



Figure similar

Contactor relay, 4 NO + 4 NC Attachable block, captive 24 V DC size S00  
Screw terminal size S00 !!! Phased-out product !!! Successor is SIRIUS  
3RH2 Preferred successor type is >>3RH2244-1BB40<<

<b>product brand name</b>	SIRIUS
<b>product designation</b>	Auxiliary contactor
<b>General technical data</b>	
<b>size of contactor</b>	S00
product extension auxiliary switch	No
insulation voltage with degree of pollution 3 at AC rated value	690 V
<b>degree of pollution</b>	3
<b>surge voltage resistance rated value</b>	6 kV
protection class IP on the front	IP20
<b>shock resistance</b>	10g / 5 ms and 5g / 10 ms
<b>mechanical service life (switching cycles)</b>	
• of contactor typical	10 000 000
<b>reference code acc. to IEC 81346-2</b>	K
Substance Prohibitance (Date)	01.07.2006 00:00:00
<b>Ambient conditions</b>	
installation altitude at height above sea level maximum	2 000 m
<b>ambient temperature</b>	
• during operation	-25 ... +60 °C
• during storage	-55 ... +80 °C
• during transport	-55 ... +80 °C
<b>Control circuit/ Control</b>	
<b>type of voltage of the control supply voltage</b>	DC
<b>control supply voltage at DC</b>	
• rated value	24 V
<b>operating range factor control supply voltage rated value of magnet coil at DC</b>	
• initial value	0.8
• full-scale value	1.1
<b>closing power of magnet coil at DC</b>	3.2 W
<b>holding power of magnet coil at DC</b>	3.2 W
<b>Auxiliary circuit</b>	
<b>number of NC contacts for auxiliary contacts</b>	4
• instantaneous contact	4
• delayed switching	0
• lagging switching	0
• make-before-break switching	0

<b>number of NO contacts for auxiliary contacts</b>	4	
<ul style="list-style-type: none"> <li>instantaneous contact</li> <li>delayed switching</li> <li>leading contact</li> <li>make-before-break switching</li> </ul>	4 0 0 0	
<b>number of CO contacts</b>		
<ul style="list-style-type: none"> <li>for auxiliary contacts</li> <li>of auxiliary contacts instantaneous contact</li> </ul>	0 0	
<b>identification number and letter for switching elements</b>	44 E	
operational current at AC-12 maximum	10 A	
<b>operational current at AC-15</b>		
<ul style="list-style-type: none"> <li>at 230 V rated value</li> <li>at 400 V rated value</li> <li>at 500 V rated value</li> <li>at 690 V rated value</li> </ul>	6 A 3 A 2 A 1 A	
<b>operational current at 1 current path at DC-12</b>		
<ul style="list-style-type: none"> <li>at 24 V rated value</li> <li>at 110 V rated value</li> <li>at 220 V rated value</li> </ul>	10 A 3 A 1 A	
<b>operational current at 1 current path at DC-13</b>		
<ul style="list-style-type: none"> <li>at 24 V rated value</li> <li>at 110 V rated value</li> <li>at 220 V rated value</li> </ul>	10 A 1 A 0.27 A	
<b>contact reliability of auxiliary contacts</b>	1 faulty switching per 100 million (17 V, 1 mA)	
<b>Short-circuit protection</b>		
design of the fuse link for short-circuit protection of the auxiliary switch required	fuse gL/gG: 10 A	
<b>Installation/ mounting/ dimensions</b>		
<b>mounting position</b>	+/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface	
<b>fastening method</b>	screw and snap-on mounting	
<b>height</b>	57.5 mm	
<b>width</b>	45 mm	
<b>depth</b>	111 mm	
required spacing with side-by-side mounting at the side	0 mm	
<b>Connections/ Terminals</b>		
type of electrical connection for auxiliary and control circuit	screw-type terminals	
<b>type of connectable conductor cross-sections</b>		
<ul style="list-style-type: none"> <li>for auxiliary contacts <ul style="list-style-type: none"> <li>— solid</li> <li>— finely stranded with core end processing</li> </ul> </li> <li>at AWG cables for auxiliary contacts</li> </ul>	2x (0.5 ... 1.5 mm <sup>2</sup> ), 2x (0.75 ... 2.5 mm <sup>2</sup> ), 2x 4 mm <sup>2</sup> 2x (0.5 ... 1.5 mm <sup>2</sup> ), 2x (0.75 ... 2.5 mm <sup>2</sup> ) 2x (20 ... 16), 2x (18 ... 14), 1x 12	
<b>Safety related data</b>		
B10 value with high demand rate acc. to SN 31920	1 000 000; With 0.3 x I <sub>e</sub>	
<b>proportion of dangerous failures</b>		
<ul style="list-style-type: none"> <li>with low demand rate acc. to SN 31920</li> <li>with high demand rate acc. to SN 31920</li> </ul>	40 % 75 %	
<b>T1 value for proof test interval or service life acc. to IEC 61508</b>	20 y	
<b>touch protection against electrical shock</b>	finger-safe	
<b>contact reliability</b>	one incorrect switching operation of 100 million switching operations (17 V, 1 mA)	
<b>Certificates/ approvals</b>		
<b>General Product Approval</b>	<b>Functional Safety/Safety of Machinery</b>	<b>Declaration of Conformity</b>



[Type Examination Certificate](#)



EG-Konf.

Declaration of Conformity	Test Certificates	Marine / Shipping
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[UK Declaration of Conformity](#)

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[Confirmation](#)

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### 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=3RH1244-1BB40>

Cax online generator

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RH1244-1BB40>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3RH1244-1BB40>

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

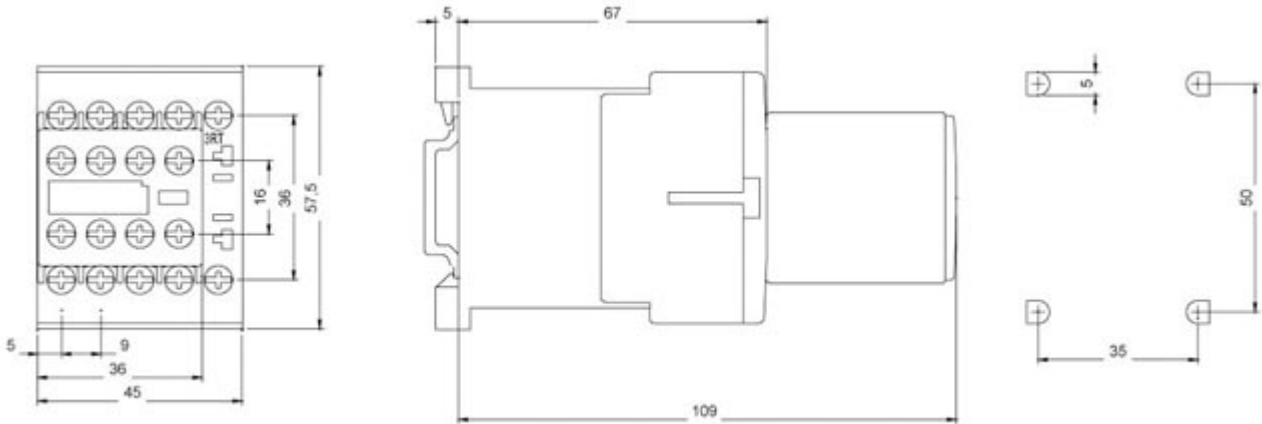
[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3RH1244-1BB40&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RH1244-1BB40&lang=en)

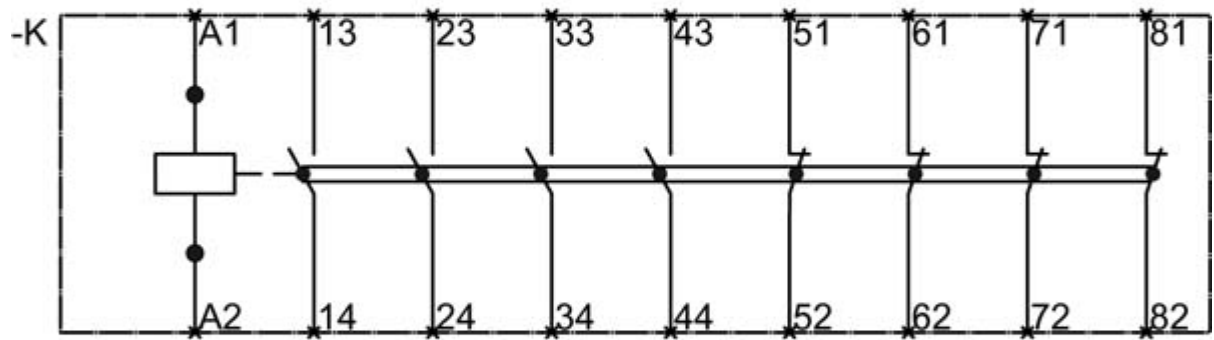
Characteristic: Tripping characteristics, I<sub>t</sub>, Let-through current

<https://support.industry.siemens.com/cs/ww/en/ps/3RH1244-1BB40/char>

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

<http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RH1244-1BB40&objecttype=14&gridview=view1>





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