SIEMENS

Data sheet

3RH2140-1BP40



Contactor relay, 4 NO, 230 V DC, Size S00, screw terminal

product brand name	SIRIUS
product designation	Auxiliary contactor
product type designation	3RH2
General technical data	
size of contactor	S00
product extension auxiliary switch	Yes
power loss [W] for rated value of the current without load current share typical	4 W
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 	30 000 000
 of the contactor with added electronically optimized auxiliary switch block typical 	5 000 000
 of the contactor with added auxiliary switch block typical 	10 000 000
reference code according to IEC 81346-2	К
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	230 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
opening delay	
● at DC	7 13 ms
arcing time	10 15 ms
Auxiliary circuit	
number of NO contacts for auxiliary contacts	4
 instantaneous contact 	4
identification number and letter for switching elements	40 E
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 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 	3.6 A
• at 440 V rated value	2.5 A
• at 600 V rated value	1.8 A
operating frequency at DC-12 maximum	1 000 1/h
operational current at 1 current path at DC-13	
at 24 V rated value	10 A
• 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	4.7 A
at 110 V rated value	3 A
at 220 V rated value	1.2 A
at 440 V rated value	0.5 A
• at 600 V rated value	0.26 A
operating frequency at DC-13 maximum	1 000 1/h
design of the miniature circuit breaker for short-circuit protection	C characteristic: 6 A; 0.4 kA

active values of cost of a sublay contacts 1 faulty switching per 100 million (17 V, 1 mA) ULCSA straining Aboot 70600 Since clickling of auxiliary contacts 1 faulty switching per 100 million (17 V, 1 mA) ULCSA straining Mode 2000 Since clickling per 100 million (17 V, 1 mA) Mode 2000 Since clickling per 100 million (17 V, 1 mA) Mode 2000 Since clickling per 100 million (17 V, 1 mA) Mode 2000 Since clickling per 100 million (17 V, 1 mA) Mode 2000 Since clickling per 100 million (17 V, 1 mA) Mode 2000 Since clickling per 100 million (17 V, 1 mA) Mode 2000 Since clickling per 100 million (17 V, 1 mA) Mode 2000 Since clickling per 100 million (17 V, 1 mA) Mode 2000 Since clickling per 100 million (17 V, 1 mA) Mode 2000 Since clickling per 100 million (17 V, 1 mA) Mode 2000 Since clickling per 100 million (17 V, 1 mA) Mode 2000 Since clickling per 100 million (17 V, 1 mA) Mode 2000 Since clickling per 100 million (17 V, 1 mA) Mode 2000 Since clickling per 100 million (17 V, 1 mA) Mode 2000 Since clickling per 100 million (17 V, 1 mA) Mode 2000 Since clickling per 100 mill		- t- 000 V/				
ULCEA strategy A600 / C800 Stort-stream protection Fare gLig2: 10 A Marking protection fare gLig2: 10 A						
Contracticity of auxiliary contacts according to UL A800 / C800 Start-stream in the set in the short-circuit protection of the auxiliary autoin provides If all auxiliary differentiation mounting position 4-180° instant position or warried in mounting aurface, can be titled forward a backward by 4-2.25° on warried in mounting aurface. Can be titled forward a backward by 4-2.25° on warried in mounting aurface. mounting position 4-800 / C800 meaning method serve and stap on mounting outo 35 mm DIN rail meight 57.5° mm width 48 mm depth 70 mm required spacing 10 mm - upwards 10 mm - depth 70 mm - depth	-	uxinary contacts		Tradity switching per 100 millio	on (17 V, 1 mA)	
Short-ficult protection fase gL/gG: 10 A weight of the figure in k for short-ficult protection of the auxiliary membring position fast gL/gG: 10 A fast information /						
design of the fitse link for stand-circuit protection of the sundiary with regulards. fitse gL/gG: 10 A installation (mounting dimensions installation (mounting surface: can be liked forward a beckward by +/.25 % on vertical mounting surface: can be liked forward a beckward by +/.25 % on vertical mounting surface: can be liked forward a beckward by +/.25 % on vertical mounting surface: can be liked forward a beckward by +/.25 % on vertical mounting surface: can be liked forward a beckward by +/.25 % on vertical mounting surface: can be liked forward a beckward by +/.25 % on vertical mounting surface: can be liked forward a beckward by +/.25 % on vertical mounting surface: can be liked forward a beckward by +/.25 % on vertical mounting surface: can be liked forward a beckward by +/.25 % on vertical mounting surface: can be liked forward a beckward by +/.25 % on vertical mounting surface: can be liked forward a beckward by +/.25 % on vertical mounting surface: can be liked forward a beckward by +/.25 % on vertical mounting surface: can be liked forward a beckward by +/.25 % on vertical mounting surface: can be liked forward a beckward by +/.25 % on were can be bled forward a beckward by +/.25 % on were can be bled forward a beckward by +/.25 % on were can be bled forward a beckward by +/.25 % on were can be bled forward a beckward by +/.25 % on were can be bled forward a beckward by +/.25 % on were can be bled forward a beckward by +/.25 % on were can be bled forward a beckward by +/.25 % on were can be bled forward a beckward by +/.25 % on were can be bled forward a beckward by +/.25 % on many +/.25 % on were can be bled forward a beckward by +/.25 % on many +	-	iary contacts according	to UL	A600 / Q600		
switch required Parkatalout Anticipation of the control of the co						
Interacting position monthing position +2183* relation possible on vertical mounting surface. and the lited forward a beam of the lited forward a form. Insight 42.65* or vertical mounting onto 35 mm DiV rail Insight 45 mm. dight 73 mm required spacing 10 mm. - downards 10 mm. </td <td></td> <td>or short-circuit protection of</td> <td>of the auxiliary</td> <td>fuse gL/gG: 10 A</td> <td></td> <td></td>		or short-circuit protection of	of the auxiliary	fuse gL/gG: 10 A		
mounting position +1.80° totation possible on vertical mounting surface: can be lifted forward a between the vertical mounting surface: can be lifted forward and surface and the surface and the surface and the surface and the succerding to EC surface and the su		limonoione				
beckward by +2 25 °m vertical mounting surface height 57 mm width 67,5 mm copin 73 mm required spacing 73 mm • withide spacing 10 mm • orwards 10 mm - downwards 10 mm - ownwards 10 mm						
Fastering method screw and snap-on mounting onto 35 mm DNN rail height 45 mm depth 73 mm required spacing 73 mm - Invards 10 mm - Ownwards 10 mm - downwards 10 mm - favaced 10 mm - favaced 10 mm - downwards 10 mm - favaced 10 mm	mounting position					t be tilted forward and
witch 45 mm depth 73 mm required spacing 73 mm • with bide-by-side mounting 73 mm • with bide-by-side mounting 73 mm • with bide-by-side mounting 10 mm • upwards 10 mm • or grounded parts 10 mm • or wards 10 mm<	fastening method					
depth 73 mm required spacing - forwards - with side-by-side mounting 0 mm - downards 10 mm	height			57.5 mm		
required spacing • with side by side mounting • for wards 10 mm - upwards 10 mm 0 mm - upwards 10 mm - downwards 10 mm - downwards 10 mm - downwards 10 mm - upwards 10 mm - onwards 10 mm	width			45 mm		
• with side by-side mounting 0 mm • - forwards 10 mm • - downwards 10 mm • - forwards 0 mm • - otherwards 10 mm • otherwards	depth			73 mm		
• with side by-side mounting 0 mm • - forwards 10 mm • - downwards 10 mm • - forwards 0 mm • - otherwards 10 mm • otherwards	required spacing					
- forwards 10 mm - upwards 00 mm - ownwards 00 mm - or grounded parts 00 mm - upwards 00 mm - upwards 00 mm - upwards 00 mm - upwards 00 mm - ownwards 00 mm - upwards 00 mm - downwards 00 mm - for auxiliary contactal <td></td> <td>mounting</td> <td></td> <td></td> <td></td> <td></td>		mounting				
- odownwards 0 mm	-	0		10 mm		
- downwards 10 mm - a th the side 0 mm • for grounded parts 10 mm - upwards 10 mm - upwards 10 mm - downwards 10 mm - sold of strandel 2x (0.5 1.5 mm ²), 2x (0.75 2.5 mm ²) - for delagerous failure				10 mm		
at the side 0 mm • for grounded parts 0 mm upwards 10 mm at the side 6 mm otherwards 10 mm at the side 6 mm otherwards 10 mm forwards 10 mm otherwards 0 mm otherwards	•			10 mm		
• for grounded parts 0 mm - forwards 0 mm - a the side 6 mm - downwards 10 mm - forwards 10 mm - downwards 10 mm - forwards 10 mm - downwards 10 mm - upwards 00 mm - upwards 2x (0.5 15 mm ²) 2x (0.75 2.5 mm ²) 2x 4 mm ² - for auxiliary contacts 2x (0.5 15 mm						
- forwards 10 mm - upwards 10 mm - at the side 6 mm - downwards 10 mm - for live parts 10 mm - for live parts 10 mm - downwards 20 mm - for conclusite conductor cross-sections 20 mm - for AWG cables for auxiliary contacts		s				
	• ·			10 mm		
- at the side 6 mm - downwards 10 mm • of rive parts 10 mm • or live parts 10 mm - upwards 10 mm - upwards 10 mm - downwards 2 k (0.5 15 mm ²), 2 k (0.75 25 mm ²), 2 k 4 mm ² - finely stranded 2 k (0.5 15 mm ²), 2 k (0.75 25 mm ²), 2 k 4 mm ² - for value with high demand rate according to SN 31920 1 000 000, With 0.3 k le Product function positively driven operation according to SN 31920 1 000 000, With 0.3 k le Product function on the front according to SN 31920 1 00 FIT T value for poor						
	•					
- forwards 10 mm - upwards 10 mm - downwards 10 mm - downwards 10 mm - a the side 6 mm Connections/ Terminals screw-type terminals type of electrical connection for auxiliary and control circuit screw-type terminals up of connectable conductor cross-sections - finely stranded with core end processing - of rauxiliary contacts 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm² - finely stranded with core end processing 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm² - finely stranded with core end processing 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm² 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 40 % - with low demand rate according to IEC 60529 100 FIT T1 value for proof test interval or service life according to IEC 60529 Inger-safe, for vertical contact from the front Cartificates/ approvals Confirmation Cortificates/ approvals Centrel Product Approval Confirmation Cortificates/ approvals Conthimation						
- upwards 10 mm - downwards 0 mm - a the side 6 mm Connectable conductor cross-sections /pe of electrical connection for auxiliary and control circuit screw-type terminals /pe of onectable conductor cross-sections - - solid or stranded 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm² - solid or stranded 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm² - finely stranded with core end processing 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm² - of AVVG cables for auxiliary contacts 2x (20 16), 2x (18 14), 2x 12 Safety related data product function positively driven operation according to IEC Yes B10 value with high demand rate according to SN 31920 1 000 000; With 0.3 x le product function positively driven operation according to SN 31920 - with low demand rate according to SN 31920 73 % failure rate [FT] with low demand rate according to IEC 60529 IP20 - touch protection class IP on the front according to IEC 60529 IP20 touch protection class IP on the front according to IEC 60529 IP20 - touch protection con the front according to IEC 60529 IP20 touch protection class IP on the front according to IEC 60529 Ip20 touch protection class IP on t	•			10 mm		
- downwards 10 mm - a the side 6 mm Connections/Terminals 5 orew-type terminals Type of electrical connection for auxiliary and control circuit screw-type terminals Type of electrical connection for auxiliary and control circuit screw-type terminals Type of electrical connection for auxiliary contacts screw-type terminals - Solid or stranded 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm² - Sile or stranded 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm² - Solid or stranded 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm² - Solid or stranded 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm² - Solid or auxiliary contacts 2x (0.2 16), 2x (18 14), 2x 12 Safety related data product function positively driven operation according to IEC 05947.6-1 B10 value with high demand rate according to SN 31920 1 000 000; With 0.3 x le proportion of dangerous failures 40 % • with high demand rate according to SN 31920 73 % failure rate [FIT] with low demand rate according to IEC 60529 ID0 FIT T1 value for proof test interval or service life according to IEC 60529 Inger.safe, for vertical contact from the front Contigration EC Solid Contact Approval Contigration EC Solid Contact Approval						
at the side 6 mm Connactions/Terminals type of electrical connection for auxiliary and control circuit screw-type terminals Type of connectable conductor cross-sections • for auxiliary contacts - solid or stranded - solid or stranded 2x (0.5 1.5 mm³), 2x (0.75 2.5 mm³), 2x 4 mm³ - finely stranded with core end processing 2x (0.5 1.5 mm³), 2x (0.75 2.5 mm³), 2x 4 mm³ - finely stranded with core end processing 2x (0.5 1.5 mm³), 2x (0.75 2.5 mm³), 2x 4 mm³ - finely stranded with core end processing 2x (0.5 1.5 mm³), 2x (0.75 2.5 mm³), 2x 4 mm³ - finely stranded with core end processing 2x (0.5 1.5 mm³), 2x (0.75 2.5 mm³), 2x 4 mm³ - finely stranded with core end processing 2x (0.5 1.5 mm³), 2x (0.75 2.5 mm³), 2x 4 mm³ - finely stranded with core end processing 2x (0.5 1.5 mm³), 2x (0.75 2.5 mm³), 2x 4 mm³ - finely stranded with core end processing 2x (0.5 1.5 mm³), 2x (0.75 2.5 mm³), 2x 4 mm³ - finely stranded tata 2x (0.5 1.5 mm³), 2x (0.75 2.5 mm³) product function positively driven operation according to IEC 00000; With 0.3 x le proportion of dangerous failures 40 % - with high demand rate according to SN 31920 73 % failure rate [FIT] with how demand rate according to IEC 60529 IP20 touch protection on the front according to IEC 60529 Inge	•					
Connections/ Terminals type of electrical connection for auxiliary and control circuit screw-type terminals type of felectrical connection for auxiliary and control circuit screw-type terminals type of felectrical connection for auxiliary and control circuit screw-type terminals type of felectrical connection for auxiliary contacts - solid or stranded - finely stranded with core end processing - for AWG cables for auxiliary contacts Safety related data product function positively driven operation according to IEC 6947-5-1 B10 value with high demand rate according to SN 31920 1 000 000; With 0.3 x le proportion of dangerous failures • with high demand rate according to SN 31920 100 % • with high demand rate according to SN 31920 100 FIT T1 value for proof test interval or service life according to IEC 60529 IP20 touch protection on the front according to IEC 60529 IP20 touch protection on the front according to IEC 60529 General Product Approval						
type of electrical connection for auxiliary and control circuit screw-type terminals type of connectable conductor cross-sections • for auxiliary contacts						
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 (0.51.5 mm ³), 2x (0.752.5 mm ³) 2x (0.51.5 mm ³), 2x (0.752.5 mm ³) 2x (0.51.5 mm ³), 2x (0.752.5 mm ³) 2x (0.51.5 mm ³), 2x (0.752.5 mm ³) 2x (0.51.5 mm ³), 2x (0.752.5 mm ³) 2x (0.51.5 mm ³), 2x (0.752.5 mm ³) 2x (0.51.5 mm ³), 2x (0.752.5 mm ³) 2x (0.51.5 mm ³), 2x (0.752.5 mm ³) 2x (0.51.5 mm ³), 2x (0.752.5 mm ³) 2x (0.51.5 mm ³), 2x (0.752.5 mm ³) 2x (0.51.5 mm ³), 2x (0.752.5 mm ³) 2x (0.51.5 mm ³), 2x (0.752.5 mm ³) 2x (0.51.5 mm ³), 2x (0.752.5 mm ³) 2x (0.51.5 mm ³), 2x (0.752.5 mm ³) 2x (0.51.5 mm ³), 2x (0.752.5 mm ³) 2x (0.51.5 mm ³), 2x (0.752.5 mm ³) Safety/state eve with low demand rate according to N 31920 100 FIT T value for proof test interval or service life according to IEC 60529 inger-safe, for vertical contact from the front Co			rol circuit	screw-type terminals		
		-				
solid or stranded 2x (0.5 1.5 mm³), 2x (0.75 2.5 mm²), 2x 4 mm² finely stranded with core end processing 2x (0.5 1.5 mm³), 2x (0.75 2.5 mm²) - for AWG cables for auxiliary contacts 2x (0.5 1.5 mm³), 2x (0.75 2.5 mm²) Safety related data 2x (0.5 1.5 mm³), 2x (0.75 2.5 mm²) product function positively driven operation according to IEC 60947.5-1 Yes B10 value with high demand rate according to SN 31920 1 000 000; With 0.3 x le proportion of dangerous failures 40 % • with low demand rate according to SN 31920 1000 FIT T1 value for proof test interval or service life according to IEC 60529 20 a failure rate [FIT] with low demand rate according to IEC 60529 IP20 touch protection on the front according to IEC 60529 IP20 touch protection on the front according to IEC 60529 Inger-safe, for vertical contact from the front Certificates/ approvals Confirmation KC General Product Approvals Confirmation KC EMC Functional Safety/Safety of Ma- Declaration of Conformity Test Certificates						
	-			2x (0.5 1.5 mm²). 2x (0.75	2.5 mm²). 2x 4 mm²	
• for AWG cables for auxiliary contacts 2x (20 16), 2x (18 14), 2x 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 40 % • with high 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 60529 IP20 protection class IP on the front according to IEC 60529 IP20 touch protection on the front according to IEC 60529 Inger-safe, for vertical contact from the front Certificates/ approvals Confirmation KC EEKC Functional Safety/Safety of Ma- Declaration of Conformity			ina			
Safety related data product function positively driven operation according to IEC 0947-5-1 Yes 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 40 % • with high 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 IEC 30 a 100 FIT T1 value for proof test interval or service life according to IEC 60529 20 a protection class IP on the front according to IEC 60529 IP20 touch protection on the front according to IEC 60529 Ip20 touch protection on the front according to IEC 60529 Ip20 Cortificates/ approvals General Product Approval Exc Confirmation Exc Functional Safety/Safety of Ma- Declaration of Conformity Test Certificates	-	-				
product function positively driven operation according to IEC Yes 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 40 % • with high 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 60529 20 a protection class IP on the front according to IEC 60529 IP20 touch protection on the front according to IEC 60529 Ip20 touch protection on the front according to IEC 60529 Ip20 cortificates/ approvals Confirmation Certificates/ approvals KC EMC Functional Safety/Safety of Ma- Declaration of Conformity Test Certificates						
B10 value with high demand rate according to SN 31920 1 000 000; With 0.3 x le proportion of dangerous failures 40 % • with low demand rate according to SN 31920 73 % failure rate [FIT] with low demand rate according to SN 31920 73 % failure for proof test interval or service life according to IEC 60529 100 FIT T1 value for protection on the front according to IEC 60529 IP20 touch protection on the front according to IEC 60529 IP20 touch protection on the front according to IEC 60529 Ip20 certificates/ approvals Emeral Product Approval KC Functional Safety/Safety of Ma- EMC Functional Safety/Safety of Ma-	product function positive	ely driven operation accord	ding to IEC	Yes		
proportion of dangerous failures 40 % • 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 60529 100 FIT T1 value for proof test interval or service life according to IEC 60529 IP20 touch protection on the front according to IEC 60529 IP20 touch protection on the front according to IEC 60529 Ip20 touch protection on the front according to IEC 60529 Ip20 certificates/ approvals Confirmation Certificates/ approvals KC EMC Functional Safety/Safety of Ma- Declaration of Conformity Test Certificates		nand rate according to SN	31920	1 000 000: With 0.3 x le		
• 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 IP20 touch protection on the front according to IEC 60529 Ip20 cortificates/ approvals Confirmation Certificates/ approvals KC General Product Approval EMC Functional Safety/Safety of Ma- Declaration of Conformity						
• 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 20 a protection class IP on the front according to IEC 60529 IP20 touch protection on the front according to IEC 60529 IP20 touch protection on the front according to IEC 60529 IP20 Certificates/ approvals finger-safe, for vertical contact from the front Certificates/ approvals Confirmation Confirmation finger-safe, for vertical contact from the front Functional Confirmation Functional Safety/Safety of Ma- Declaration of Conformity Test Certificates			20	40 %		
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 20 a protection class IP on the front according to IEC 60529 IP20 touch protection on the front according to IEC 60529 IP20 touch protection on the front according to IEC 60529 Inger-safe, for vertical contact from the front Certificates/ approvals General Product Approval Confirmation Confirmation KC EMC Functional Declaration of Conformity Safety/Safety of Ma- Declaration of Conformity		-				
T1 value for proof test interval or service life according to IEC 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 General Product Approval Confirmation Confirmation KC EMC Functional Declaration of Conformity Test Certificates						
touch protection on the front according to IEC 60529 finger-safe, for vertical contact from the front Certificates/ approvals General Product Approval Confirmation Confirmation Cccc UL Functional Safety/Safety of Ma- Declaration of Conformity	T1 value for proof test in			20 a		
touch protection on the front according to IEC 60529 finger-safe, for vertical contact from the front Certificates/ approvals General Product Approval Confirmation KC EMC Functional Safety/Safety of Ma- Declaration of Conformity Test Certificates		the front according to I	EC 60529	IP20		
General Product Approval Confirmation KC Efficient CSA Functional Safety/Safety of Ma- Declaration of Conformity Test Certificates	touch protection on th	e front according to IEC	60529	finger-safe, for vertical contact	from the front	
Confirmation Confirmation Confirmation Confirmation Confirmation Confirmation Confirmation Confirmation Confirmation Confirmation Confirmation Confirmation Confirmation Confirmation Confirmation	Certificates/ approvals	-				
EMC Functional Safety/Safety of Ma- Declaration of Conformity Test Certificates	General Product Appr	roval				
EMC Functional Safety/Safety of Ma- Declaration of Conformity Test Certificates		Confirmation		•	KC	
EMC Safety/Safety of Ma- Declaration of Conformity Test Certificates	(SP)	<u>Communication</u>				EHC
	EMC		Declaration of	Conformity	Test Certificates	

RCM	<u>Type Examination Cer-</u> <u>tificate</u>	UK CA	CE EG-Konf.	<u>Special Test Certific-</u> <u>ate</u>	<u>Type Test Certific-</u> ates/Test Report	
Marine / Shipping						
ABS	BUREAU VERITAS		Lloyd's Register	PRS	RINA	
Marine / Shipping	other		Railway	Dangerous Good	Environment	
RMRS	Confirmation	VDE	Vibration and Shock	Transport Information	Environmental Con- firmations	
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/ci10						

Industry Mall (Online ordering system)

https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RH2140-1BP40

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RH2140-1BP40

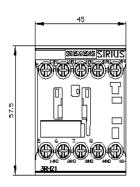
Service&Support industry siemens.com/cs/ww/en/ps/3RH2140-1BP40 Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

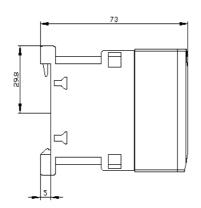
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RH2140-1BP40&lang=en

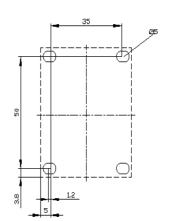
Characteristic: Tripping characteristics, I2t, Let-through current

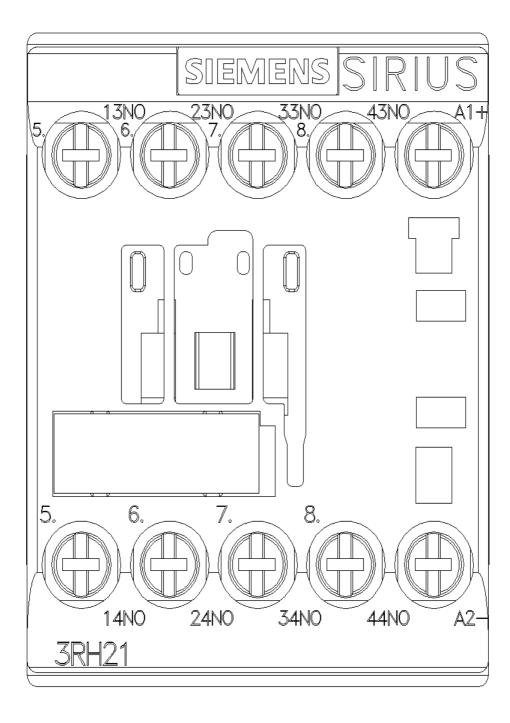
https://support.industry.siemens.com/cs/ww/en/ps/3RH2140-1BP40/char

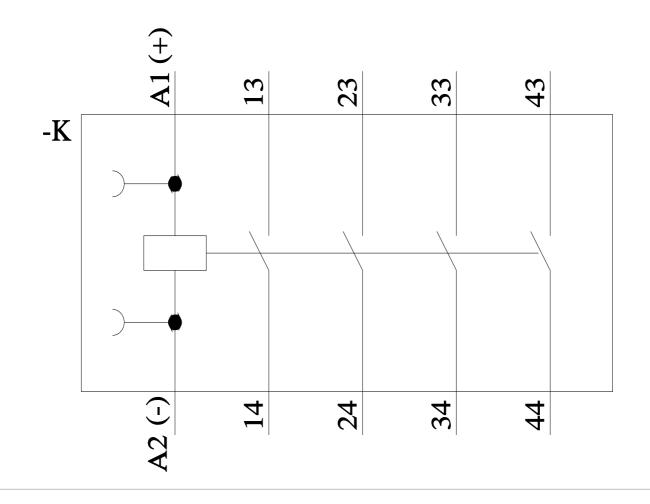
Further characteristics (e.g. electrical endurance, switching frequency) http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RH2140-1BP40&objecttype=14&gridview=view1











last modified:

7/14/2023 🖸

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Siemens: 3RH21401BP40