## **SIEMENS**

Data sheet 3RT2035-3AR60



power contactor, AC-3e/AC-3, 41 A, 18.5 kW / 400 V, 3-pole, 400 V AC, 50 Hz / 400-440 V, 60 Hz, auxiliary contacts: 1 NO + 1 NC, main circuit: screw terminal, control and auxiliary circuit: spring-loaded terminal, size: S2,

product brand name	SIRIUS
product designation	Power contactor
product type designation	3RT2
General technical data	
size of contactor	S2
product extension	
<ul> <li>function module for communication</li> </ul>	No
auxiliary switch	Yes
power loss [W] for rated value of the current	
<ul> <li>at AC in hot operating state</li> </ul>	6.6 W
<ul> <li>at AC in hot operating state per pole</li> </ul>	2.2 W
<ul> <li>without load current share typical</li> </ul>	6.5 W
type of calculation of power loss depending on pole	quadratic
insulation voltage	
<ul> <li>of main circuit with degree of pollution 3 rated value</li> </ul>	690 V
• of auxiliary circuit with degree of pollution 3 rated value	690 V
surge voltage resistance	
<ul> <li>of main circuit rated value</li> </ul>	6 kV
<ul> <li>of auxiliary circuit rated value</li> </ul>	6 kV
maximum permissible voltage for protective separation between coil and main contacts according to EN 60947-1	400 V
shock resistance at rectangular impulse	
• at AC	11.8g / 5 ms, 7.4g / 10 ms
shock resistance with sine pulse	
• at AC	18.5g / 5 ms, 11.6g / 10 ms
mechanical service life (operating cycles)	
<ul> <li>of contactor typical</li> </ul>	10 000 000
<ul> <li>of the contactor with added electronically optimized auxiliary switch block typical</li> </ul>	5 000 000
<ul> <li>of the contactor with added auxiliary switch block typical</li> </ul>	10 000 000
reference code according to IEC 81346-2	Q
Substance Prohibitance (Date)	
Weight	0.98 kg
Ambient conditions	
installation altitude at height above sea level maximum	2 000 m
ambient temperature	
during operation	-25 +60 °C
during storage	-55 +80 °C
relative humidity minimum	10 %
relative humidity at 55 °C according to IEC 60068-2-30 maximum	95 %

number of poles for main current circuit	3
number of NO contacts for main contacts	3
operating voltage	
at AC-3 rated value maximum	690 V
at AC-3e rated value maximum	690 V
operational current	
• at AC-1 at 400 V at ambient temperature 40 °C rated	60 A
value	
• at AC-1	CO A
<ul> <li>up to 690 V at ambient temperature 40 °C rated value</li> </ul>	60 A
— up to 690 V at ambient temperature 60 $^{\circ}\text{C}$ rated value	55 A
• 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	
— at 400 V rated value	41 A
— at 500 V rated value	41 A
— at 690 V rated value	24 A
• at AC-4 at 400 V rated value	35 A
• at AC-5a up to 690 V rated value	52.8 A
• at AC-5b up to 400 V rated value	33.2 A
• at AC-6a	
— up to 230 V for current peak value n=20 rated value	36.5 A
— up to 400 V for current peak value n=20 rated value	36.5 A
— up to 500 V for current peak value n=20 rated value	36.5 A
— up to 690 V for current peak value n=20 rated value	24 A
• at AC-6a	
— up to 230 V for current peak value n=30 rated value	24.2 A
— up to 400 V for current peak value n=30 rated value	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	
at 1 current path at DC-1	
— at 24 V rated value	55 A
— at 60 V rated value	23 A
— at 110 V rated value	4.5 A
— at 220 V rated value	1 A
— at 440 V rated value	0.4 A
— at 600 V rated value	0.25 A
with 2 current paths in series at DC-1	
— at 24 V rated value	55 A
— at 60 V rated value	45 A
— at 110 V rated value	45 A
— at 220 V rated value	5 A
— at 440 V rated value	1A
— at 600 V rated value	0.8 A
with 3 current paths in series at DC-1	
— at 24 V rated value	55 A
— at 60 V rated value	55 A
— at 110 V rated value	55 A
— at 220 V rated value	45 A
at ZZO V Tatod Value	

— 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	35 A
— at 60 V rated value	6 A
— at 220 V rated value	1 A
— at 440 V rated value	0.1 A
— at 600 V rated value	0.06 A
<ul> <li>with 2 current paths in series at DC-3 at DC-5</li> </ul>	
— at 24 V rated value	55 A
— at 60 V rated value	45 A
— at 110 V rated value	25 A
— at 220 V rated value	5 A
— at 440 V rated value	0.27 A
— at 600 V rated value	0.16 A
<ul> <li>with 3 current paths in series at DC-3 at DC-5</li> </ul>	
— at 24 V rated value	55 A
— at 60 V rated value	55 A
— at 110 V rated value	55 A
— at 220 V rated value	25 A
— at 440 V rated value	0.6 A
— at 600 V rated value	0.35 A
operating power	
at AC-2 at 400 V rated value	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	ZZ NVV
— at 230 V rated value	11 kW
	18.5 kW
— at 400 V rated value	
— at 500 V rated value	22 kW
— at 690 V rated value	22 kW
operating power for approx. 200000 operating cycles at AC-	
• 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
• up to 400 V for current peak value n=20 rated value	25.2 kVA
• up to 500 V for current peak value n=20 rated value	31.6 kVA
• up to 690 V for current peak value n=20 rated value	28.6 kVA
operating apparent power at AC-6a	
up to 230 V for current peak value n=30 rated value	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
limited to 30 s switching at zero current maximum	241 A; Use minimum cross-section acc. to AC-1 rated value
limited to 60 s switching at zero current maximum	196 A; Use minimum cross-section acc. to AC-1 rated value
no-load switching frequency	
• at AC	5 000 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	
type of voltage of the control supply voltage	AC
	AC
control supply voltage at AC	400.1/
at 50 Hz rated value	400 V
at 60 Hz rated value	400 440 V
operating range factor control supply voltage rated value of magnet coil at AC	
• at 50 Hz	0.8 1.1
• at 60 Hz	0.85 1.1
apparent pick-up power of magnet coil at AC	
• at 50 Hz	212 VA
• at 60 Hz	188 VA
inductive power factor with closing power of the coil	
• at 50 Hz	0.69
• at 60 Hz	0.65
apparent holding power	
at minimum rated control supply voltage at AC	
— at 60 Hz	17.2 VA
at maximum rated control supply voltage at AC	
— at 60 Hz	17.2 VA
apparent holding power of magnet coil at AC	
• at 50 Hz	18.5 VA
• at 60 Hz	16.5 VA
inductive power factor with the holding power of the coil	
• at 50 Hz	0.36
• at 60 Hz	0.39
closing delay	0.00
• at AC	10 80 ms
opening delay	10 00 1113
• at AC	10 18 ms
arcing time	10 20 ms
control version of the switch operating mechanism	Standard A1 - A2
Auxiliary circuit	Standard 711
number of NC contacts for auxiliary contacts instantaneous	1
contact	
number of NO contacts for auxiliary contacts instantaneous	1
contact	
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	40 A
at 600 V rated value     at 600 V rated value	41 A
yielded mechanical performance [hp]	
• for single-phase AC motor	
— at 110/120 V rated value	3 hp
— at 230 V rated value	7.5 hp
• for 3-phase AC motor	7.5 Hp
— at 200/208 V rated value	10 hp
— at 220/230 V rated value  — 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 / P600
Short-circuit protection	
design of the fuse link	
<ul> <li>for short-circuit protection of the main circuit</li> </ul>	
<ul> <li>— with type of coordination 1 required</li> </ul>	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)
for short-circuit protection of the auxiliary switch required	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 DIN rail according to DIN EN 60715
height	114 mm
width	55 mm
depth	130 mm
required spacing	
with side-by-side mounting	
— forwards	10 mm
— upwards	10 mm
— downwards	10 mm
— at the side	0 mm
for grounded parts	
— forwards	10 mm
— upwards	10 mm
— at the side	6 mm
— downwards	10 mm
• for live parts	10 mm
— forwards	10 mm
— upwards	10 mm
— downwards	10 mm
— at the side	6 mm
Connections/ Terminals	
type of electrical connection	
for main current circuit	screw-type terminals
for auxiliary and control circuit	spring-loaded terminals
<ul> <li>at contactor for auxiliary contacts</li> </ul>	Spring-type terminals
of magnet coil	Spring-type terminals
type of connectable conductor cross-sections	
• for main contacts	
for main contacts     — solid or stranded	2x (1 35 mm²), 1x (1 50 mm²)
• for main contacts	2x (1 35 mm²), 1x (1 50 mm²) 2x (1 25 mm²), 1x (1 35 mm²)
for main contacts     — solid or stranded	
<ul> <li>for main contacts</li> <li>— solid or stranded</li> <li>— finely stranded with core end processing</li> </ul>	2x (1 25 mm²), 1x (1 35 mm²)
<ul> <li>for main contacts</li> <li>— solid or stranded</li> <li>— finely stranded with core end processing</li> <li>for AWG cables for main contacts</li> </ul>	2x (1 25 mm²), 1x (1 35 mm²)
for main contacts         — solid or stranded         — finely stranded with core end processing         • for AWG cables for main contacts  connectable conductor cross-section for main contacts	2x (1 25 mm²), 1x (1 35 mm²) 2x (18 2), 1x (18 1)
<ul> <li>for main contacts</li> <li>— solid or stranded</li> <li>— finely stranded with core end processing</li> <li>for AWG cables for main contacts</li> <li>connectable conductor cross-section for main contacts</li> <li>finely stranded with core end processing</li> </ul>	2x (1 25 mm²), 1x (1 35 mm²) 2x (18 2), 1x (18 1)
for main contacts         — solid or stranded         — finely stranded with core end processing         • for AWG cables for main contacts         connectable conductor cross-section for main contacts         • finely stranded with core end processing         connectable conductor cross-section for auxiliary contacts	2x (1 25 mm²), 1x (1 35 mm²) 2x (18 2), 1x (18 1) 1 35 mm²

of or auxiliary contacts		
- 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) - for AWG cables for auxiliary contacts 2x (20 14)  AWG number as coded connectable conductor cross section - for main contacts 18 1 - for auxiliary contacts 20 14  Safety related data  product function - mirror contact according to IEC 60947-4-1 Yes - suitable for safety function Yes suitablity for use safety-related switching OFF Yes service life maximum 20 a test wear-related service life necessary Yes  proportion of dangerous failures - with low demand rate according to SN 31920 40 % - with high demand rate according to SN 31920 1000 000 failure rate [FIT] with low demand rate according to SN 31920 100 FIT  SISO 13849  device type according to ISO 13849-1 3 overdimensioning according to IEC 61508-2 Type A  Electrical Safety protection class IP on the front according to IEC 60529 IP20	type of connectable conductor cross-sections	
- finely stranded with core end processing - finely stranded without core end processing - finely stranded without core end processing - for AWG cables for auxiliary contacts  - for AWG number as coded connectable conductor cross section - for main contacts - for auxiliary contacts - for auxilia	for auxiliary contacts	
- finely stranded without core end processing  • for AWG cables for auxiliary contacts  AWG number as coded connectable conductor cross section  • for main contacts • for auxiliary contacts 20 14  Safety related data  product function  • mirror contact according to IEC 60947-4-1 • positively driven operation according to IEC 60947-5-1 • suitable for safety function  • suitable iff safety related switching OFF Yes  service Iffe maximum 20 a  test wear-related service life necessary  vith low demand rate according to SN 31920 • with high demand rate according to SN 31920  avith high demand rate according to SN 31920  180 Value with high demand rate according to SN 31920  1810 13849  device type according to ISO 13849-1  overdimensioning according to ISO 13849-2 necessary  protection class IP on the front according to IEC 60529  IRO 13849  Lectrical Safety  protection class IP on the front according to IEC 60529  IRO 20	— solid or stranded	2x (0.5 2.5 mm²)
• for AWG cables for auxiliary contacts  AWG number as coded connectable conductor cross section      • for main contacts     • for main contacts     • for auxiliary contacts 20 14  Safety related data  product function      • mirror contact according to IEC 60947-4-1     • positively driven operation according to IEC 60947-5-1     • positively driven operation according to IEC 60947-5-1     • suitable for safety function     • suitable for safety function     • suitable for safety function     • yes  service life maximum     20 a  test wear-related service life necessary     proportion of dangerous failures      • with low demand rate according to SN 31920     • with high demand rate according to SN 31920     • with high demand rate according to SN 31920     100 FIT  31920  ISO 13849  device type according to ISO 13849-1     3 overdimensioning according to ISO 13849-2 necessary  IEC 61508  safety device type according to IEC 61508-2     Type A  Electrical Safety  protection class IP on the front according to IEC 60529  IP20	<ul> <li>finely stranded with core end processing</li> </ul>	2x (0.5 1.5 mm²)
AWG number as coded connectable conductor cross section  • for main contacts • for auxiliary contacts 20 14  Safety related data  product function • mirror contact according to IEC 60947-4-1 • positively driven operation according to IEC 60947-5-1 • suitable for safety function • with low demand rate according to IEC 60947-5-1  ves survice life maximum 20 a  test wear-related service life necessary yes  with low demand rate according to SN 31920 • with high demand rate according to SN 31920 • with high demand rate according to SN 31920 1000 000  failure rate [FIT] with low demand rate according to SN 31920  ISO 13849  device type according to ISO 13849-1 overdimensioning according to IEC 61508-2 ISO 529  IPO 40  ISO 61508  Safety device type according to IEC 61508-2 IPO 1900 IPO 1900 IEC 61508-9 IPO 1900 IPO 1900 IEC 61508-9 IPO 1900 IPO 1900 IPO 1900 IEC 61508-9 IPO 1900 IPO 1	<ul> <li>finely stranded without core end processing</li> </ul>	2x (0.5 2.5 mm²)
section  • for main contacts • for auxiliary contacts • for auxiliary contacts • for auxiliary contacts  Safety related data  product function • mirror contact according to IEC 60947-4-1 • positively driven operation according to IEC 60947-5-1 • positively driven operation according to Yes • suitable for safety function  **suitable for safety function  **yes  **service life maximum  **20 a  **test wear-related service life necessary  **yes  **proportion of dangerous failures  **with low demand rate according to SN 31920  **with low demand rate according to SN 31920  **with high demand rate according to SN 31920  **with high demand rate according to SN 31920  **suitable for use safety function  **suitable for use safety function  **suitable for safety funct	for AWG cables for auxiliary contacts	2x (20 14)
• for auxiliary contacts  Safety related data  product function  • mirror contact according to IEC 60947-4-1 • positively driven operation according to IEC 60947-5-1 • suitable for safety function  suitability for use safety-related switching OFF  yes service life maximum  20 a  test wear-related service life necessary  proportion of dangerous failures • with low demand rate according to SN 31920 • with high demand rate according to SN 31920  ### 1000 000  ### 1000 000  ### 1000 000  ### 1000 13849  ### 1		
Product function  In mirror contact according to IEC 60947-4-1  In positively driven operation according to IEC 60947-5-1  In positively driven operation according to IEC 60947-5-1  In suitablity for use safety-related switching OFF  Service life maximum  In proportion of dangerous failures  In with low demand rate according to SN 31920  In with high demand rate according to SN 31920  In with high demand rate according to SN 31920  In with high demand rate according to SN 31920  In with high demand rate according to SN 31920  In with high demand rate according to SN 31920  In with low demand rate according to SN 31920  In with high demand rate according to SN 31920  In with high demand rate according to SN 31920  In with low demand rate according to SN 31920  In with	• for main contacts	18 1
product function	<ul> <li>for auxiliary contacts</li> </ul>	20 14
<ul> <li>mirror contact according to IEC 60947-4-1</li> <li>positively driven operation according to IEC 60947-5-1</li> <li>suitable for safety function</li> <li>suitablility for use safety-related switching OFF</li> <li>yes</li> <li>service life maximum</li> <li>20 a</li> <li>test wear-related service life necessary</li> <li>proportion of dangerous failures</li> <li>with low demand rate according to SN 31920</li> <li>with high demand rate according to SN 31920</li> <li>a with high demand rate according to SN 31920</li> <li>1000 000</li> <li>failure rate [FIT] with low demand rate according to SN 31920</li> <li>ISO 13849</li> <li>device type according to ISO 13849-1</li> <li>overdimensioning according to ISO 13849-2 necessary</li> <li>IEC 61508</li> <li>safety device type according to IEC 61508-2</li> <li>Type A</li> <li>Electrical Safety</li> <li>protection class IP on the front according to IEC 60529</li> <li>IP20</li> </ul>	Safety related data	
positively driven operation according to IEC 60947-5-1     suitable for safety function     yes  suitability for use safety-related switching OFF  service life maximum     20 a  test wear-related service life necessary     yes  proportion of dangerous failures     with low demand rate according to SN 31920     with high demand rate according to SN 31920     with high demand rate according to SN 31920  B10 value with high demand rate according to SN 31920  failure rate [FIT] with low demand rate according to SN 31920  ISO 13849  device type according to ISO 13849-1  overdimensioning according to ISO 13849-2 necessary  IEC 61508  safety device type according to IEC 61508-2  Type A  Electrical Safety  protection class IP on the front according to IEC 60529  IP20	product function	
suitable for safety function     suitability for use safety-related switching OFF     service life maximum     20 a  test wear-related service life necessary     Yes  proportion of dangerous failures     • with low demand rate according to SN 31920     • with high demand rate according to SN 31920     73 %  B10 value with high demand rate according to SN 31920     1000 000  failure rate [FIT] with low demand rate according to SN 31920  ISO 13849  device type according to ISO 13849-1     overdimensioning according to ISO 13849-2 necessary  IEC 61508  safety device type according to IEC 61508-2  Electrical Safety  protection class IP on the front according to IEC 60529  IP20	<ul> <li>mirror contact according to IEC 60947-4-1</li> </ul>	Yes
suitability for use safety-related switching OFF  service life maximum  20 a  test wear-related service life necessary  proportion of dangerous failures  • with low demand rate according to SN 31920  • with high demand rate according to SN 31920  1000 000  failure rate [FIT] with low demand rate according to SN 31920  ISO 13849  device type according to ISO 13849-1  overdimensioning according to ISO 13849-2 necessary  IEC 61508  safety device type according to IEC 61508-2  Figure 1  Type A  Electrical Safety  protection class IP on the front according to IEC 60529  IP20	<ul> <li>positively driven operation according to IEC 60947-5-1</li> </ul>	No
test wear-related service life necessary  proportion of dangerous failures  • with low demand rate according to SN 31920 • with high demand rate according to SN 31920  B10 value with high demand rate according to SN 31920  failure rate [FIT] with low demand rate according to SN 31920  ISO 13849  device type according to ISO 13849-1  overdimensioning according to ISO 13849-2 necessary  IEC 61508  safety device type according to IEC 61508-2  Electrical Safety  protection class IP on the front according to IEC 60529  IYes  IP20	suitable for safety function	Yes
test wear-related service life necessary  proportion of dangerous failures  • with low demand rate according to SN 31920  • with high demand rate according to SN 31920  B10 value with high demand rate according to SN 31920  failure rate [FIT] with low demand rate according to SN 31920  ISO 13849  device type according to ISO 13849-1  overdimensioning according to ISO 13849-2 necessary  IEC 61508  safety device type according to IEC 61508-2  Electrical Safety  protection class IP on the front according to IEC 60529  IP20	suitability for use safety-related switching OFF	Yes
proportion of dangerous failures  • with low demand rate according to SN 31920  • with high demand rate according to SN 31920  B10 value with high demand rate according to SN 31920  failure rate [FIT] with low demand rate according to SN 31920  ISO 13849  device type according to ISO 13849-1  overdimensioning according to ISO 13849-2 necessary  IEC 61508  safety device type according to IEC 61508-2  Electrical Safety  protection class IP on the front according to IEC 60529  IP20	service life maximum	20 a
with low demand rate according to SN 31920     with high demand rate according to SN 31920  B10 value with high demand rate according to SN 31920  failure rate [FIT] with low demand rate according to SN 31920  ISO 13849  device type according to ISO 13849-1  overdimensioning according to ISO 13849-2 necessary  IEC 61508  safety device type according to IEC 61508-2  Type A  Electrical Safety  protection class IP on the front according to IEC 60529  IP20	test wear-related service life necessary	Yes
<ul> <li>with high demand rate according to SN 31920</li> <li>B10 value with high demand rate according to SN 31920</li> <li>failure rate [FIT] with low demand rate according to SN 31920</li> <li>ISO 13849</li> <li>device type according to ISO 13849-1</li> <li>overdimensioning according to ISO 13849-2 necessary</li> <li>IEC 61508</li> <li>safety device type according to IEC 61508-2</li> <li>Electrical Safety</li> <li>protection class IP on the front according to IEC 60529</li> <li>IP20</li> </ul>	proportion of dangerous failures	
B10 value with high demand rate according to SN 31920  failure rate [FIT] with low demand rate according to SN 31920  ISO 13849  device type according to ISO 13849-1 3  overdimensioning according to ISO 13849-2 necessary Yes  IEC 61508  safety device type according to IEC 61508-2 Type A  Electrical Safety  protection class IP on the front according to IEC 60529 IP20	<ul> <li>with low demand rate according to SN 31920</li> </ul>	40 %
failure rate [FIT] with low demand rate according to SN 31920  ISO 13849  device type according to ISO 13849-1 3  overdimensioning according to ISO 13849-2 necessary Yes  IEC 61508  safety device type according to IEC 61508-2 Type A  Electrical Safety  protection class IP on the front according to IEC 60529 IP20	<ul> <li>with high demand rate according to SN 31920</li> </ul>	73 %
ISO 13849  device type according to ISO 13849-1  overdimensioning according to ISO 13849-2 necessary  IEC 61508  safety device type according to IEC 61508-2  Electrical Safety  protection class IP on the front according to IEC 60529  IP20	B10 value with high demand rate according to SN 31920	1 000 000
device type according to ISO 13849-1  overdimensioning according to ISO 13849-2 necessary  IEC 61508  safety device type according to IEC 61508-2  Electrical Safety  protection class IP on the front according to IEC 60529  IP20		100 FIT
overdimensioning according to ISO 13849-2 necessary IEC 61508 safety device type according to IEC 61508-2 Electrical Safety protection class IP on the front according to IEC 60529 IP20	ISO 13849	
IEC 61508 safety device type according to IEC 61508-2 Electrical Safety protection class IP on the front according to IEC 60529 IP20	device type according to ISO 13849-1	3
safety device type according to IEC 61508-2  Electrical Safety  protection class IP on the front according to IEC 60529  IP20	overdimensioning according to ISO 13849-2 necessary	Yes
Electrical Safety protection class IP on the front according to IEC 60529 IP20	IEC 61508	
protection class IP on the front according to IEC 60529 IP20	safety device type according to IEC 61508-2	Type A
•	Electrical Safety	
touch protection on the front according to IEC 60529 finger-safe, for vertical contact from the front	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

## Information on the packaging

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

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=3RT2035-3AR60

Cax online generator

 $\underline{\text{http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en\&mlfb=3RT2035-3AR60}$ 

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

 $\underline{\text{https://support.industry.siemens.com/cs/ww/en/ps/3RT2035-3AR60}}$ 

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

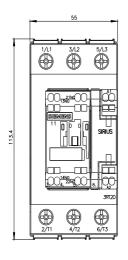
http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RT2035-3AR60&lang=en

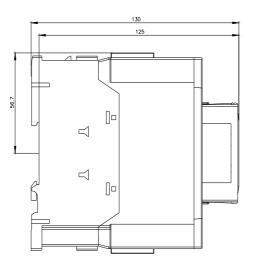
Characteristic: Tripping characteristics, I²t, Let-through current

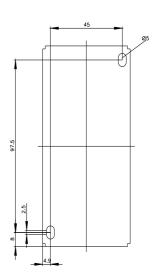
nttps://support.industry.siemens.com/cs/ww/en/ps/3R12035-3AR60/cnar

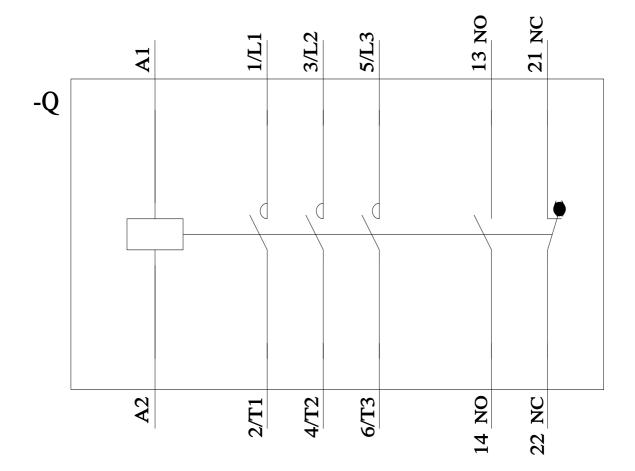
Further characteristics (e.g. electrical endurance, switching frequency)

http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT2035-3AR60&objecttype=14&gridview=view1









last modified:

