SIEMENS

Data sheet 3RH2271-2BB40



contactor relay, 7 NO + 1 NC, 24 V DC, size S00, spring-loaded terminal, captive auxiliary switch

product brand name	SIRIUS
product designation	Auxiliary contactor
product type designation	3RH2
General technical data	
size of contactor	S00
product extension auxiliary switch	No
insulation voltage with degree of pollution 3 at AC rated value	690 V
degree of pollution	3
surge voltage resistance rated value	6 kV
shock resistance at rectangular impulse	
• at DC	10g / 5 ms, 5g / 10 ms
shock resistance with sine pulse	
• at DC	15g / 5 ms, 8g / 10 ms
mechanical service life (operating cycles)	
of contactor typical	10 000 000
reference code according to IEC 81346-2	K
Substance Prohibitance (Date)	10/01/2009
Ambient conditions	
installation altitude at height above sea level maximum	2 000 m
ambient temperature	
during operation	-25 +60 °C
during storage	-55 +80 °C
relative humidity minimum	10 %
relative humidity at 55 °C according to IEC 60068-2-30 maximum	95 %
Main circuit	
no-load switching frequency	
• at AC	10 000 1/h
• at DC	10 000 1/h
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	4 W
holding power of magnet coil at DC	4 W
closing delay	
• at DC	30 100 ms

a 20 DC 713 ms a carcing time 10 _ 15 ms		
Activities 10 15 ms	opening delay	7 40
Authory circuit number of NC contacts for auxiliary contacts is distintaneous contact number of NO contacts for auxiliary contacts is distintaneous contact restrictions of NO contacts for auxiliary contacts restrictions of NO contacts restrictions of NO contacts for auxiliary contacts restrictions of NO contact		
number of NC contacts for auxiliary contacts indistributions contact intermed NC contacts for auxiliary contacts identification number and letter for switching elements operational current at AC-12 maximum operational current at AC-12 maximum operational current at AC-15 at 230 V rated value at 400 V rated value at 600 V r		10 15 IIIS
Instantaneous contact		4
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International current at AC-12 maximum		
Identification number and letter for ewitching elements	-	
operational current at AC-12 maximum operational current at AC-15 • at 300 V rated value • at 690 V rated value • at 690 V rated value • at 100 V rated value • at 100 V rated value • at 110 V rated value • at 110 V rated value • at 110 V rated value • at 120 V rated value • at 120 V rated value • at 100 V rated value • at 200 V rated value		
Operational current at AC-15 • al 230 V rated value 3 A • at 500 V rated value 2 A • at 500 V rated value 2 A • at 500 V rated value 1 A • at 500 V rated value 2 A • at 500 V rated value 1 A • at 500 V rated value 1 A • at 500 V rated value 1 A • at 220 V rated value 1 A • at 220 V rated value 0.3 A • at 220 V rated value 0.3 A • at 600 V rated value 0.4 A • at 600 V rated value 0.5 A • at 100 V rated value 10 A • at 100 V rated value 10 A • at 10 V rated value 1.3 A • at 220 V rated value 1.3 A • at 600 V rated value 1.3 A • at 220 V rated value 1.3 A • at 600 V rated value 1.3 A • at 220 V rated value 2.5 A • at 600 V rated value 1.3 A • at 220 V rated value 1.3 A • at 220 V rated value 1.3 A • at 220 V rated value 1.3 A • at 600 V rated value 1.3 A • at 220 V rated value 0.1 A • at 100 V rated value 0.1 A • at 220 V rated value 0.1 A • at 600 V rated value 0.1 A •	_	
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e at 500 V rated value operational current at 1 current path at DC-12 e 12 24 V rated value ot at 110 V rated value ot at 110 V rated value ot at 240 V rated value ot 250 V rated value ot 260 V rated value ot 270 V rated value ot 170 V r	•	6 A
	at 400 V rated value	3 A
Operational current at 1 current path at DC-12	at 500 V rated value	2 A
at 24 V rated value at 110 V rated value at 26 00 V rated value at 26 V rated value at 20 V rated value at 40 V rated value at 20 V rated value at	at 690 V rated value	1 A
at 110 V rated value at 400 V rated value at 400 V rated value at 600 V rated v	operational current at 1 current path at DC-12	
at 220 V rated value	at 24 V rated value	10 A
at 440 V rated value	• at 110 V rated value	3 A
• at 600 V rated value	• at 220 V rated value	1 A
Operational current with 2 current paths in series at DC-12 at 24 V rated value	• at 440 V rated value	0.3 A
at 24 V rated value at 160 V rated value at 1220 V rated value at 220 V rated value at 430 V rated value at 440 V rated value at 440 V rated value at 600 V rated value at 600 V rated value at 600 V rated value at 800 V rated value at 80 V rated value at 80 V rated value at 80 V rated value at 100 V rated value at 220 V rated value at 220 V rated value at 220 V rated value at 250 V rated val	• at 600 V rated value	0.15 A
at 160 V rated value	operational current with 2 current paths in series at DC-12	
at 110 V rated value	at 24 V rated value	10 A
at 220 V rated value	at 60 V rated value	
at 440 V rated value 0.85 A at 600 V rated value 0.85 A operational current with 3 current paths in series at DC-12 at 24 V rated value 10 A at 60 V rated value 10 A at 60 V rated value 10 A at 10 V rated value 10 A at 20 V rated value 2.5 A at 60 V rated value 2.5 A at 60 V rated value 2.5 A at 60 V rated value 1.8 A operational current at 1 current path at DC-13 at 24 V rated value 6 A at 220 V rated value 1.8 A at 220 V rated value 0.3 A at 24 V rated value 1.4 A at 220 V rated value 0.3 A at 440 V rated value 0.4 A at 220 V rated value 1.8 A at 220 V rated value 1.9 A at 220 V rated value 1.9 A at 220 V rated value 1.9 A at 220 V rated value 1.3 A at 220 V rated value 1.3 A at 24 V rated value 1.3 A at 25 V rated value 1.3 A at 26 V rated value 1.3 A at 27 V rated value 1.3 A at 28 V rated value 1.3 A at 29 V rated value 1.3 A at 24 V rated value 1.4 A at 40 V rated value 1.5 A at 440 V r	• at 110 V rated value	4 A
• at 600 V rated value		
10 A		
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 at 220 V rated value at 440 V rated value at 600 V rated value 0.1 A Operational current with 3 current paths in series at DC-13 at 24 V rated value at 60 V rated value at 110 V rated value at 110 V rated value at 220 V rated value at 220 V rated value at 600 V rated value	• at 60 V rated value	3.5 A
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 at 10 V rated value at 110 V rated value at 220 V rated value at 440 V rated value at 600 V rated value oz6 A Operating frequency at DC-13 maximum design of the miniature circuit breaker for short-circuit protection of the auxiliary circuit up to 230 V Contact reliability of auxiliary contacts 4.7 A 3 A 0.2 A 0.5 A 0.26 A C characteristic: 6 A; 0.4 kA		40.4
 at 110 V rated value at 220 V rated value at 440 V rated value at 600 V rated value operating frequency at DC-13 maximum design of the miniature circuit breaker for short-circuit protection of the auxiliary circuit up to 230 V contact reliability of auxiliary contacts 3 A 1.2 A 0.5 A 0.26 A 1 000 1/h C characteristic: 6 A; 0.4 kA 1 faulty switching per 100 million (17 V, 1 mA) 		
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design of the miniature circuit breaker for short-circuit protection of the auxiliary circuit up to 230 V contact reliability of auxiliary contacts C characteristic: 6 A; 0.4 kA 1 faulty switching per 100 million (17 V, 1 mA)		
	design of the miniature circuit breaker for short-circuit protection	
UL/CSA ratings	contact reliability of auxiliary contacts	1 faulty switching per 100 million (17 V, 1 mA)
	JL/CSA ratings	

design of the fuse link for short-circuit protection of the auxiliary switch required mounting position **-*180" rotation possible on vertical mounting surface; can be tilted forward and backward by **-*12.5" on vertical mounting surface; can be tilted forward and backward by **-*12.5" on vertical mounting surface; can be tilted forward and backward by **-*12.5" on vertical mounting surface; can be tilted forward and backward by **-*12.5" on vertical mounting surface; can be tilted forward and backward by **-*12.5" on vertical mounting surface; can be tilted forward and backward by **-*12.5" on vertical mounting surface; can be tilted forward and backward by **-*12.5" on vertical mounting surface; can be tilted forward and backward by **-*12.5" on vertical mounting surface; can be tilted forward and backward by **-*12.5" on vertical mounting surface; can be tilted forward and backward by **-*12.5" on vertical mounting surface; can be tilted forward and backward by **-*12.5" on vertical mounting surface; can be tilted forward and backward by **-*12.5" on vertical mounting surface; can be tilted forward and backward by **-*12.5" on vertical mounting surface; can be tilted forward and backward by **-*12.5" on vertical mounting surface; can be tilted forward and backward by **-*12.5" on vertical mounting surface; can be tilted forward and backward by **-*12.5" on vertical mounting surface; can be tilted forward and backward by **-*12.5" on vertical mounting surface; can be tilted forward and backward by **-*12.5" on vertical mounting surface; can be tilted forward and backward by **-*12.5" on vertical mounting surface; can be tilted forward and backward by **-*12.5" on vertical mounting surface; can be tilted forward and backward by **-*12.5" on vertical mounting surface; can be tilted for ward and backward by **-*12.5" on vertical mounting surface; can be tilted forward and backward by **-*12.5" on vertical mounting surface; can be tilted for ward and backward by **-*12.5" on vertical mounting surface; can be ti	contact rating of auxiliary contacts according to UL	A600 / Q600		
switch required mounting position fastoning method fastoning method foreign meth	Short-circuit protection			
### ### ##############################	·	fuse gL/gG: 10 A		
baskward by +/- 22.5 fon vertical mounting surface fastening method height width depth 15 mm depth 45 mm equired spacing • with side-by-side mounting — forwards — upwards — downwards — at the side — of grounded parts — for grounded parts — forwards — upwards — 10 mm — forwards — upwards — 10 mm — forwards — upwards — 10 mm — forwards — 10 mm — forwards — upwards — 10 mm — forwards — 10 mm — forwards — 10 mm — side — downwards — upwards — 10 mm — at the side — downwards — downwards — 10 mm — forwards — method with core and processing — at the side — forwards — at the side — forwards — at the side — forwards — forwards — forwards — forwards — forwards — forwards — at the side — forwards — for suitieny contacts — solid or stranded — finely stranded with core end processing — fi	Installation/ mounting/ dimensions			
height 70 mm width 45 mm dopph 121 mm required spacing ************************************	mounting position			
width 45 mm depth 121 mm required spacing 10 mm with side-by-side mounting 10 mm - forwards 10 mm - downwards 10 mm - at the side 0 mm • for grounded parts 10 mm - upwards 10 mm - upwards 10 mm - downwards 10 mm - downwards 10 mm - for live parts 10 mm - upwards 10 mm - downwards 5 mm - for auxiliary contacts 5 mm type of electrical connection for auxiliary and control circuit spring-loaded terminals type of onnectable conductor cross-sections 6 rauxiliary contacts 2 x (0.5 2.5 mm²) - for auxiliary contacts 2 x (0.5 2.5 mm²) - for AWC cables for auxiliary contacts 2 x (0.5 2.5 mm²)	fastening method	screw and snap-on mounting onto 35 mm DIN rail		
required spacing • with side-by-side mounting — forwards — upwards — downwards — at the side — for grounded parts — forwards — upwards — upwards — upwards — 10 mm • for grounded parts — forwards — upwards — upwards — 10 mm — at the side — downwards — upwards — 10 mm — at the side — downwards — 10 mm — or the parts — forwards — 10 mm — or the parts — forwards — 10 mm — or the parts — forwards — 10 mm — or the parts — forwards — 10 mm — or the side — downwards — 10 mm — or the side — downwards — 10 mm — or the side — downwards — or the side — for maxiliary contacts — for auxiliary contacts — solid or stranded — finely stranded with core end processing — for fav MC cables for auxiliary contacts — for for auxiliary contacts — solid or stranded — finely stranded without core end processing — for fav Cables for auxiliary contacts — solid or stranded without core end processing — for AVC cables for auxiliary contacts — solid or stranded without core end processing — for AVC cables for auxiliary contacts — Solid or stranded without core end processing — for AVC cables for auxiliary contacts — solid or stranded without core end processing — for AVC cables for auxiliary contacts — Solid or stranded with core end processing — for AVC cables for auxiliary contacts — solid or stranded without core end processing — for AVC cables for auxiliary contacts — solid or stranded with core end processing — with high demand rate according to SN 31920 — with low demand rate according to SN 31920 — with low demand rate according to SN 31920 — with low demand rate according to SN 31920 — with low demand rate according to SN 31920 — with low demand rate according to SN 31920 — with low demand rate according to SN 31920 — with low demand rate according to SN 31920 — with low demand rate according to SN 31920 — with low demand rate according to SN 31920 — with low demand rate according to SN 31920 — with low demand rate according to SN 31920 — with low demand rate according to SN 31920 — with low demand rate according to SN 31920 — with	height	·		
required spacing with side-by-side mounting - forwards - upwards - downwards - downwards - dornwards - of forgounded parts - forwards - upwards - forwards - upwards - forwards - upwards - downwards - 10 mm - downwards - the side - downwards - 10 mm - for live parts - for live parts - forwards - upwards	width	45 mm		
with side-by-side mounting — forwards — upwards — downwards — at the side • for grounded parts — upwards — torwards — torwards — torwards — upwards — upwards — upwards — upwards — upwards — at the side — downwards — at the side — downwards — torwards — torwards — torwards — torwards — torwards — torwards — downwards — torwards — torwards — upwards — torwards — upwards — upwards — torwards — upwards — torwards — upwards — to mm — downwards — at the side — upwards — to mm — downwards — at the side — upwards — to mm — to real validing and control circuit * spring-loaded terminals ** **Ype of electrical connection for auxiliary and control circuit **spring-loaded terminals **Type of ownsetable conductor cross-sections **for auxiliary contacts — solid or stranded — finely stranded with core end processing — finely stranded with core end processing **for AWG cables for auxiliary contacts **Sefety related data **product function positively driven operation according to IEC 69847-5-1 B10 value with high demand rate according to SN 31920 **with low demand rate according to SN 31920 **with ligh	depth	121 mm		
forwards 10 mm	required spacing			
- upwards - downwards - downwards - at the side • for grounded parts - forwards - upwards - the side • for grounded parts - forwards - upwards - at the side - downwards - the side - downwards - to mm - the side - downwards - for live parts - forwards - upwards - for live parts - forwards - upwards - upwards - upwards - upwards - to mm - downwards - upwards - to mm - downwards - to mm - the side - formactions/ Terminals **Connections/ Terminals** **Type of electrical connection for auxiliary and control circuit **type of connectable conductor cross-sections - for auxiliary contacts - solid or stranded - finely stranded with core end processing - finely stranded with core end processing - for AWG cables for auxiliary contacts **Safety related data** product function positively driven operation according to IEC 60947-5-1 \$\$10 value with high demand rate according to SN 31920 - with high de	 with side-by-side mounting 			
- downwards - at the side • for grounded parts - forwards - upwards - at the side - downwards - upwards - at the side - downwards - for live parts - forwards - for live parts - forwards - upwards - for live parts - forwards - upwards - downwards - upwards - downwards - upwards - downwards - downwards - downwards - downwards - at the side - formale - downwards - downwards - downwards - at the side - formale - formale - type of electrical connection for auxiliary and control circuit - for auxiliary contacts - solid or stranded - finely stranded with core end processing - finely stranded with core end processing - for AWG cables for auxiliary contacts - product function positively driven operation according to IEC 60947-5-1 - B10 value with high demand rate according to SN 31920 - with high deman	— forwards	10 mm		
- at the side • for grounded parts - forwards - upwards - upwards - at the side - downwards • for live parts - forwards - upwards • for live parts - forwards - upwards - forwards - upwards - forwards - upwards - downwards - domnwards - at the side - 6 mm Connections/ Terminals type of electrical connection for auxiliary and control circuit spring-loaded terminals type of connectable conductor cross-sections • for auxiliary contacts - solid or stranded - finely stranded with core end processing - for ley stranded with core end processing - for AWG cables for auxiliary contacts 2x (0.5 2.5 mm²) - for AWG cables for auxiliary contacts 2x (0.5 2.5 mm²) - for AWG cables for auxiliary contacts 2x (0.5 2.5 mm²) - for We cables for aux	— upwards	10 mm		
• for grounded parts — forwards — upwards — at the side — downwards — 10 mm • for live parts — forwards — 10 mm • for live parts — forwards — upwards — 10 mm — downwards — 10 mm — downwards — 10 mm — at the side — downwards — 10 mm — at the side — for maxiliary and control circuit type of connectable conductor cross-sections • for auxiliary contacts — solid or stranded — finely stranded with core end processing — finely stranded without core end processing • for AWG cables for auxiliary contacts 2x (0.5 4 mm²) — finely stranded without core end processing • for AWG cables for auxiliary contacts 2x (20 12) Safety related data product function positively driven operation according to IEC 60947-5-1 B10 value with high demand rate according to SN 31920 • with high demand rate according to SN 31920 • with high demand rate according to SN 31920 • with high demand rate according to SN 31920 • with high demand rate according to SN 31920 100 FIT 11 value for proof test interval or service life according to IEC 61508 protection class IP on the front according to IEC 60529 finger-safe, for vertical contact from the front	— downwards	10 mm		
- forwards 10 mm 10 mm - upwards 6 mm - at the side 6 mm 10	— at the side	0 mm		
- upwards - at the side - downwards 10 mm 6 mm 10 mm 6 for live parts - forwards 10 mm - upwards 10 mm - upwards 10 mm - upwards 10 mm - upwards 10 mm - downwards 10 mm - downwards 10 mm - at the side 6 mm Connections/ Terminals type of electrical connection for auxiliary and control circuit type of connectable conductor cross-sections • for auxiliary contacts - solid or stranded - finely stranded with core end processing - finely stranded without core end processing - finely stranded without core end processing 2x (0.5 2.5 mm²) 2x (0.5 2.5 mm²) • for AWG cables for auxiliary contacts 2x (20 12) Safety related data product function positively driven operation according to IEC 60547-5-1 B10 value with high demand rate according to SN 31920 • with high demand rate according to SN 31920 • with high demand rate according to SN 31920 • with high demand rate according to SN 31920 • with high demand rate according to SN 31920 100 FIT 11 value for proof test interval or service life according to IEC 60529 protection class IP on the front according to IEC 60529 finger-safe, for vertical contact from the front	 for grounded parts 			
- at the side — downwards — 10 mm — 10	— forwards	10 mm		
- downwards • for live parts - forwards - upwards - upwards - downwards - at the side Connections/ Terminals Type of electrical connection for auxiliary and control circuit type of connectable conductor cross-sections • for auxiliary contacts - solid or stranded - finely stranded with core end processing - for AWG cables for auxiliary contacts 2x (0.5 4 mm²) - finely stranded without core end processing - for AWG cables for auxiliary contacts 2x (20 12) Safety related data product function positively driven operation according to IEC 60947-5-1 B10 value with high demand rate according to SN 31920 • with high demand rate according to SN 31920 • with high demand rate according to SN 31920 • with high demand rate according to SN 31920 100 FIT 11 value for proof test interval or service life according to IEC 61508 protection class IP on the front according to IEC 60529 finger-safe, for vertical contact from the front	— upwards	10 mm		
• for live parts — forwards — upwards — downwards — downwards — at the side Connections/ Terminals type of electrical connection for auxiliary and control circuit type of connectable conductor cross-sections • for auxiliary contacts — solid or stranded — finely stranded with core end processing — finely stranded without core end processing — for AWG cables for auxiliary contacts 2x (0.5 2.5 mm²) — for AWG cables for auxiliary contacts 2x (0.5 2.5 mm²) • for AWG ables for auxiliary contacts Product function positively driven operation according to IEC 60547-5-1 B10 value with high demand rate according to SN 31920 • 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 1000 FIT 11 value for proof test interval or service life according to IEC 60529 protection class IP on the front according to IEC 60529 finger-safe, for vertical contact from the front 10 mm 10 mm 10 mm 10 mm 10 mm 6 mm 10 mm 6 mm 10 mm 6 mm 10 mm 6 mm 2x (0.5 4 mm²) 2x (0.5 4 mm²) 2x (0.5 2.5 mm²) 2x (0.5 2	— at the side	6 mm		
- forwards 10 mm - upwards 10 mm - downwards 10 mm - at the side 6 mm Connections/ Terminals Type of electrical connection for auxiliary and control circuit spring-loaded terminals type of connectable conductor cross-sections • for auxiliary contacts - solid or stranded - finely stranded with core end processing 2x (0.5 4 mm²) - finely stranded without core end processing 2x (0.5 2.5 mm²) • for AWG cables for auxiliary contacts 2x (0.5 2.5 mm²) • for AWG cables for auxiliary contacts Product function positively driven operation according to IEC 60547-5-1 B10 value with high demand rate according to SN 31920 • 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 100 FIT T1 value for proof test interval or service life according to IEC 60529 protection class IP on the front according to IEC 60529 finger-safe, for vertical contact from the front	— downwards	10 mm		
- upwards - downwards - at the side Connections/ Terminals type of electrical connection for auxiliary and control circuit type of connectable conductor cross-sections • for auxiliary contacts - solid or stranded - finely stranded with core end processing - finely stranded without core end processing - for AWG cables for auxiliary contacts 2x (0.5 4 mm²) - finely stranded without core end processing - for AWG cables for auxiliary contacts 2x (20 12) Safety related data product function positively driven operation according to IEC 60529 • with ligh demand rate according to SN 31920 • with high demand rate according to SN 31920 100 FIT 11 value for proof test interval or service life according to IEC 60529 protection class IP on the front according to IEC 60529 finger-safe, for vertical contact from the front	• for live parts			
- downwards - at the side Connections/ Terminals type of electrical connection for auxiliary and control circuit spring-loaded terminals type of connectable conductor cross-sections • for auxiliary contacts - solid or stranded - finely stranded with core end processing - finely stranded without core end processing - for AWG cables for auxiliary contacts 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 12) Safety related data product function positively driven operation according to IEC 60947-5-1 B10 value with high demand rate according to SN 31920 • with low demand rate according to SN 31920 • with low demand rate according to SN 31920 • with low demand rate according to SN 31920 • with high demand rate accordin	— forwards	10 mm		
- at the side 6 mm Connections/ Terminals type of electrical connection for auxiliary and control circuit spring-loaded terminals type of connectable conductor cross-sections • for auxiliary contacts - solid or stranded - finely stranded with core end processing - finely stranded without core end processing • for AWG cables for auxiliary contacts 2x (0.5 2.5 mm²) - finely stranded without core end processing • for AWG cables for auxiliary contacts 2x (20 12) Safety related data product function positively driven operation according to IEC 60947-5-1 B10 value with high demand rate according to SN 31920 • 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 100 FIT T1 value for proof test interval or service life according to IEC 61508 protection class IP on the front according to IEC 60529 finger-safe, for vertical contact from the front	— upwards	10 mm		
type of electrical connection for auxiliary and control circuit type of connectable conductor cross-sections • for auxiliary contacts — solid or stranded — finely stranded with core end processing — finely stranded without core end processing — finely stranded without core end processing — for AWG cables for auxiliary contacts 2x (0.5 2.5 mm²) — for AWG cables for auxiliary contacts 2x (20 12) Safety related data product function positively driven operation according to IEC 60947-5-1 B10 value with high demand rate according to SN 31920 • with low demand rate according to SN 31920 • with low demand rate according to SN 31920 100 FIT T1 value for proof test interval or service life according to IEC 61508 protection class IP on the front according to IEC 60529 touch protection on the front according to IEC 60529 finger-safe, for vertical contact from the front	— downwards	10 mm		
type of electrical connection for auxiliary and control circuit type of connectable conductor cross-sections • for auxiliary contacts — solid or stranded — finely stranded with core end processing — finely stranded without core end processing — finely stranded without core end processing — for AWG cables for auxiliary contacts 2x (0.5 2.5 mm²) • for AWG cables for auxiliary contacts 2x (20 12) Safety related data product function positively driven operation according to IEC 60947-5-1 B10 value with high 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 • with high demand rate according to SN 31920 100 FIT T1 value for proof test interval or service life according to IEC 61508 protection class IP on the front according to IEC 60529 touch protection on the front according to IEC 60529 finger-safe, for vertical contact from the front	— at the side	6 mm		
type of connectable conductor cross-sections • for auxiliary contacts — solid or stranded — finely stranded with core end processing — finely stranded without core end processing — finely stranded without core end processing — for AWG cables for auxiliary contacts 2x (20 2.5 mm²) • for AWG cables for auxiliary contacts 2x (20 12) Safety related data product function positively driven operation according to IEC 60947-5-1 B10 value with high demand rate according to SN 31920 • 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 100 FIT T1 value for proof test interval or service life according to IEC 61508 protection class IP on the front according to IEC 60529 touch protection on the front according to IEC 60529 finger-safe, for vertical contact from the front	Connections/ Terminals			
• for auxiliary contacts — solid or stranded — finely stranded with core end processing — finely stranded without core end processing — for AWG cables for auxiliary contacts 2x (20 12) Safety related data product function positively driven operation according to IEC 60947-5-1 B10 value with high demand rate according to SN 31920 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 T1 value for proof test interval or service life according to IEC 61508 protection class IP on the front according to IEC 60529 touch protection on the front according to IEC 60529 finger-safe, for vertical contact from the front	type of electrical connection for auxiliary and control circuit	spring-loaded terminals		
- solid or stranded - finely stranded with core end processing - finely stranded with core end processing - finely stranded without core end processing • for AWG cables for auxiliary contacts 2x (0.5 2.5 mm²) 2x (0.5 2.5 mm²) 2x (20 12) Safety related data product function positively driven operation according to IEC 60947-5-1 B10 value with high demand rate according to SN 31920 1 000 000; With 0.3 x le 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 T1 value for proof test interval or service life according to IEC 61508 protection class IP on the front according to IEC 60529 touch protection on the front according to IEC 60529 finger-safe, for vertical contact from the front	type of connectable conductor cross-sections			
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finely stranded without core end processing • for AWG cables for auxiliary contacts 2x (20 12) Safety related data product function positively driven operation according to IEC 60947-5-1 B10 value with high demand rate according to SN 31920 • 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 • with high demand rate according to SN 31920 100 FIT T1 value for proof test interval or service life according to IEC 61508 protection class IP on the front according to IEC 60529 touch protection on the front according to IEC 60529 finger-safe, for vertical contact from the front	— solid or stranded	2x (0,5 4 mm²)		
For AWG cables for auxiliary contacts Safety related data product function positively driven operation according to IEC 60947-5-1 B10 value with high demand rate according to SN 31920 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 with high demand rate according to SN 31920 failure rate [FIT] with low demand rate according to SN 31920 T1 value for proof test interval or service life according to IEC 61508 protection class IP on the front according to IEC 60529 touch protection on the front according to IEC 60529 finger-safe, for vertical contact from the front	 finely stranded with core end processing 			
product function positively driven operation according to IEC 60947-5-1 B10 value with high demand rate according to SN 31920 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 with high demand rate according to SN 31920 failure rate [FIT] with low demand rate according to SN 31920 T1 value for proof test interval or service life according to IEC 61508 protection class IP on the front according to IEC 60529 touch protection on the front according to IEC 60529 finger-safe, for vertical contact from the front	 finely stranded without core end processing 			
product function positively driven operation according to IEC 60947-5-1 B10 value with high demand rate according to SN 31920 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 failure rate [FIT] with low demand rate according to SN 31920 T1 value for proof test interval or service life according to IEC 61508 protection class IP on the front according to IEC 60529 touch protection on the front according to IEC 60529 finger-safe, for vertical contact from the front	 for AWG cables for auxiliary contacts 	2x (20 12)		
B10 value with high demand rate according to SN 31920 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 failure rate [FIT] with low demand rate according to SN 31920 T1 value for proof test interval or service life according to IEC 61508 protection class IP on the front according to IEC 60529 touch protection on the front according to IEC 60529 finger-safe, for vertical contact from the front	Safety related data			
proportion of dangerous failures • with low demand rate according to SN 31920 • with high demand rate according to SN 31920 failure rate [FIT] with low demand rate according to SN 31920 T1 value for proof test interval or service life according to IEC 61508 protection class IP on the front according to IEC 60529 touch protection on the front according to IEC 60529 finger-safe, for vertical contact from the front		Yes		
 with low demand rate according to SN 31920 with high demand rate according to SN 31920 failure rate [FIT] with low demand rate according to SN 31920 T1 value for proof test interval or service life according to IEC 61508 protection class IP on the front according to IEC 60529 touch protection on the front according to IEC 60529 finger-safe, for vertical contact from the front 	B10 value with high demand rate according to SN 31920	1 000 000; With 0.3 x le		
 with high demand rate according to SN 31920 failure rate [FIT] with low demand rate according to SN 31920 T1 value for proof test interval or service life according to IEC 61508 protection class IP on the front according to IEC 60529 touch protection on the front according to IEC 60529 finger-safe, for vertical contact from the front 	proportion of dangerous failures			
failure rate [FIT] with low demand rate according to SN 31920 T1 value for proof test interval or service life according to IEC 61508 protection class IP on the front according to IEC 60529 touch protection on the front according to IEC 60529 finger-safe, for vertical contact from the front	 with low demand rate according to SN 31920 	40 %		
T1 value for proof test interval or service life according to IEC 61508 protection class IP on the front according to IEC 60529 touch protection on the front according to IEC 60529 finger-safe, for vertical contact from the front	 with high demand rate according to SN 31920 	73 %		
protection class IP on the front according to IEC 60529 touch protection on the front according to IEC 60529 finger-safe, for vertical contact from the front	failure rate [FIT] with low demand rate according to SN 31920	100 FIT		
touch protection on the front according to IEC 60529 finger-safe, for vertical contact from the front		20 a		
	protection class IP on the front according to IEC 60529	IP20		
Certificates/ approvals	touch protection on the front according to IEC 60529	finger-safe, for vertical contact from the front		
	Certificates/ approvals			

General Product Approval



Confirmation





<u>KC</u>



Functional Safety/Safety of Machinery	Declaration of Conformity	Test Certificates
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Type Examination Cer**tificate**





Special Test Certificate

Type Test Certificates/Test Report

Marine / Shipping













Marine / Shipping

Railway **Dangerous Good**



Confirmation



Vibration and Shock

Transport Information

Further information

Siemens has decided to exit the Russian market (see here).

https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business

Siemens is working on the renewal of the current EAC certificates.

Please contact your local Siemens office on the status of validity of the EAC certification if you intend to import or offer to supply these products to an EAC relevant market (other than the sanctioned EAEU member states Russia or Belarus).

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=3RH2271-2BB40

Cax online generator

 $\underline{\text{http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en\&mlfb=3RH2271-2BB40}$

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

https://support.industry.siemens.com/cs/ww/en/ps/3RH2271-2BB40

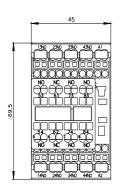
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

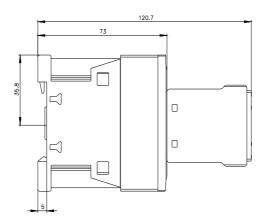
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RH2271-2BB40&lang=en

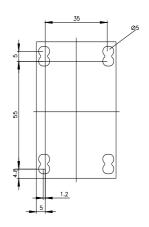
Characteristic: Tripping characteristics, I2t, Let-through current

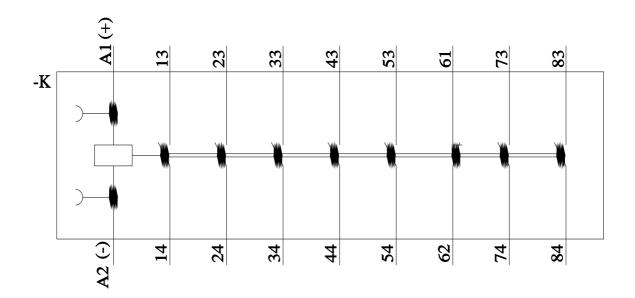
https://support.industry.siemens.com/cs/ww/en/ps/3RH2

Further characteristics (e.g. electrical endurance, switching frequency)
http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RH2271-2BB40&objecttype=14&gridview=view1









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