SIEMENS

Data sheet 3RH2262-4BG40



Contactor relay, 6 NO + 2 NC, 125 V DC, Size S00, Ring cable lug connection, Captive auxiliary switch,

product brand name	SIRIUS		
product designation	Auxiliary contactor		
product type designation	3RH2		
General technical data			
size of contactor	S00		
product extension auxiliary switch	No		
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 	10 000 000		
reference code according to IEC 81346-2	K		
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	125 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 NC contacts for auxiliary contacts	2
 instantaneous contact 	2
number of NO contacts for auxiliary contacts	6
 instantaneous contact 	6
identification number and letter for switching elements	62 E
operational current at AC-12 maximum	10 A
operational current at AC-15	
 at 230 V rated value 	6 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 at 440 V rated value	1 A
at 440 V rated value at 600 V rated value	0.3 A
• at 600 V rated value operational current with 2 current paths in series at	0.15 A
DC-12 ● at 24 V rated value	10 A
at 24 V rated value at 60 V rated value	10 A 10 A
at 110 V rated value 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	0.5071
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	6 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 design of the miniature circuit breaker for short-circuit	1 000 1/h C characteristic: 6 A; 0.4 kA
protection of the auxiliary circuit up to 230 V contact reliability of auxiliary contacts	1 faulty switching per 100 million (17 V, 1 mA)
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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	fuse gL/gG: 10 A	
Installation/ mounting/ dimensions		
mounting position	+/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface	
fastening method	screw and snap-on mounting onto 35 mm DIN rail	
height	57.5 mm	
width	45 mm	
depth	117 mm	
required spacing		
with side-by-side mounting		
— forwards	10 mm	
— upwards	10 mm	
— downwards	10 mm	
— at the side	0 mm	
 for grounded parts 		
— forwards	10 mm	
— upwards	10 mm	
— at the side	6 mm	
— downwards	10 mm	
 for live parts 		
— forwards	10 mm	
— upwards	10 mm	
— downwards	10 mm	
— at the side	6 mm	
Connections/ Terminals		
type of electrical connection for auxiliary and control circuit	ring terminal lug connection	
Safety related data		
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		
 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	IP00	
Certificates/ approvals		

Certificates/ approvals

General Product Approval





Confirmation



<u>KC</u>



Functional Safety/Safe Machinery	ty of Declaration of Conformity	Test Certificates
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Type Examination Certificate





Type Test Certificates/Test Report

Special Test Certificate

Marine / Shipping













Marine / Shipping

other

Railway

Dangerous Good



Confirmation



Vibration and Shock

<u>Transport Information</u>

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=3RH2262-4BG40

Cax online generator

 $\underline{http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en\&mlfb=3RH2262-4BG40}$

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

https://support.industry.siemens.com/cs/ww/en/ps/3RH2262-4BG40

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

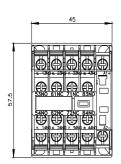
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RH2262-4BG40&lang=en

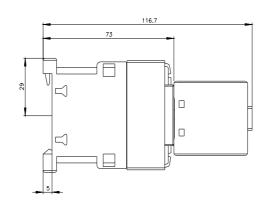
Characteristic: Tripping characteristics, I2t, Let-through current

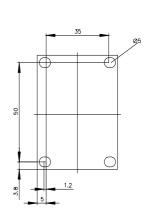
https://support.industry.siemens.com/cs/ww/en/ps/3RH2262-4BG40/char

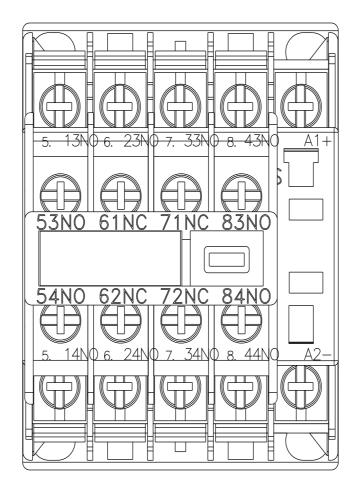
Further characteristics (e.g. electrical endurance, switching frequency)

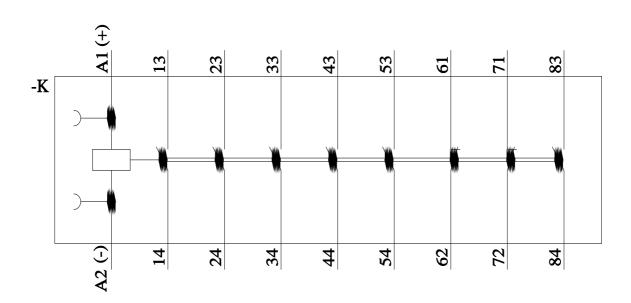
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