



Figure similar

Contactor relay, 2 NO + 2 NC 480 V AC 60 Hz Spring-type terminal Size S00 !!!  
Phased-out product !!! Successor is SIRIUS 3RH2 Preferred successor type is  
>>3RH2122-2AV60<<

product brand name	SIRIUS
product designation	Auxiliary contactor
<b>General technical data</b>	
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
protection class IP on the front	IP20
shock resistance	10g / 5 ms and 5g / 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	K
Substance Prohibitance (Date)	07/01/2006
Weight	0.201 kg
<b>Ambient conditions</b>	
installation altitude at height above sea level maximum	2 000 m
ambient temperature	
• during operation	-25 ... +60 °C
• during storage	-55 ... +80 °C
• during transport	-55 ... +80 °C
<b>Control circuit/ Control</b>	
type of voltage of the control supply voltage	AC
control supply voltage at AC	
• at 60 Hz rated value	480 V
control supply voltage frequency	
• 1 rated value	60 Hz
operating range factor control supply voltage rated value of magnet coil at AC	
• at 60 Hz	0.85 ... 1.1
apparent pick-up power of magnet coil at AC	27 VA
inductive power factor with closing power of the coil	0.8
apparent holding power of magnet coil at AC	4.6 VA
inductive power factor with the holding power of the coil	0.27
<b>Auxiliary circuit</b>	
number of NC contacts for auxiliary contacts	2
• instantaneous contact	2

<ul style="list-style-type: none"> <li>• delayed switching</li> <li>• lagging switching</li> <li>• make-before-break switching</li> </ul>	0
<ul style="list-style-type: none"> <li>• lagging switching</li> <li>• make-before-break switching</li> </ul>	0
<ul style="list-style-type: none"> <li>• make-before-break switching</li> </ul>	0
<b>number of NO contacts for auxiliary contacts</b>	2
<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>	2
	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>	22 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>	60 mm
<b>width</b>	45 mm
<b>depth</b>	73 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	Cage Clamp 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> <li>— finely stranded without core end processing</li> </ul> </li> <li>• for AWG cables for auxiliary contacts</li> </ul>	2x (0.25 ... 2.5 mm²)
	2x (0.25 ... 1.5 mm²)
	2x (0.25 ... 2.5 mm²)
	2x (24 ... 14)
<b>Safety related data</b>	
<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 %
<b>B10 value with high demand rate according to SN 31920</b>	1 000 000; With 0.3 x Ie
IEC 61508	
<b>T1 value</b>	
<ul style="list-style-type: none"> <li>• for proof test interval or service life according to IEC 61508</li> </ul>	20 a
Electrical Safety	
<b>touch protection against electrical shock</b>	finger-safe
<b>Approvals Certificates</b>	
<b>General Product Approval</b>	<b>Functional Safety</b>



[Type Examination Certificate](#)

Test Certificates	Marine / Shipping	other	Railway	Environment
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[Special Test Certificate](#)

[Type Test Certificates/Test Report](#)



[Confirmation](#)

[Special Test Certificate](#)

[Environmental Confirmations](#)

#### 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=3RH1122-2AV60>

Cax online generator

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RH1122-2AV60>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3RH1122-2AV60>

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

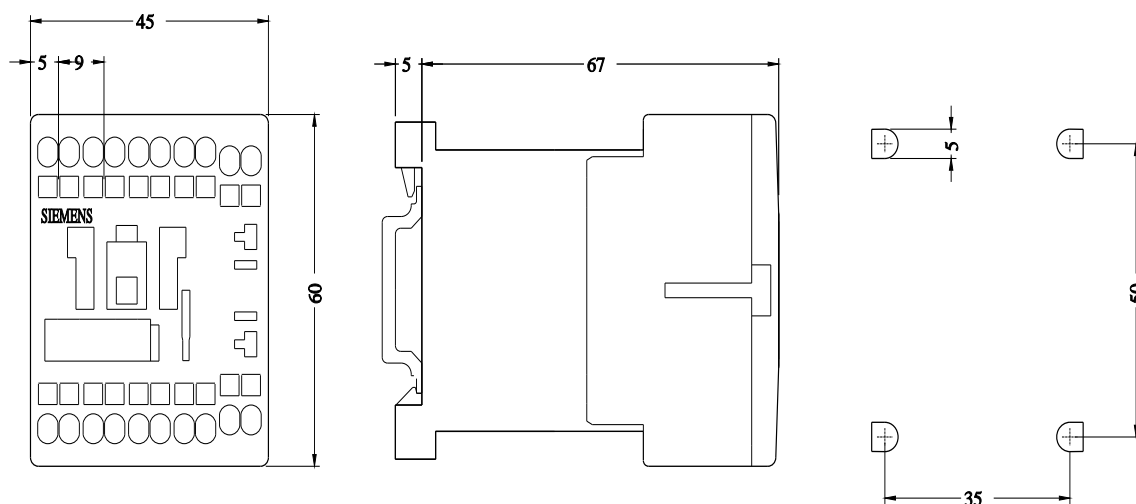
[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3RH1122-2AV60&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RH1122-2AV60&lang=en)

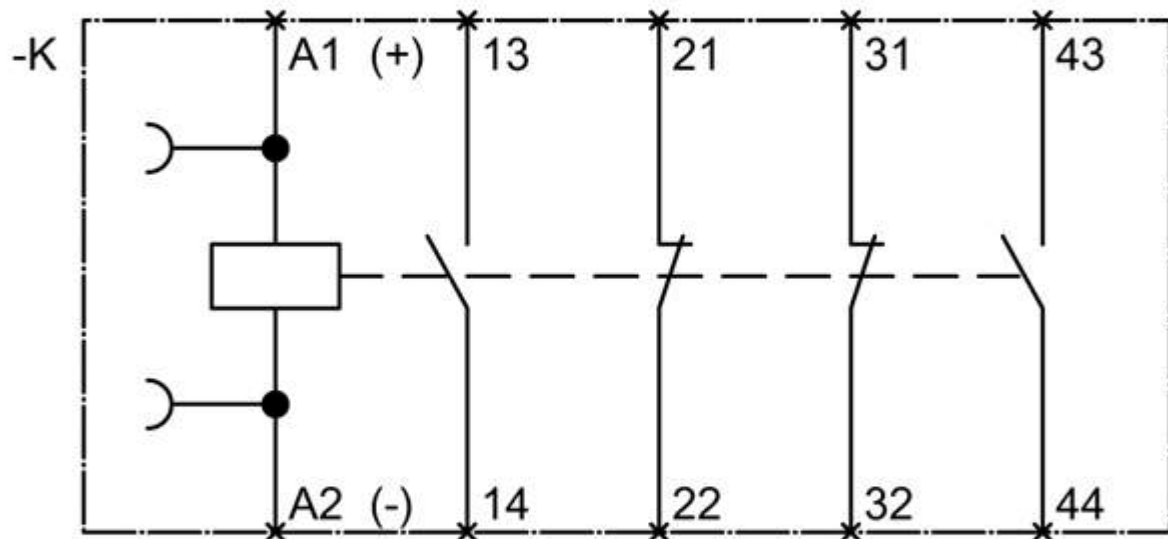
Characteristic: Tripping characteristics, I<sup>2</sup>t, Let-through current

<https://support.industry.siemens.com/cs/ww/en/ps/3RH1122-2AV60/char>

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

<http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RH1122-2AV60&objecttype=14&gridview=view1>





last modified:

4/1/2025 