3RH2344-2AP00-0KA0

Data sheet



Contactor relay, 4 NO + 4 NC, 230 V AC, 50 / 60 Hz, Size S00, spring-type terminal, Removable auxiliary switch EN 50005

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 AC	7,3g / 5 ms, 4,7g / 10 ms
shock resistance with sine pulse	
• at AC	11,4g / 5 ms, 7,3g / 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	AC
control supply voltage at AC	
• at 50 Hz rated value	230 V
at 60 Hz rated value	230 V
control supply voltage frequency	
1 rated value	50 Hz
2 rated value	60 Hz
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

annarent nick-up nower of magnet coil at AC	37 VA
apparent pick-up power of magnet coil at AC	0.8
inductive power factor with closing power of the coil apparent holding power of magnet coil at AC	5.7 VA
inductive power factor with the holding power of the coil	0.25
closing delay	0.23
• at AC	8 33 ms
opening delay	0 00 III0
• at AC	4 15 ms
arcing time	10 15 ms
Auxiliary circuit	
number of NC contacts for auxiliary contacts	4
instantaneous contact	4
number of NO contacts for auxiliary contacts	4
instantaneous contact	4
identification number and letter for switching elements	44 E
operational current at AC-12 maximum	10 A
operational current at AC-15	
at 230 V rated value	6 A
at 400 V rated value	3 A
• at 500 V rated value	2 A
at 690 V rated value	1 A
operational current at 1 current path at DC-12	
at 24 V rated value	10 A
• at 110 V rated value	3 A
at 220 V rated value	1 A
• at 440 V rated value	0.3 A
at 600 V rated value	0.15 A
operational current with 2 current paths in series at DC-12	
• at 24 V rated value	10 A
• at 60 V rated value	10 A
at 110 V rated value	4 A
at 220 V rated value	2 A
at 440 V rated value	1.3 A
at 600 V rated value	0.65 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 110 V rated value	10 A
at 220 V rated value at 440 V rated value	3.6 A
at 440 V rated value at 500 V rated value	2.5 A
at 600 V rated value	1.8 A
operating frequency at DC-12 maximum operational current at 1 current path at DC-13	1 000 1/h
at 24 V rated value	6 A
at 24 v rated value at 110 V rated value	1 A
at 220 V rated value	0.3 A
at 440 V rated value	0.14 A
at 600 V rated value	0.1 A
operational current with 2 current paths in series at DC-13	
at 24 V rated value	10 A
at 60 V rated value	3.5 A
• at 110 V rated value	1.3 A
at 220 V rated value	0.9 A
• at 440 V rated value	0.2 A
at 600 V rated value	0.1 A
operational current with 3 current paths in series at DC-13	
at 24 V rated value	
	10 A
at 60 V rated value	10 A 4.7 A
at 60 V rated valueat 110 V rated value	
	4.7 A

design of the miniature circuit breaker for short-circuit protection of the miniature circuit breaker for short-circuit protection of the suldiery directive to 22V contact rollshifty of auxillary contacts 1 faulty switching per 100 million (17 V, 1 mA)	at 600 V rated value	0.26 A
design of the ministure circuit breaker for short-circuit protection of the auxiliary circuit up to 230 V		
Locate reliability of auxiliary contacts Contact rating of auxiliary contacts according to UL A600 / Q800 Short-circuit protection design of the fuse link for short-circuit protection of the auxiliary switch required Installation mounting dimensions mounting position A7180 rotation possible on vertical mounting surface, can be tilled forward a backward by 47.2 £75 on vertical mounting surface, can be tilled forward a backward by 47.2 £75 on vertical mounting surface, can be tilled forward a backward by 47.2 £75 on vertical mounting surface, can be tilled forward a backward by 47.2 £75 on vertical mounting surface, can be tilled forward a backward by 47.2 £75 on vertical mounting surface, can be tilled forward a backward by 47.2 £75 on vertical mounting surface, can be tilled forward a backward by 47.2 £75 on vertical mounting surface, can be tilled forward a backward by 47.2 £75 on vertical mounting surface, can be tilled forward a backward by 47.2 £75 on vertical mounting surface, can be tilled forward a backward by 47.2 £75 on vertical mounting surface, can be tilled forward a backward by 47.2 £75 on vertical mounting surface, can be tilled forward a backward by 47.2 £75 on vertical mounting surface, can be tilled forward a backward by 47.2 £75 on vertical mounting surface, can be tilled forward a backward by 47.2 £75 on vertical mounting surface, can be tilled forward a backward by 47.2 £75 on vertical mounting surface, can be tilled forward a backward by 47.2 £75 on vertical mounting surface, can be tilled forward a backward by 47.2 £75 on vertical mounting surface, can be tilled forward a backward by 47.2 £75 on vertical mounting surface, can be tilled forward a backward by 47.2 £75 on vertical mounting surface, can be tilled forward a backward by 47.2 £75 on vertical mounting surface, can be tilled forward and surface, can be	design of the miniature circuit breaker for short-circuit protection	
Short-circuit protection design of the Use in kir or short-circuit protection of the auxiliary switch required mounting dimensions mounting position	<u> </u>	1 faulty switching per 100 million (17 V, 1 mA)
Short-circuit protection design of the Use in kir or short-circuit protection of the auxiliary switch required mounting dimensions mounting position		
design of the fuse link for short-circuit protection of the auxiliary surtich required installation mounting dimensions **This standard mounting dimensions** **This standard mounting dimensions** **This standard mounting dimensions** **This standard mounting dimensions** **This standard mounting surface; can be tilled forward a backward by +**22.5" on vertical mounting surface; can be tilled forward a backward by +**22.5" on vertical mounting surface; can be tilled forward a backward by +**22.5" on vertical mounting surface; can be tilled forward a backward by +**22.5" on vertical mounting surface; can be tilled forward a backward by +**22.5" on vertical mounting surface; can be tilled forward a backward by +**22.5" on vertical mounting surface; can be tilled forward a backward by +**22.5" on vertical mounting surface; can be tilled forward a backward by +**22.5" on vertical mounting surface; can be tilled forward a backward by +**22.5" on vertical mounting surface; can be tilled forward a backward by +**22.5" on vertical mounting surface; can be tilled forward a backward by +**22.5" on vertical mounting surface; can be tilled forward a backward by +**22.5" on vertical mounting surface; can be tilled forward a backward by +**22.5" on vertical mounting surface; can be tilled forward a backward by +**22.5" on vertical mounting surface; can be tilled forward a backward by +**22.5" on vertical mounting surface; can be tilled forward a backward by +**22.5" on vertical mounting surface; can be tilled forward a backward by +**22.5" on vertical mounting surface; can be tilled forward a backward by +**22.5" on vertical mounting surface; can be tilled forward a backward by +**22.5" on vertical mounting surface; can be tilled forward and backward by -***22.5" on vertical mounting surface; can be tilled forward and backward by -**** on vertical mounting surface; can be tilled forward and surface; can be tilled forw		A600 / Q600
design of the fuse link for short-circuit protection of the auxillary which required installation mounting dimensions mounting position fastening method screw and snap-on mounting onto 35 mm DIN rail height 70 mm width depth 170 mm vidth 45 mm depth 121 mm required spacing • with side by side mounting — forwards 10 mm — downwards 10 mm — downwards 10 mm — at the side 0 mm • for grounded parts — forwards 10 mm • for live parts — forwards 10 mm — upwards 10 mm • of auxillary contacts — at the side 6 mm Connections/ Tominals Pype of electrical connection for auxillary and control circuit type of connectable conductor cross-sections • for auxillary contacts — solid or stranded — finely stranded with core end processing — finely stranded with core end processing — finely stranded with core end processing — finely stranded with core and processing — finely stranded without core and processing — f		7,000 / 1,000
mounting position 4/1-180** rotation possible on vertical mounting surface; can be tilted forward a backward by 4/-2.25* on vertical mounting surface; can be tilted forward a backward by 4/-2.25* on vertical mounting surface; can be tilted forward a backward by 4/-2.25* on vertical mounting surface; can be tilted forward a backward by 4/-2.25* on vertical mounting surface; can be tilted forward a backward by 4/-2.25* on vertical mounting surface; can be tilted forward a backward by 4/-2.25* on vertical mounting surface; can be tilted forward a backward by 4/-2.25* on vertical mounting surface; can be tilted forward a backward by 4/-2.25* on vertical mounting surface; can be tilted forward a backward by 4/-2.25* on vertical mounting surface; can be tilted forward a backward by 4/-2.25* on vertical mounting surface; can be tilted forward and backward by 4/-2.25* on vertical mounting surface; can be tilted forward a screen and possible on the tilt and possible of tilt and possible on the tilt and possible on the tilt and possible of tilt and possible on the	design of the fuse link for short-circuit protection of the auxiliary	fuse gL/gG: 10 A
backward by +f', 22.5° on vertical mounting surface screw and snap-on mounting onto 35 mm DIN rail height 70 mm vidth 45 mm depth 121 mm required spacing • with side-by-side mounting — forwards 10 mm — upwards 10 mm — downwards 10 mm — of required parts — at the side 0 mm — upwards 10 mm — the side 10 mm — at the side 6 mm — of wards 10 mm — at the side 6 mm — of wards 10 mm — of wards 10 mm — at the side 6 mm — of wards 10 mm — at the side 6 mm — of wards 10 mm — of required parts — forwards 10 mm — of required parts — forwards 10 mm — of required parts — forwards 10 mm — of large parts — forwards 10 mm — of large parts — of wards 10 mm — of large parts — of wards 10 mm — of large parts — of wards 10 mm — of large parts — of wards 10 mm — of the side 6 mm Connections? Terminals bype of electrical connection for auxiliary and control circuit type of connectable conductor cross-sections — of on auxiliary contacts — solid or stranded 2x (0,5 4 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 Soly related data Product function positively driven operation according to IEC 60947 5-1 Bit or large with high demand rate according to SN 31920 100000; With 0.3 x le proportion of dangerous failures — with low demand rate according to SN 31920 100 FIT Tit value for proof test interval or service life according to IEC 60529 protection class IP on the front according to IEC 60529 protection of a protection of the front according to IEC 60529 protection of a protection of	Installation/ mounting/ dimensions	
height width 45 mm depth 121 mm required spacing • with side-by-side mounting — forwards 10 mm — downwards 10 mm — at the side 0 mm — of grounded parts — forwards 10 mm — at the side 6 mm — other wards 10 mm — at the side 6 mm — other wards 10 mm — at the side 6 mm — other wards 10 mm — at the side 6 mm — other wards 10 mm — at the side 6 mm — other wards 10 mm — of live parts — forwards 10 mm — of live parts — forwards 10 mm — other wards 10 mm — other ward	mounting position	+/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface
height width 45 mm depth 121 mm required spacing • with side-by-side mounting — forwards 10 mm — downwards 10 mm — at the side 0 mm — of grounded parts — forwards 10 mm — at the side 6 mm — other wards 10 mm — at the side 6 mm — other wards 10 mm — at the side 6 mm — other wards 10 mm — at the side 6 mm — other wards 10 mm — at the side 6 mm — other wards 10 mm — of live parts — forwards 10 mm — of live parts — forwards 10 mm — other wards 10 mm — other ward	fastening method	screw and snap-on mounting onto 35 mm DIN rail
width 45 mm depth 121 mm required spacing with side-by-side mounting - forwards 10 mm - upwards 10 mm - downwards 10 mm - for grounded parts - forwards - forwards 10 mm - upwards 10 mm - downwards 10 mm - downwards 10 mm - for live parts 10 mm - forwards 10 mm - upwards 10 mm - downwards 10 mm - upwards 10 mm - downwards 10 mm - upwards 10 mm - downwards 10 mm - downwards 10 mm - downwards 20 mm - for live parts 6 mm Connections/ Terminals 10 mm type of electrical connection for auxiliary and control circuit spring-leaded terminals type of connectable conductor cross-sections 6 rawillary contacts 2x (0.5 4 mm²) - solid or stranded 2x (0.5 2.5 mm²)<		
required spacing • with side-by-side mounting — forwards — upwards — downwards — at the side — of grounded parts — forwards — upwards — upwards — upwards — of grounded parts — forwards — upwards — upwards — upwards — upwards — upwards — the side — downwards — of mm — at the side — downwards — of mm — at the side — downwards — of mm — at the side — downwards — of mm — of mm — at the side — downwards — of mm — of mm — of mm — of many and many and control circuit — of many — at the side — downwards — of mm — of mm — of many — of many and control circuit — of many — of many and control circuit — of many — of many and control circuit — of a uxiliary contacts — solid or stranded — finely stranded with core end processing — for auxiliary contacts — for AWG cables for auxiliary contacts — of AWG cables for auxiliary contacts — for AWG cables for auxiliary contacts — of AWG cables for auxiliary contacts — of AWG cables for auxiliary contacts — of the AWG cables fo		45 mm
required spacing • with side-by-side mounting — forwards — upwards — at the side — for grounded parts — forwards — upwards — 10 mm • for grounded parts — forwards — upwards — 10 mm — upwards — upwards — at the side — downwards — at the side — downwards — 10 mm — downwards — for live parts — for live parts — for wards — upwards — 10 mm — downwards — townwards — 10 mm — upwards — townwards — upwards — 10 mm — upwards — townwards — townward		
with side-by-side mounting - forwards - upwards - downwards - downwards - at the side or for grounded parts - forwards - upwards - upwards - upwards - upwards - upwards - upwards - at the side - downwards - at the side - downwards - for live parts - forwards - for live parts - forwards - upwards - downwards - upwards - for live parts - forwards - upwards - downwards - upwards - upwards - the side - downwards - upwards - the side - downwards - to mm - upwards - downwards - to mm - the side - formallas type of electrical connection for auxiliary and control circuit type of oconsectable conductor cross-sections - for auxiliary contacts - solid or stranded - finely stranded with core end processing - for faw Cables for auxiliary contacts - solid or stranded - finely stranded without core end processing - for faw Cables for auxiliary contacts - solid or stranded - finely stranded without core end processing - for faw Cables for auxiliary contacts - solid or stranded - finely stranded without core end processing - for faw Cables for auxiliary contacts - with low deamler at a cacording to SN 31920 - with high demand rate according to SN 31920 - with high de	·	
forwards 10 mm		
- upwards - downwards - downwards - at the side • for grounded parts - forwards - upwards - upwards - downwards - downwards - downwards - downwards - downwards - for live parts - for live parts - for live parts - upwards - upwards - upwards - downwards - for live parts - upwards - downwards - upwards - downwards - downwards - at the side - domn - downwards - at the side - for maxiliary and control circuit type of electrical connection for auxiliary and control circuit type of onnectable conductor cross-sections - for auxiliary contacts - solid or stranded - finely stranded with core end processing - finely stranded with core end processing - finely 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 dut 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 according to SN 31920 - with low demand rate according to IEC 60529 - protection class IP on the front according to IEC 60529 - protection on the front according to IEC 60529 - foretificates/ approvals		10 mm
- downwards - at the side • for grounded parts - forwards - upwards - upwards - at the side - downwards - upwards - downwards - for live parts - forwards - upwards - for live parts - forwards - upwards - downwards - 10 mm - downwards - upwards - 10 mm - downwards - 10 mm - downwards - downwards - downwards - downwards - for live parts - forwards - downwards - downwards - downwards - downwards - downwards - downwards - for live parts - for auxiliary and control circuit - sping-loaded terminals - sping-loaded terminal		
- at the side • for grounded parts - forwards - upwards - upwards - at the side - downwards • for live parts - forwards - upwards • for live parts - forwards - upwards - for live parts - forwards - upwards - forwards - upwards - forwards - upwards - downwards - downwards - downwards - downwards - at the side - formall - at the side - formall - upwards - formall - downwards - downwards - formall - downwards - the side - formall - formall - at the side - formall - the side - formall - formall - for auxiliary and control circuit - solid or stranded - fine auxiliary contacts - solid or stranded - finely stranded with core end processing - for AWG cables for auxiliary contacts - for auxiliary contacts - for auxiliary contacts - for auxiliary contacts - for auxi	·	
• for grounded parts — forwards — upwards — at the side — downwards — 10 mm • for live parts — forwards — upwards — 10 mm • for live parts — forwards — upwards — 10 mm — upwards — downwards — downwards — downwards — at the side — formal the side — spring-loaded terminals		
- forwards		O IIIIII
- upwards - at the side - downwards • for live parts - forwards - upwards - upwards - upwards - downwards - downwards - downwards - downwards - at the side - downwards - at the side - 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 - 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 69047-5-1 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 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 touch protection on the front according to IEC 60529 finger-safe, for vertical contact from the front Cortificates/approvals		40
- at the side - downwards 10 mm • for live parts - forwards 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 spring-loaded 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 (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 AWG cables for auxiliary contacts 2x (0.5 2.5 mm²) - with ligh demand rate according to IEC 1810 value with high demand rate according to SN 31920 - with low de		
- downwards • for live parts - forwards - upwards - downwards - at the side Connections/ Terminals type of electrical connection for auxiliary and control circuit spe 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 (0.5 2.5 mm²) - x (0.5 2.5 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 • with low 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 Cortificates/ approvals	•	
• for live parts — forwards — upwards — 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) — for AWG cables for auxiliary contacts 2x (20 12) Safety related data product function positively driven operation according to IEC 60047-5-1 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 10 on 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 Certificates/ approvals		
- forwards 10 mm 1		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 - finely stranded without core end processing - for AWG cables for auxiliary contacts 2x (0.5 4 mm²) 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 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 touch protection on the front according to IEC 60529 finger-safe, for vertical contact from the front Certificates/ approvals	'	
- 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 - 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 11 value for proof test interval or service life according to IEC 60529 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 Certificates/ approvals		
- 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 2x (0.5 2.5 mm²) - finely stranded without core end processing • for AWG cables for auxiliary contacts 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 • 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 Certificates/ approvals	·	
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) — finely stranded without core end processing — for AWG cables for auxiliary contacts 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 Ie 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 11 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 Certificates/ approvals		
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) 2x (0.5 2.5 mm²) 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 • 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 Certificates/ approvals	*****	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 (0.5 2.5 mm²) 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 1 000 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 Certificates/ approvals	Connections/ Terminals	
• for auxiliary contacts — solid or stranded — finely stranded with core end processing — finely stranded without 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) 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 failure rate [FIT] with low demand rate 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 Certificates/approvals	type of electrical connection for auxiliary and control circuit	spring-loaded terminals
- 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) 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 • 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 Certificates/ approvals	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 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 ■ 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 Certificates/ approvals	for auxiliary contacts	
- 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 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 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 Certificates/ approvals	— solid or stranded	2x (0,5 4 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 Certificates/ approvals	 finely stranded with core end processing 	2x (0.5 2.5 mm²)
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 Certificates/ approvals	 finely stranded without core end processing 	2x (0.5 2.5 mm²)
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 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 Certificates/ approvals	 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 Certificates/ approvals	Safety related data	
proportion of dangerous failures • with low demand rate according to SN 31920 40 % • with high demand rate according to SN 31920 73 % failure rate [FIT] with low demand rate according to SN 31920 100 FIT T1 value for proof test interval or service life according to IEC 61508 20 a 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 Certificates/ approvals		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 Certificates/ approvals 	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 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 Certificates/ approvals 	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 Certificates/ approvals	 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 Certificates/ approvals	 with high demand rate according to SN 31920 	73 %
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 Certificates/ approvals		100 FIT
touch protection on the front according to IEC 60529 finger-safe, for vertical contact from the front Certificates/ approvals	T1 value for proof test interval or service life according to IEC	20 a
touch protection on the front according to IEC 60529 finger-safe, for vertical contact from the front Certificates/ approvals	protection class IP on the front according to IEC 60529	IP20
Certificates/ approvals	·	finger-safe, for vertical contact from the front
·		
General Product Approval		



Confirmation





<u>KC</u>









Type Test Certificates/Test Report Special Test Certificate



Marine / Shipping













other

Railway

Confirmation



Vibration and Shock

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=3RH2344-2AP00-0KA0

Cax online generator

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

https://support.industry.siemens.com/cs/ww/en/ps/3RH2344-2AP00-0KA0

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

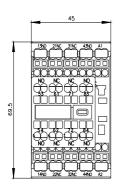
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RH2344-2AP00-0KA0&lang=en

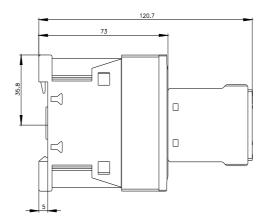
Characteristic: Tripping characteristics, I²t, Let-through current

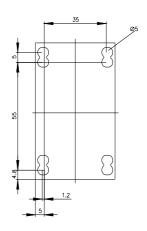
https://support.industry.siemens.com/cs/ww/en/ps/3RH2344-2AP00-0KA0/char

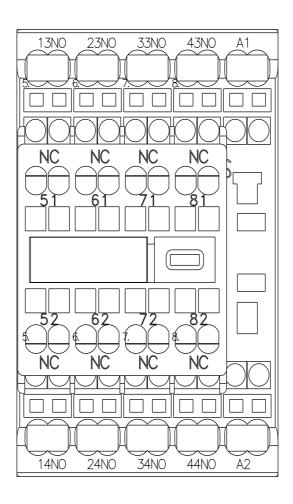
Further characteristics (e.g. electrical endurance, switching frequency)

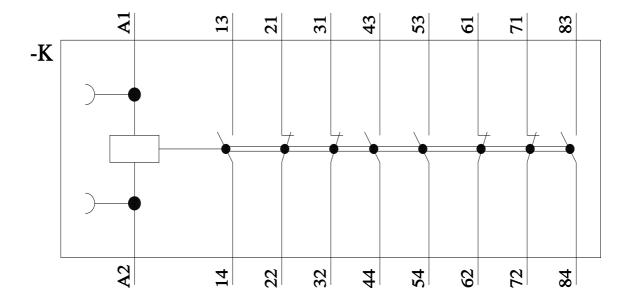
http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RH2344-2AP00-0KA0&objecttype=14&gridview=view1











last modified: 11/21/2022 🖸