## **SIEMENS**

Data sheet 3RH2140-1BB40



Contactor relay, 4 NO, 24 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
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 (switching cycles)	
<ul> <li>of contactor typical</li> </ul>	30 000 000
<ul> <li>of the contactor with added electronically optimized auxiliary switch block typical</li> </ul>	5 000 000
<ul> <li>of the contactor with added auxiliary switch block typical</li> </ul>	10 000 000
reference code acc. to IEC 81346-2	K
Substance Prohibitance (Date)	01.10.2009
Ambient conditions	
installation altitude at height above sea level maximum	2 000 m
ambient temperature	
<ul> <li>during operation</li> </ul>	-25 +60 °C
during storage	-55 +80 °C
relative humidity minimum	10 %
relative humidity at 55 °C acc. 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
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

Departing frequency at DC-15 maximum   1000 1/h
design of the miniature circuit breaker for short-circuit protection of the auxiliary contact up to 230 V Contact reliability of auxiliary contacts 1 faulty switching per 100 million (17 V, 1 mA)  UL/GSA ratings  contact rating of auxiliary contacts according to UL Short-circuit protection  design of the fuse link for short-circuit protection of the auxiliary switch required  installation/ mounting/ dimensions  mounting position
design of the miniature circuit breaker for short-circuit protection of the auxiliary contact up to 230 V contact reliability of auxiliary contacts 1 faulty switching per 100 million (17 V, 1 mA)  **UL/CSA ratings**  **Contact rating of auxiliary contacts according to UL Short-circuit protection  design of the fuse link for short-circuit protection of the auxiliary switch required installation/ mounting/ dimensions  **mounting position**  **Tastening method**  **height**  **witch**  **height**  **with depth**  **required spacing**  **with side-by-side mounting**  **with side-by-side mounting**  **a the side 0 nm 0 n
design of the miniature circuit breaker for short-circuit protection of the auxillary contacts and protection of the auxillary contacts and part of the auxillary contacts according to UL and the part of the auxiliary switch required auxiliary switch required auxiliary switch required auxiliary switch required Installation mounting/dimensions  **Mounting position**  **Mounting position**  **Title of the first and part of the auxiliary switch required installation mounting/dimensions**  **mounting position**  **fastening method**  **screw and snap-on mounting onto 35 mm standard mountin height**  **screw and snap-on mounting onto 35 mm standard mountin height**  **screw and snap-on mounting onto 35 mm standard mountin surface; can 10 mm  **depth**  **required spacing**  **with side-by-side mounting**  **with iside-by-side mounting**  **organized and shape and s
design of the miniature circuit breaker for short-circuit protection of the auxiliary contacts  ULCSA ratings  contact rating of auxiliary contacts  ULCSA ratings  contact rating of auxiliary contacts  design of the fuse link for short-circuit protection of the auxiliary switch required inaxiliary switching per 100 million (17 V, 1 mA)  4600 / G600  4600 / G
design of the miniature circuit breaker for short-circuit protection of the auxiliary circuit up to 230 V contact reliability of auxiliary contacts  1 faulty switching per 100 million (17 V, 1 mA)  1 faulty switching per 10 million (
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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  LUCSA ratings  contact rating of auxiliary contacts  LUCSA ratings  contact rating of auxiliary contacts according to UL  Short-circuit protection  design of the fuse link for short-circuit protection of the auxiliary switch required  Installation/ mounting/ dimensions  mounting position  #/-180° rotation possible on vertical mounting surface; can forward and backward by #/- 22.5° on vertical mounting surface; can forward and backward by #/- 22.5° on vertical mounting surface; can forward and backward by #/- 22.5° on vertical mounting surface; can forward snap-on mounting onto 35 mm standard mounting height  ### 57.5 mm  width  ### 45 mm  ### 45 mm  ### 45 mm  ### 45 mm  ### 40 mm  ### 45 mm  ### 40
design of the miniature circuit breaker for short-circuit protection of the auxiliary circuit up to 230 V  contact reliability of auxiliary contacts  1 faulty switching per 100 million (17 V, 1 mA)  UL/CSA ratings  contact rating of auxiliary contacts according to UL  Short-circuit protection  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 forward and backward by +/- 22.5° on vertical mounting surface; can be forward and backward by +/- 22.5° on vertical mounting surface; can be forward and backward by +/- 22.5° on vertical mounting surface; can be forward and backward by +/- 22.5° on vertical mounting surface; can be forward and backward by +/- 22.5° on vertical mounting surface; can be forward and backward by +/- 22.5° on vertical mounting surface; can be forward and backward by +/- 22.5° on vertical mounting surface; can be forward and backward by +/- 22.5° on vertical mounting surface; can be forward and backward by +/- 22.5° on vertical mounting surface; can be forward and backward by +/- 22.5° on vertical mounting surface; can be forward and backward by +/- 22.5° on vertical mounting surface; can be forward and backward by +/- 22.5° on vertical mounting surface; can be forward and backward by +/- 22.5° on vertical mounting surface; can be forward and backward by +/- 22.5° on vertical mounting surface; can be forward and backward by +/- 22.5° on vertical mounting surface; can be forward and backward by +/- 22.5° on vertical mounting surface; can be forward and backward by +/- 22.5° on vertical mounting surface; can be forward and backward by +/- 22.5° on vertical mounting surface; can be forward and backward by +/- 22.5° on vertical mounting surface; can be forward and backward by +/- 22.5° on vertical mounting surface; can be forward and backward by +/- 22.5° on vertical mounting surface; can be forward and backward by +/- 22.5° on vertical mounting surface; can be forward and backward
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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  UL/CSA ratings  contact rating of auxiliary contacts according to UL  A600 / Q600  Short-circuit protection  design of the fuse link for short-circuit protection of the auxiliary switch required  Installation/ mounting/ dimensions  mounting position  fuse gL/gG: 10 A  **/-180" rotation possible on vertical mounting surface; can be forward and backward by +/- 22.5" on vertical mounting surface; can be forward and backward by +/- 22.5" on vertical mounting surface; can be forward and backward by +/- 22.5" on vertical mounting surface; can be forward and backward by +/- 22.5" on vertical mounting surface; can be forward and backward by +/- 22.5" on vertical mounting surface; can be forward and backward by +/- 22.5" on vertical mounting surface; can be forward and backward by +/- 22.5" on vertical mounting surface; can be forward and backward by +/- 22.5" on vertical mounting surface; can be forward and backward by +/- 22.5" on vertical mounting surface; can be forward and backward by +/- 22.5" on vertical mounting surface; can be forward and backward by +/- 22.5" on vertical mounting surface; can be forward and backward by +/- 22.5" on vertical mounting surface; can be forward and backward by +/- 22.5" on vertical mounting surface; can be forward and backward by +/- 22.5" on vertical mounting surface; can be forward and backward by +/- 22.5" on vertical mounting surface; can be forward and backward by +/- 22.5" on vertical mounting surface; can be forward and backward by +/- 22.5" on vertical mounting surface; can be forward and backward by +/- 22.5" on vertical mounting surface; can be forward and backward by +/- 22.5" on vertical mounting surface; can be forward and backward by +/- 22.5" on vertical mounting surface; can be forward and backward by +/- 22.5" on vertical mounting surface; can be forward and backward by +/- 22.5" on vertical mounting surface; can be f
design of the miniature circuit breaker for short-circuit protection of the auxiliary circuit up to 230 V  contact reliability of auxiliary contacts  LL/CSA ratings  contact rating of auxiliary contacts according to UL  Short-circuit protection  design of the fuse link for short-circuit protection of the auxiliary switch required  Installation/ mounting/ dimensions  mounting position  fastening method  height  width  depth  required spacing  • with side-by-side mounting  — downwards — at the side  • for grounded parts — forwards — upwards — at the side  6 mm
design of the miniature circuit breaker for short-circuit protection of the auxiliary circuit up to 230 V  contact reliability of auxiliary contacts  1 faulty switching per 100 million (17 V, 1 mA)  UL/CSA ratings  contact rating of auxiliary contacts according to UL  Short-circuit protection  design of the fuse link for short-circuit protection of the auxiliary switch required  Installation/ mounting/ dimensions  mounting position  +/-180° rotation possible on vertical mounting surface; can I forward and backward by +/- 22.5° on vertical mounting sur fastening method  screw and snap-on mounting onto 35 mm standard mountin height  vidth  45 mm  depth  73 mm  required spacing  • with side-by-side mounting  — forwards — upwards — downwards — at the side  • for grounded parts — forwards — upwards — upwards — upwards — upwards — upwards — upwards — to mm  10 mm  • of mm  • forwards — upwards — to mm  10 mm  • forwards — upwards — upward
design of the miniature circuit breaker for short-circuit protection of the auxiliary circuit up to 230 V  contact reliability of auxiliary contacts  1 faulty switching per 100 million (17 V, 1 mA)  UL/CSA ratings  contact rating of auxiliary contacts according to UL  Short-circuit protection  design of the fuse link for short-circuit protection of the auxiliary switch required  Installation/ mounting/ dimensions  mounting position  +/-180° rotation possible on vertical mounting surface; can be forward and backward by +/- 22.5° on vertical mounting surface; can be forward and backward by +/- 22.5° on vertical mounting surface; can be forward and backward by +/- 22.5° on vertical mounting surface; can be forward and backward by +/- 22.5° on vertical mounting surface; can be forward and backward by +/- 22.5° on vertical mounting surface; can be forward and backward by +/- 22.5° on vertical mounting surface; can be forward and backward by +/- 22.5° on vertical mounting surface; can be forward and backward by +/- 22.5° on vertical mounting surface; can be forward and backward by +/- 22.5° on vertical mounting surface; can be forward and backward by +/- 22.5° on vertical mounting surface; can be forward and backward by +/- 22.5° on vertical mounting surface; can be forward and backward by +/- 22.5° on vertical mounting surface; can be forward and backward by +/- 22.5° on vertical mounting surface; can be forward and backward by +/- 22.5° on vertical mounting surface; can be forward and backward by +/- 22.5° on vertical mounting surface; can be forward and backward by +/- 22.5° on vertical mounting surface; can be forward and backward by +/- 22.5° on vertical mounting surface; can be forward and backward by +/- 22.5° on vertical mounting surface; can be forward and backward by +/- 22.5° on vertical mounting surface; can be forward and backward by +/- 22.5° on vertical mounting surface; can be forward and backward by +/- 22.5° on vertical mounting surface; can be forward and backward by +/- 22.5° on vertical mounting
design of the miniature circuit breaker for short-circuit protection of the auxiliary circuit up to 230 V  contact reliability of auxiliary contacts  1 faulty switching per 100 million (17 V, 1 mA)  UL/CSA ratings  contact rating of auxiliary contacts according to UL  Short-circuit protection  design of the fuse link for short-circuit protection of the auxiliary switch required  Installation/ mounting/ dimensions  mounting position  fastening method  height  width  depth  required spacing  • with side-by-side mounting  — forwards — upwards — downwards — at the side • for grounded parts  C characteristic: 6 A; 0.4 kA  C characteristic: 6 A; 0.4 kA  (C characteristic: 6 A; 0.4 kA  (A characteristic: 6 A; 0.4 kA  (C characteristic: 6 A; 0.4 kA  (C characteristic: 6 A; 0.4 kA  (C characteristic: 6 A; 0.4 kA  (A characteristic: 6 A; 0.4 kA  (A characteristic: 6 A; 0.4 kA  (I characteristic: 6 A; 0.4 kA  (A characteristic: 10 million (17 V, 1 mA)  (A characteristic: 10 million (12 V, 1 mA)  (A characteristic: 10 million
design of the miniature circuit breaker for short-circuit protection of the auxiliary circuit up to 230 V  contact reliability of auxiliary contacts  1 faulty switching per 100 million (17 V, 1 mA)  UL/CSA ratings  contact rating of auxiliary contacts according to UL  Short-circuit protection  design of the fuse link for short-circuit protection of the auxiliary switch required  Installation/ mounting/ dimensions  mounting position  fastening method  height  for short-circuit protection of the save and snap-on mounting onto 35 mm standard mounting surface; can be forward and backward by +/- 22.5° on vertical mounting surface; can be forward and backward by +/- 35 mm  width  depth  73 mm  required spacing  with side-by-side mounting  forwards  upwards  downwards  downwards  design of the fuse link for short-circuit protection of the fuse gL/gG: 10 A  screw and snap-on vertical mounting surface; can be forward and backward by +/- 22.5° on vertical mounting surface; can be forward and backward by +/- 22.5° on vertical mounting surface; can be forward and backward by +/- 22.5° on vertical mounting surface; can be forward and backward by +/- 22.5° on vertical mounting surface; can be forward and backward by +/- 22.5° on vertical mounting surface; can be forward and backward by +/- 22.5° on vertical mounting surface; can be forward and backward by +/- 22.5° on vertical mounting surface; can be forward and backward by +/- 22.5° on vertical mounting surface; can be forward and backward by +/- 22.5° on vertical mounting surface; can be forward and backward by +/- 22.5° on vertical mounting surface; can be forward and backward by +/- 22.5° on vertical mounting surface; can be forward and backward by +/- 22.5° on vertical mounting surface; can be forward and backward by +/- 22.5° on vertical mounting surface; can be forward and backward by +/- 22.5° on vertical mounting surface; can be forward and backward by +/- 22.5° on vertical mounting surface; can be forward and backward by +/- 22.5° on vertical mounting surface; can
design of the miniature circuit breaker for short-circuit protection of the auxiliary circuit up to 230 V  contact reliability of auxiliary contacts  1 faulty switching per 100 million (17 V, 1 mA)  UL/CSA ratings  contact rating of auxiliary contacts according to UL  Short-circuit protection  design of the fuse link for short-circuit protection of the auxiliary switch required  Installation/ mounting/ dimensions  mounting position  fastening method  height  screw and snap-on mounting onto 35 mm standard mounting height  width  depth  required spacing  with side-by-side mounting  — forwards — upwards — downwards  10 mm  10 mm  10 mm
design of the miniature circuit breaker for short-circuit protection of the auxiliary circuit up to 230 V  contact reliability of auxiliary contacts  1 faulty switching per 100 million (17 V, 1 mA)  UL/CSA ratings  contact rating of auxiliary contacts according to UL  Short-circuit protection  design of the fuse link for short-circuit protection of the auxiliary switch required  Installation/ mounting/ dimensions  mounting position  fastening method  height  width  depth  required spacing  with side-by-side mounting  — forwards — upwards  C characteristic: 6 A; 0.4 kA  I faulty switching per 100 million (17 V, 1 mA)  L faulty switching per 100 million (17 V, 1 mA)  L faulty switching per 100 million (17 V, 1 mA)  Fuse part of auxiliary contacts  The faulty switching per 100 million (17 V, 1 mA)  L faulty switching per 100 million (17 V, 1 mA)  L faulty switching per 100 million (17 V, 1 mA)  L faulty switching per 100 million (17 V, 1 mA)  L faulty switching per 100 million (17 V, 1 mA)  L faulty switching per 100 million (17 V, 1 mA)  L faulty switching per 100 million (17 V, 1 mA)  L faulty switching per 100 million (17 V, 1 mA)  L faulty switching per 100 million (17 V, 1 mA)  L faulty switching per 100 million (17 V, 1 mA)  L faulty switching per 100 million (17 V, 1 mA)  L faulty switching per 100 million (17 V, 1 mA)  L faulty switching per 100 million (17 V, 1 mA)  L faulty switching per 100 million (17 V, 1 mA)  L faulty switching per 100 million (17 V, 1 mA)  L faulty switching per 100 million (17 V, 1 mA)  L faulty switching per 100 million (17 V, 1 mA)  L faulty switching per 100 million (17 V, 1 mA)  L faulty switching per 100 million (17 V, 1 mA)  L faulty switching per 100 million (17 V, 1 mA)
design of the miniature circuit breaker for short-circuit protection of the auxiliary circuit up to 230 V  contact reliability of auxiliary contacts  1 faulty switching per 100 million (17 V, 1 mA)  UL/CSA ratings  contact rating of auxiliary contacts according to UL  Short-circuit protection  design of the fuse link for short-circuit protection of the auxiliary switch required  Installation/ mounting/ dimensions  mounting position  fastening method  height  fastening method  height  forward and backward by +/- 22.5° on vertical mounting surface; can be forward and backward by +/- 22.5° on vertical mounting surface; can be forward and backward by +/- 35.5 mm  width  depth  required spacing  with side-by-side mounting  forwards  10 mm
design of the miniature circuit breaker for short-circuit protection of the auxiliary circuit up to 230 V  contact reliability of auxiliary contacts  1 faulty switching per 100 million (17 V, 1 mA)  UL/CSA ratings  contact rating of auxiliary contacts according to UL  Short-circuit protection  design of the fuse link for short-circuit protection of the auxiliary switch required  Installation/ mounting/ dimensions  mounting position  fuse gL/gG: 10 A  **/-180° rotation possible on vertical mounting surface; can be forward and backward by +/- 22.5° on vertical mounting surface; can be forward and backward by +/- 22.5° on vertical mounting surface; can be forward and backward by +/- 23.5° on vertical mounting surface; can be forward and backward by +/- 23.5° on vertical mounting surface; can be forward and backward by +/- 23.5° on vertical mounting surface; can be forward and backward by +/- 23.5° on vertical mounting surface; can be forward and backward by +/- 23.5° on vertical mounting surface; can be forward and backward by +/- 23.5° on vertical mounting surface; can be forward and backward by +/- 23.5° on vertical mounting surface; can be forward and backward by +/- 23.5° on vertical mounting surface; can be forward and backward by +/- 23.5° on vertical mounting surface; can be forward and backward by +/- 23.5° on vertical mounting surface; can be forward and backward by +/- 23.5° on vertical mounting surface; can be forward and backward by +/- 23.5° on vertical mounting surface; can be forward and backward by +/- 23.5° on vertical mounting surface; can be forward and backward by +/- 23.5° on vertical mounting surface; can be forward and backward by +/- 23.5° on vertical mounting surface; can be forward and backward by +/- 23.5° on vertical mounting surface; can be forward and backward by +/- 23.5° on vertical mounting surface; can be forward and backward by +/- 23.5° on vertical mounting surface; can be forward and backward by +/- 23.5° on vertical mounting surface; can be forward and backward by +/- 23.5° on
design of the miniature circuit breaker for short-circuit protection of the auxiliary circuit up to 230 V  contact reliability of auxiliary contacts  1 faulty switching per 100 million (17 V, 1 mA)  UL/CSA ratings  contact rating of auxiliary contacts according to UL  Short-circuit protection  design of the fuse link for short-circuit protection of the auxiliary switch required  Installation/ mounting/ dimensions  mounting position  fastening method  height  ying  fastening  fastening  width  depth  73 mm  required spacing
design of the miniature circuit breaker for short-circuit protection of the auxiliary circuit up to 230 V  contact reliability of auxiliary contacts  1 faulty switching per 100 million (17 V, 1 mA)  UL/CSA ratings  contact rating of auxiliary contacts according to UL  Short-circuit protection  design of the fuse link for short-circuit protection of the auxiliary switch required  Installation/ mounting/ dimensions  mounting position  fastening method  height  vidth  45 mm  depth  C characteristic: 6 A; 0.4 kA  Provided Short-Circuit protection of the part of the part of the provided success of th
design of the miniature circuit breaker for short-circuit protection of the auxiliary circuit up to 230 V  contact reliability of auxiliary contacts  1 faulty switching per 100 million (17 V, 1 mA)  UL/CSA ratings  contact rating of auxiliary contacts according to UL  Short-circuit protection  design of the fuse link for short-circuit protection of the auxiliary switch required  Installation/ mounting/ dimensions  mounting position  +/-180° rotation possible on vertical mounting surface; can be forward and backward by +/- 22.5° on vertical mounting surface; can be forward and snap-on mounting onto 35 mm standard mounting height  width  45 mm
design of the miniature circuit breaker for short-circuit protection of the auxiliary circuit up to 230 V  contact reliability of auxiliary contacts  1 faulty switching per 100 million (17 V, 1 mA)  UL/CSA ratings  contact rating of auxiliary contacts according to UL  Short-circuit protection  design of the fuse link for short-circuit protection of the auxiliary switch required  Installation/ mounting/ dimensions  mounting position  fuse gL/gG: 10 A  +/-180° rotation possible on vertical mounting surface; can be forward and backward by +/- 22.5° on vertical mounting surface; can be forward and backward by +/- 22.5° on vertical mounting surface; can be forward and shappen mounting onto 35 mm standard mounting height  57.5 mm
design of the miniature circuit breaker for short-circuit protection of the auxiliary circuit up to 230 V  contact reliability of auxiliary contacts  1 faulty switching per 100 million (17 V, 1 mA)  LL/CSA ratings  contact rating of auxiliary contacts according to UL  Short-circuit protection  design of the fuse link for short-circuit protection of the auxiliary switch required  Installation/ mounting/ dimensions  mounting position  fastening method  C characteristic: 6 A; 0.4 kA  1 faulty switching per 100 million (17 V, 1 mA)  A600 / Q600  Fuse gL/gG: 10 A  **T-180° rotation possible on vertical mounting surface; can be forward and backward by +/- 22.5° on vertical mounting surface; can be forward and backward by +/- 22.5° on vertical mounting surface; can be forward and shappen mounting onto 35 mm standard mounting surface)
design of the miniature circuit breaker for short-circuit protection of the auxiliary circuit up to 230 V  contact reliability of auxiliary contacts  LL/CSA ratings  contact rating of auxiliary contacts according to UL  Short-circuit protection  design of the fuse link for short-circuit protection of the auxiliary switch required  Installation/ mounting/ dimensions  mounting position  C characteristic: 6 A; 0.4 kA  1 faulty switching per 100 million (17 V, 1 mA)  A600 / Q600  Short-circuit protection  fuse gL/gG: 10 A  +/-180° rotation possible on vertical mounting surface; can be forward and backward by +/- 22.5° on vertical mounting surface; can be forward and backward by +/- 22.5° on vertical mounting surface;
design of the miniature circuit breaker for short-circuit protection of the auxiliary circuit up to 230 V  contact reliability of auxiliary contacts  1 faulty switching per 100 million (17 V, 1 mA)  UL/CSA ratings  contact rating of auxiliary contacts according to UL  Short-circuit protection  design of the fuse link for short-circuit protection of the auxiliary switch required  Installation/ mounting/ dimensions
design of the miniature circuit breaker for short-circuit protection of the auxiliary circuit up to 230 V  contact reliability of auxiliary contacts  1 faulty switching per 100 million (17 V, 1 mA)  UL/CSA ratings  contact rating of auxiliary contacts according to UL  Short-circuit protection  design of the fuse link for short-circuit protection of the auxiliary switch required  fuse gL/gG: 10 A
design of the miniature circuit breaker for short-circuit protection of the auxiliary circuit up to 230 V  contact reliability of auxiliary contacts  LL/CSA ratings  contact rating of auxiliary contacts according to UL  Short-circuit protection  design of the fuse link for short-circuit protection of the fuse gL/gG: 10 A
design of the miniature circuit breaker for short-circuit protection of the auxiliary circuit up to 230 V  contact reliability of auxiliary contacts  1 faulty switching per 100 million (17 V, 1 mA)  UL/CSA ratings  contact rating of auxiliary contacts according to UL  A600 / Q600
design of the miniature circuit breaker for short-circuit protection of the auxiliary circuit up to 230 V  contact reliability of auxiliary contacts  1 faulty switching per 100 million (17 V, 1 mA)  UL/CSA ratings
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 of the auxiliary circuit up to 230 V
design of the miniature circuit breaker for short-circuit C characteristic: 6 A; 0.4 kA
operating frequency at DC-13 maximum 1 000 1/h
• at 600 V rated value 0.26 A
• at 440 V rated value 0.5 A
• at 220 V rated value 1.2 A
• at 110 V rated value 3 A







<u>KC</u>





**Functional** Safety/Safety of Machinery

**Declaration of Conformity** 

**Test Certificates** 

Type Examination Certificate



**UK Declaration of** Conformity

Type Test Certificates/Test Report

Special Test Certificate

**Miscellaneous** 

## Marine / Shipping













Marine / Shipping

other

**Dangerous Good** 



Confirmation



Transport Information

## **Further information**

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=3RH2140-1BB40

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RH2140-1BB40

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

https://support.industry.siemens.com/cs/ww/en/ps/3RH2140-1BB40

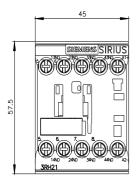
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

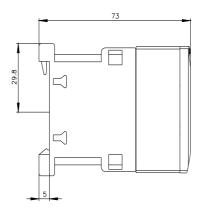
http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RH2140-1BB40&lang=en

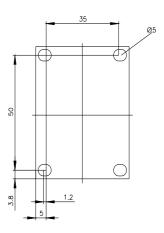
Characteristic: Tripping characteristics, I2t, Let-through current

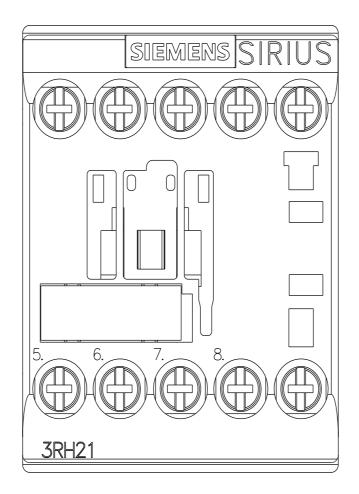
https://support.industry.siemens.com/cs/ww/en/ps/3RH2140-1BB40/char

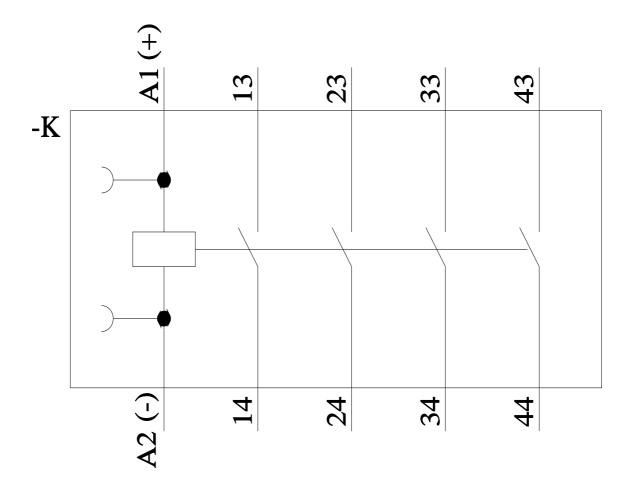
Further characteristics (e.g. electrical endurance, switching frequency) <a href="http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RH2140-1BB40&objecttype=14&gridview=view1">http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RH2140-1BB40&objecttype=14&gridview=view1</a>











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