 mm			
type of electrical connection         spring-loaded terminals           • for main current circuit         spring-loaded terminals           • for auxiliary contacts         spring-loaded terminals           • of magnet coll         Spring-type terminals           • of magnet coll         Spring-type terminals           • solid or stranded         2x (1 10 mm²)           • solid or stranded with core end processing         2x (1 6 mm²)           • finely stranded with core end processing         2x (1 6 mm²)           • solid         1 10 mm²           • stranded         1 10 mm²           • solid or stranded         1 10 mm²           • solid or stranded         0.5 2.5 mm²           • solid or stranded         0.5 2.5 mm²           • finely stranded with core end processing         0.5 1.5 mm²           • finely stranded with core end processing         2x (0.5 2.5 mm²)           • finely stranded with core end processing         2x (0.5 2.5 mm²)           • for auxiliary contacts         2x (20 14)           • for auxiliary contacts         2x (20 14)           • for auxiliary contacts	— at the side	6 mm			
• for main current circuit     spring-loaded terminals       • for auxiliary and control circuit     spring-loaded terminals       • at contactor for auxiliary contacts     Spring-type terminals       • of magnet coil     Spring-type terminals       • solid     2x (1 10 mm²)       • solid or stranded     2x (1 10 mm²)       • finely stranded with core end processing     2x (1 6 mm²)       • finely stranded with core end processing     2x (1 6 mm²)       • solid     1 10 mm²       • solid with core end processing     2x (1 6 mm²)       • solid     1 10 mm²       • solid with core end processing     1 10 mm²       • solid or stranded     1 10 mm²       • solid or stranded     1 10 mm²       • finely stranded with core end processing     1 6 mm²       • finely stranded with core end processing     0.5 2.5 mm²       • solid or stranded     0.5 2.5 mm²       • finely stranded with core end processing     0.5 2.5 mm²       • for auxiliary contacts     2x (0.5 2.5 mm²)       • for auxiliary contacts     20 14)<	Connections/ Terminals				
• for auxiliary and control circuit     spring-loaded terminals       • at contactor for auxiliary contacts     Spring-type terminals       • of magnet coil     Spring-type terminals       ype of connectable conductor cross-sections for main contacts     Sx (1 10 mm <sup>3</sup> )       • solid or stranded     2x (1 10 mm <sup>3</sup> )       • finely stranded with core end processing     2x (1 6 mm <sup>3</sup> )       • finely stranded with core end processing     2x (1 6 mm <sup>3</sup> )       • solid     1 10 mm <sup>2</sup> • finely stranded with core end processing     1 6 mm <sup>3</sup> • finely stranded with core end processing     1 6 mm <sup>2</sup> • solid or stranded     0 .5 2.5 mm <sup>2</sup> • of connectable conductor cross-section for auxiliary contacts     5 2.5 mm <sup>2</sup> • of auxiliary contacts     2x (0.5 2.5 mm <sup>3</sup> )       • finely stranded with core end processing     2x (0.5 2.5 mm <sup>3</sup> )       • for auxiliary contacts     2x (0.5 2.5 mm <sup>3</sup> )       • for auxiliary contacts     2x (0.5 2.5 mm <sup>3</sup> )       • for auxiliary contacts     2x (0.5 2.5 mm <sup>3</sup> )       • for auxiliary contacts     2x (0.5 2.5 mm <sup>3</sup> )       • for	type of electrical connection				
• at contactor for auxiliary contacts       Spring-type terminals         • of magnet coll       Spring-type terminals         type of connectable conductor cross-sections for main contacts       ×x (1 10 mm²)         • solid       2x (1 10 mm²)         • solid or stranded       2x (1 6 mm²)         • infely stranded with core end processing       2x (1 6 mm²)         • infely stranded without core end processing       1 10 mm²         • solid       1 10 mm²         • stranded       1 10 mm²         • stranded       1 10 mm²         • infely stranded with core end processing       1 6 mm²         • stranded       1 10 mm²         • infely stranded with core end processing       1 6 mm²         • infely stranded with core end processing       1 6 mm²         • finely stranded with core end processing       0.5 2.5 mm²         • infely stranded with core end processing       0.5 2.5 mm²         • finely stranded with core end processing       2x (0.5 2.5 mm²)         • for auxiliary contacts       - solid or stranded         • a solid or stranded       2x (0.5 2.5 mm²)         • for auxiliary contacts       2x (0.5 2.5 mm²)         • for auxiliary contacts       2x (0.5 2.5 mm²)         • fo	for main current circuit	spring-loaded terminals			
• of magnet coll         Spring-type terminals           type of connectable conductor cross-sections for main contacts         2x (1 10 mm²)           • solid or stranded         2x (1 10 mm²)           • inely stranded with core end processing         2x (1 6 mm²)           • inely stranded without core end processing         2x (1 6 mm²)           • olid         1 10 mm²           • olid         1 10 mm²           • olid         1 10 mm²           • stranded         1 10 mm²           • inely stranded with core end processing         1 6 mm²           • olid or stranded         1 0 mm²           • inely stranded with core end processing         1 6 mm²           • olid or stranded         0.5 2.5 mm²           • solid or stranded         0.5 2.5 mm²           • of auxiliary contacts         - solid or stranded           • for auxiliary contacts         - solid or stranded           • for auxiliary contacts         2x (0.5 2.5 mm²)           • for auxiliary co	<ul> <li>for auxiliary and control circuit</li> </ul>	spring-loaded terminals			
type of connectable conductor cross-sections for main contacts       2x (1 10 mm <sup>3</sup> )         • solid       2x (1 10 mm <sup>3</sup> )         • inley stranded with core end processing       2x (1 6 mm <sup>3</sup> )         • inley stranded without core end processing       2x (1 6 mm <sup>3</sup> )         connectable conductor cross-section for main contacts       • solid         • solid       1 10 mm <sup>2</sup> • inley stranded with core end processing       1 10 mm <sup>2</sup> • inley stranded with core end processing       1 6 mm <sup>2</sup> • finely stranded with core end processing       1 6 mm <sup>2</sup> • solid or stranded       0.5 2.5 mm <sup>2</sup> • finely stranded with core end processing       0.5 2.5 mm <sup>2</sup> • finely stranded with core end processing       0.5 2.5 mm <sup>2</sup> • finely stranded with core end processing       0.5 2.5 mm <sup>2</sup> • finely stranded with core end processing       2x (0.5 2.5 mm <sup>2</sup> )         • for auxiliary contacts       2x (0.5 2.5 mm <sup>2</sup> )         • finely stranded with core end processing       2x (0.5 2.5 mm <sup>2</sup> )         • finely stranded with core end processing       2x (0.5 2.5 mm <sup>2</sup> )         • finely stranded with core end processing       2x (0.5 2.5 mm <sup>2</sup> )         • for auxiliary contacts       2x (20 14)         AWG number as coded	<ul> <li>at contactor for auxiliary contacts</li> </ul>	Spring-type terminals			
<ul> <li>solid</li> <li>solid or stranded</li> <li>solid or stranded</li> <li>solid or stranded</li> <li>inely stranded with core end processing</li> <li>2x (1 6 mm<sup>2</sup>)</li> <li>inely stranded without core end processing</li> <li>2x (1 6 mm<sup>2</sup>)</li> <li>connectable conductor cross-section for main contacts</li> <li>solid</li> <li>stranded</li> <li>1 10 mm<sup>2</sup></li> <li>inely stranded with core end processing</li> <li>1 10 mm<sup>2</sup></li> <li>inely stranded with core end processing</li> <li>5 mm<sup>2</sup></li> <li>connectable conductor cross-section for auxiliary contacts</li> <li>solid or stranded</li> <li>0.5 2.5 mm<sup>2</sup></li> <li>oslid or stranded</li> <li>inely stranded without core end processing</li> <li>0.5 2.5 mm<sup>2</sup></li> <li>of auxiliary contacts</li> <li>- solid or stranded</li> <li>2x (0.5 2.5 mm<sup>2</sup>)</li> <li>of auxiliary contacts</li> <li>- solid or stranded</li> <li>2x (0.5 2.5 mm<sup>2</sup>)</li> <li>of auxiliary contacts</li> <li>- solid or stranded</li> <li>2x (0.5 2.5 mm<sup>2</sup>)</li> <li>of auxiliary contacts</li> <li>- solid or stranded</li> <li>2x (0.5 2.5 mm<sup>2</sup>)</li> <li>of rauxiliary contacts</li> <li>2x (0.5 2.5 mm<sup>2</sup>)</li> <li>of rauxiliary contacts</li> <li>2x (0.5 2.5 mm<sup>2</sup>)</li> <li>of rauxiliary contacts</li> <li>auxiliary contacts</li> <li>bid auxiliary contacts</li> <li>conscienciable conductor cross section</li> <li>of rauxiliary contacts</li> <li>auxiliary contacts</li> <li>auxili</li></ul>	of magnet coil	Spring-type terminals			
• solid or stranded2x (1 10 mm²)• finely stranded with core end processing2x (1 6 mm²)• finely stranded without core end processing2x (1 6 mm²)connectable conductor cross-section for main contacts1 10 mm²• solid1 10 mm²• stranded1 10 mm²• finely stranded with core end processing1 6 mm²• finely stranded with core end processing1 6 mm²• finely stranded with core end processing0.5 2.5 mm²• solid or stranded0.5 2.5 mm²• solid or stranded0.5 2.5 mm²• solid or stranded0.5 2.5 mm²• finely stranded with core end processing0.5 2.5 mm²• finely stranded with core end processing2x (0.5 2.5 mm²)• for auxiliary contacts2x (0.5 2.5 mm²)• for auxiliary contacts2x (0.5 2.5 mm²)• for auxiliary contacts2x (0.5 1.5 mm²)• for duving contacts2x (0.5 2.5 mm²)• for Auxiliary contacts20 14<	type of connectable conductor cross-sections for main contacts				
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• finely stranded without core end processing2x (1 6 mm²)connectable conductor cross-section for main contacts1 10 mm²• solid1 10 mm²• stranded1 0 mm²• finely stranded with core end processing1 6 mm²• finely stranded without core end processing1 6 mm²• connectable conductor cross-section for auxiliary contacts6 mm²• solid or stranded0.5 2.5 mm²• solid or stranded with core end processing0.5 1.5 mm²• finely stranded with core end processing0.5 2.5 mm²• finely stranded with core end processing0.5 2.5 mm²• finely stranded with core end processing2x (0.5 2.5 mm²• of connectable conductor cross-sections9 for auxiliary contacts• of auxiliary contacts2x (0.5 2.5 mm²)- ninely stranded with core end processing2x (0.5 2.5 mm²)- finely stranded with core end processing2x (0.5 2.5 mm²)- finely stranded with core end processing2x (0.5 2.5 mm²)- finely stranded with core end processing2x (0.5 2.5 mm²)- finely stranded with core end processing2x (0.5 2.5 mm²)- finely stranded with core end processing2x (0.5 2.5 mm²)- finely stranded with core end processing2x (0.5 2.5 mm²)- finely stranded with core end processing2x (0.5 2.5 mm²)- finely stranded with core end processing2x (0.5 2.5 mm²)- finely stranded with core end processing2x (0.5 2.5 mm²)- finely stranded with core end processing <td><ul> <li>solid or stranded</li> </ul></td> <td>2x (1 10 mm²)</td>	<ul> <li>solid or stranded</li> </ul>	2x (1 10 mm²)			
connectable conductor cross-section for main contacts       1 10 mm²         • solid       1 10 mm²         • stranded       1 10 mm²         • finely stranded with core end processing       1 6 mm²         • finely stranded without core end processing       1 6 mm²         connectable conductor cross-section for auxiliary contacts       0.5 2.5 mm²         • solid or stranded       0.5 2.5 mm²         • finely stranded with core end processing       0.5 2.5 mm²         • finely stranded with core end processing       0.5 2.5 mm²         • finely stranded with core end processing       0.5 2.5 mm²         • finely stranded with core end processing       0.5 2.5 mm²         • for auxiliary contacts       -         - solid or stranded       2x (0.5 2.5 mm²)         - finely stranded without core end processing       2x (0.5 2.5 mm²)         - finely stranded with core end processing       2x (0.5 2.5 mm²)         - finely stranded without core end processing       2x (0.5 2.5 mm²)         - finely stranded without core end processing       2x (0.5 2.5 mm²)         - finely stranded without core end processing       2x (0.5 2.5 mm²)         - finely stranded without core end processing       2x (0.5 2.5 mm²)         - for AWG cables for auxiliary contacts	<ul> <li>finely stranded with core end processing</li> </ul>	2x (1 6 mm²)			
• solid1 10 mm²• stranded1 10 mm²• finely stranded with core end processing1 6 mm²• finely stranded without core end processing1 6 mm²• connectable conductor cross-section for auxiliary contacts-• solid or stranded0.5 2.5 mm²• finely stranded without core end processing0.5 2.5 mm²• finely stranded without core end processing0.5 2.5 mm²• finely stranded without core end processing0.5 2.5 mm²• for auxiliary contacts solid or stranded2x (0.5 2.5 mm²)- finely stranded without core end processing2x (0.5 2.5 mm²)- finely stranded without core end processing2x (0.5 2.5 mm²)- finely stranded without core end processing2x (0.5 2.5 mm²)- finely stranded without core end processing2x (0.5 2.5 mm²)- finely stranded without core end processing2x (0.5 2.5 mm²)- finely stranded without core end processing2x (0.5 2.5 mm²)- for AWG cables for auxiliary contacts2x (0.5 2.5 mm²)- for auxiliary contacts2x (0.5 2.5 mm²)- for main contacts18 8- for auxiliary contacts20 14Safety related data mirror contact saccording to IEC 60947-4-1Yessuttability for use safety-related switching OFFYes	<ul> <li>finely stranded without core end processing</li> </ul>	2x (1 6 mm²)			
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• finely stranded with core end processing1 6 mm²• finely stranded without core end processing1 6 mm²connectable conductor cross-section for auxiliary contacts0.5 2.5 mm²• solid or stranded0.5 2.5 mm²• finely stranded with core end processing0.5 1.5 mm²• finely stranded without core end processing0.5 2.5 mm²• for auxiliary contacts0.5 2.5 mm²• for auxiliary contacts2x (0.5 2.5 mm²)• for auxiliary contacts2x (0.5 2.5 mm²)• for auxiliary contacts2x (0.5 2.5 mm²)• finely stranded with core end processing2x (0.5 2.5 mm²)• finely stranded with core end processing2x (0.5 2.5 mm²)• finely stranded with core end processing2x (0.5 2.5 mm²)• finely stranded with core end processing2x (0.5 2.5 mm²)• finely stranded with core end processing2x (0.5 2.5 mm²)• for AWG cables for auxiliary contacts2x (20 14)AWG number as coded connectable conductor cross sections18 8• for main contacts18 8• for auxiliary contacts20 14Safety related data20 14product functionYes• mirror contact according to IEC 60947-4-1Yessuitability for use safety-related switching OFFYes	• solid	1 10 mm²			
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connectable conductor cross-section for auxiliary contacts• solid or stranded0.5 2.5 mm²• finely stranded with core end processing0.5 1.5 mm²• finely stranded without core end processing0.5 2.5 mm²type of connectable conductor cross-sections0.5 2.5 mm²• for auxiliary contacts2x (0.5 2.5 mm²)- solid or stranded2x (0.5 2.5 mm²)- finely stranded with core end processing2x (0.5 2.5 mm²)- finely stranded with core end processing2x (0.5 2.5 mm²)- finely stranded with core end processing2x (0.5 2.5 mm²)- finely stranded without core end processing2x (0.5 2.5 mm²)- finely stranded without core end processing2x (0.5 2.5 mm²)- for AWG cables for auxiliary contacts2x (20 14)AWG number as coded connectable conductor cross section18 8• for auxiliary contacts20 14Safety related dataproduct function • mirror contact according to IEC 60947-4-1Yessuitability for use safety-related switching OFFYes	<ul> <li>finely stranded with core end processing</li> </ul>	1 6 mm²			
• solid or stranded0.5 2.5 mm²• finely stranded with core end processing0.5 1.5 mm²• finely stranded without core end processing0.5 2.5 mm²type of connectable conductor cross-sections•• for auxiliary contacts solid or stranded2x (0.5 2.5 mm²)- finely stranded with core end processing2x (0.5 1.5 mm²)- finely stranded with core end processing2x (0.5 2.5 mm²)- finely stranded with core end processing2x (0.5 2.5 mm²)- finely stranded without core end processing2x (0.5 2.5 mm²)- finely stranded without core end processing2x (0.5 2.5 mm²)- finely stranded without core end processing2x (0.5 2.5 mm²)- finely stranded without core end processing2x (0.5 2.5 mm²)- for AWG cables for auxiliary contacts2x (20 14)AWG number as coded connectable conductor cross section18 8• for main contacts18 8• for auxiliary contacts20 14Safety related data	<ul> <li>finely stranded without core end processing</li> </ul>	1 6 mm²			
• finely stranded with core end processing0.5 1.5 mm²• finely stranded without core end processing0.5 2.5 mm²type of connectable conductor cross-sections0.5 2.5 mm²• for auxiliary contacts2x (0.5 2.5 mm²)- solid or stranded2x (0.5 2.5 mm²)- finely stranded with core end processing2x (0.5 1.5 mm²)- finely stranded with core end processing2x (0.5 2.5 mm²)• for AWG cables for auxiliary contacts2x (0.5 2.5 mm²)• for AWG cables for auxiliary contacts2x (0.5 2.5 mm²)• for main contacts18 8• for auxiliary contacts20 14Safety related data20 14product functionYes• mirror contact according to IEC 60947-4-1Yessuitability for use safety-related switching OFFYes	connectable conductor cross-section for auxiliary contacts				
• finely stranded without core end processing       0.5 2.5 mm²         type of connectable conductor cross-sections       • for auxiliary contacts         • for auxiliary contacts       2x (0.5 2.5 mm²)         - solid or stranded       2x (0.5 2.5 mm²)         - finely stranded with core end processing       2x (0.5 2.5 mm²)         - finely stranded without core end processing       2x (0.5 2.5 mm²)         - finely stranded without core end processing       2x (0.5 2.5 mm²)         • for AWG cables for auxiliary contacts       2x (20 14)         AWG number as coded connectable conductor cross section       18 8         • for main contacts       18 8         • for auxiliary contacts       20 14         Safety related data       14         Safety related data       14         suitability for use safety-related switching OFF       Yes	solid or stranded	0.5 2.5 mm²			
type of connectable conductor cross-sections         • for auxiliary contacts         - solid or stranded         - solid or stranded with core end processing         - finely stranded with core end processing         - finely stranded without core end processing         - finely stranded without core end processing         2x (0.5 2.5 mm²)         - finely stranded without core end processing         2x (0.5 2.5 mm²)         • for AWG cables for auxiliary contacts         2x (20 14)         AWG number as coded connectable conductor cross         section         • for main contacts         18 8         • for auxiliary contacts         20 14         Safety related data         product function         • mirror contact according to IEC 60947-4-1         Yes         suitability for use safety-related switching OFF	<ul> <li>finely stranded with core end processing</li> </ul>	0.5 1.5 mm²			
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- solid or stranded2x (0.5 2.5 mm²)- finely stranded with core end processing2x (0.5 2.5 mm²)- finely stranded without core end processing2x (0.5 2.5 mm²)• for AWG cables for auxiliary contacts2x (20 14)AWG number as coded connectable conductor cross section18 8• for main contacts18 8• for auxiliary contacts20 14Safety related dataYesproduct function • mirror contact according to IEC 60947-4-1Yessuitability for use safety-related switching OFFYes	type of connectable conductor cross-sections				
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finely stranded without core end processing       2x (0.5 2.5 mm²)         • for AWG cables for auxiliary contacts       2x (20 14)         AWG number as coded connectable conductor cross section	— solid or stranded	2x (0.5 2.5 mm²)			
• for AWG cables for auxiliary contacts       2x (20 14)         AWG number as coded connectable conductor cross section       -         • for main contacts       18 8         • for auxiliary contacts       20 14         Safety related data       -         product function       -         • mirror contact according to IEC 60947-4-1       Yes         suitability for use safety-related switching OFF       Yes	— finely stranded with core end processing	2x (0.5 1.5 mm²)			
AWG number as coded connectable conductor cross section         • for main contacts       18 8         • for auxiliary contacts       20 14         Safety related data         product function         • mirror contact according to IEC 60947-4-1         Yes         suitability for use safety-related switching OFF         Yes	- finely stranded without core end processing	2x (0.5 2.5 mm²)			
section         Image: section                • for main contacts             • for auxiliary contacts               18 8                 • for auxiliary contacts               20 14                 Safety related data               roduct function                 • mirror contact according to IEC 60947-4-1               Yes                 suitability for use safety-related switching OFF               Yes	• for AWG cables for auxiliary contacts	2x (20 14)			
• for auxiliary contacts     20 14       Safety related data     Product function       • mirror contact according to IEC 60947-4-1     Yes       suitability for use safety-related switching OFF     Yes					
Safety related data         product function <ul> <li>mirror contact according to IEC 60947-4-1</li> <li>Yes</li> </ul> suitability for use safety-related switching OFF       Yes	<ul> <li>for main contacts</li> </ul>	18 8			
product function       • mirror contact according to IEC 60947-4-1       Suitability for use safety-related switching OFF   Yes	-	20 14			
mirror contact according to IEC 60947-4-1 Yes suitability for use safety-related switching OFF Yes	Safety related data				
suitability for use safety-related switching OFF Yes	product function				
	<ul> <li>mirror contact according to IEC 60947-4-1</li> </ul>	Yes			
B10 value with high demand rate according to SN 31920 450 000	suitability for use safety-related switching OFF	Yes			
	B10 value with high demand rate according to SN 31920	450 000			

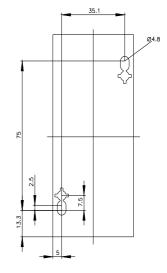
proportion of dange	rous failures					
<ul> <li>with low deman</li> </ul>	nd rate according to SN 319	20	40 %			
<ul> <li>with high dema</li> </ul>	nd rate according to SN 319	920	73 %			
failure rate [FIT] with I	ow demand rate according	to SN 31920	100 FIT			
	t interval or service life acco		20 a			
	on the front according to I	EC 60529	IP20			
protection class IP on the front according to IEC 60529 IP20 touch protection on the front according to IEC 60529 finger-safe, for vertical contact from the front						
ertificates/ approvals	-		U	,		
General Product Ap						
() E		<u>Confirmatio</u>	<u>n</u>	(U) u	KC	EAC
EMC	Functional Safety/Safety of Ma- chinery	Declaration of	Conformity		Test Certificates	
RCM	Type Examination Cer- tificate	CE EG-Konf.		UK CA	Special Test Certific- ate	Type Test Certific- ates/Test Report
Test Certificates	Marine / Shipping					
<u>Miscellaneous</u>	ABS	BUREAU VERITAS			Llovd's Register urs	PRS
Marine / Shipping		other			Railway	Dangerous Good
RINA	RMRS RMRS	<u>Confirmatio</u>	<u>n</u>		Vibration and Shock	Transport Informatio
Environment						
Environmental Con- firmations						
urther information						
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Cax online generato	r					
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https://support.industr	anuals, Certificates, Chara <u>y.siemens.com/cs/ww/en/ps</u> duct images_2D dimensio	3RT2027-2BB40	<u>)-0CC0</u>	ice circuit diagra	ms FPI AN macros	

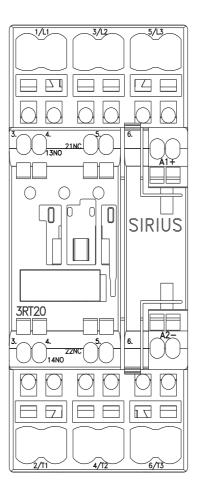
Characteristic: Tripping characteristics, I<sup>2</sup>t, Let-through current

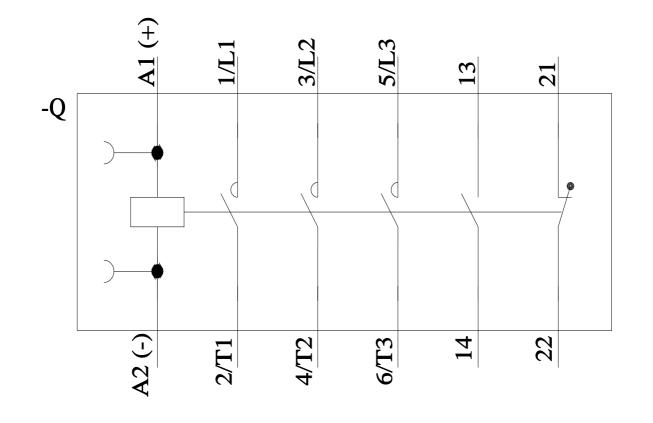
https://support.industry.siemens.com/cs/ww/en/ps/3RT2027-2BB40-0CC0/char Further characteristics (e.g. electrical endurance, switching frequency) http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT2027-2BB40-0CC0&objecttype=14&gridview=view1











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