

Contactor relay, 5 NO + 3 NC 125 V DC Screw terminal size S00 Plugged-on varistor 2 NO + 2 NC basic unit EN 50005 !!! Phased-out product !!!  
 Successor is SIRIUS 3RH2 Preferred successor type is >>3RH2353-1DG40-0KA0<<

<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 (operating cycles)</b>	
• of contactor typical	10 000 000
<b>reference code according to IEC 81346-2</b>	K
<b>Substance Prohibitance (Date)</b>	07/01/2006
<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	125 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>design of the surge suppressor</b>	with varistor
<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>	3
• instantaneous contact	3
• delayed switching	0
• lagging switching	0
• make-before-break switching	0
<b>number of NO contacts for auxiliary contacts</b>	5
• instantaneous contact	5
• delayed switching	0
• leading contact	0
• make-before-break switching	0
<b>number of CO contacts</b>	
• for auxiliary contacts	0
• of auxiliary contacts instantaneous contact	0
<b>identification number and letter for switching elements</b>	53
operational current at AC-12 maximum	10 A
<b>operational current at AC-15</b>	
• at 230 V rated value	6 A

<ul style="list-style-type: none"> <li>• at 400 V rated value</li> <li>• at 500 V rated value</li> <li>• at 690 V rated value</li> </ul>	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)

### Short-circuit protection

design of the fuse link for short-circuit protection of the auxiliary switch required	fuse gL/gG: 10 A
---	------------------

### Installation/ mounting/ dimensions

<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

### Connections/ Terminals

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

### Safety related data

B10 value with high demand rate according 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 according to SN 31920</li> <li>• with high demand rate according to SN 31920</li> </ul>	40 % 75 %
T1 value for proof test interval or service life according to IEC 61508	20 a
<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)

### Certificates/ approvals

<b>General Product Approval</b>	<b>Functional Safety/Safety of Machinery</b>
---------------------------------	--



[Confirmation](#)



[Type Examination Certificate](#)

### Declaration of Conformity      Test Certificates      Marine / Shipping



[Special Test Certificate](#)

[Type Test Certificates/Test Report](#)



### Marine / Shipping      other      Railway



[Confirmation](#)

[Special Test Certificate](#)

#### Further information

**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=3RH1353-1DG40-0KA0>

**Cax online generator**

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RH1353-1DG40-0KA0>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3RH1353-1DG40-0KA0>

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

[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3RH1353-1DG40-0KA0&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RH1353-1DG40-0KA0&lang=en)

**Characteristic: Tripping characteristics, I<sup>2</sup>t, Let-through current**

<https://support.industry.siemens.com/cs/ww/en/ps/3RH1353-1DG40-0KA0/char>

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

<http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RH1353-1DG40-0KA0&objecttype=14&gridview=view1>

last modified:

3/3/2021