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
power loss [W] for rated value of the current without load current share typical	4 W
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	00 100 III0
• at DC	7 13 ms
arcing time	10 15 ms
Auxiliary circuit	10 10 1110
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	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	6 A
at 110 V rated value	1 A
at 110 V rated value 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	1 000 1/h
design of the miniature circuit breaker for short-circuit protection	C characteristic: 6 A; 0.4 kA
of the auxiliary circuit up to 230 V	C characteristic. 0 A, 0.4 kA

Contact rating of auxiliary contacts according to UL A600 / Q600 design of the fuse link for short-circuit protection of the auxiliary switch required installation mounting dimensions mounting position fastening method height 57.5 mm width 45 mm depth 117 mm required spacing witch side-by-side mounting — forwards — upwards — of ownwards — at the side — downwards — at the side — downwards — of ive parts — if ive parts — if ive parts — if ive parts — ownwards — own	contact reliability of auxiliary contacts	1 faulty switching per 100 million (17 V, 1 mA)
contact rating of auxiliary contacts according to UL Short-circuit protection design of the tase link for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions mounting position fastening method fastening method festening method festeni		Triadity switching per 100 million (17 V, 1 mA)
design of the fuse link for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions mounting position		AC00 / OC00
design of the fase link for short-circuit protection of the auxiliary switch required switch required mounting demensions mounting position		A0007 Q000
switch required installation/ mounting/ dimensions mounting position	<u> </u>	f 1/ 0 40 A
#4-180" rotation possible on vertical mounting surface; can be tilted forward and backward by #4-22.5" on vertical mounting surface screw and snap-on mounting onto 35 mm DIN rail ### Page 17.5 mm ### Width	switch required	fuse gL/gG: 10 A
backward by ++ 22.5° on vertical mounting surface fastening method height fastening method screw and snap-on mounting onto 35 mm DIN rail width depth 45 mm depth 117 mm required spacing • with side-by-side mounting — forwards — upwards — downwards — of or grounded parts — for grounded parts — for grounded parts — in the side • of or grounded parts — at the side — downwards — upwards — 10 mm • for grounded parts — forwards — upwards — 10 mm • for grounded parts — forwards — upwards — 10 mm • of mm — at the side — downwards — of mm — at the side — downwards — 10 mm • for live parts — forwards — upwards — 10 mm • for live parts — downwards — 10 mm • for live parts — downwards — 10 mm • for live parts — downwards — 10 mm • of one connections/ forminals **Torwards — downwards — of mm **Connections/ forminals type of electrical connection for auxiliary and control circuit **Sifety related data **product function positively driven operation according to IEC 60947-5-1 **BIO value with high demand rate according to SN 31920 • with high demand rate according to SN 31920 • with high demand rate according to SN 31920 • with high demand rate according to SN 31920 • with high demand rate according to SN 31920 • with high demand rate according to SN 31920 100 FIT 11 value for proof test interval or service life according to IEC 61508 **protection class IP on the front according to IEC 60529 Protection class IP on the front according to IEC 60529 Protection class IP on the front according to IEC 60529 Protection class IP on the front according to IEC 60529 Protection class IP on the front according to IEC 60529 Protection class IP on the front according to IEC 60529 Protection class IP on the front according to IEC 60529 Protection class IP on the front according to IEC 60529	Installation/ mounting/ dimensions	
height width 45 mm depth 117 mm required spacing • with side-by-side mounting — forwards 10 mm — downwards 10 mm — at the side 6 for grounded parts — forwards 10 mm — forwards 10 mm — at the side 6 fmm — downwards 10 mm — at the side 6 mm — at the side 6 mm — downwards 10 mm — at the side 6 mm — downwards 10 mm — at the side 6 mm — downwards 10 mm • for live parts — forwards 10 mm — to wards 10 mm — forwards 10 mm — to electrical connection for auxiliary and control circuit 7 ming terminal lug connection **Connections/** Terminals** type of electrical connection for auxiliary and control circuit 7 ming terminal lug connection **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 IEC 60529 IPO0	mounting position	
width 45 mm depth 117 mm required spacing with side-by-side mounting — forwards 10 mm — upwards 10 mm — at the side 0 mm — for grounded parts 10 mm — forwards 10 mm — upwards 10 mm — at the side 6 mm — downwards 10 mm — for live parts 10 mm — upwards 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 Yes Goody-7-5-1 B10 value with high demand rate according to SN 31920 1 000 000; With 0.3 x le proportion of dangerous failures • with high demand rate according to SN 31920 40 % • with high demand rate according to SN 31920 100 FIT 11 value for proof test interval or service life according to IEC 60529 20 a failure rate [FIT] with low demand rate according to IEC 60529 IPO0	fastening method	screw and snap-on mounting onto 35 mm DIN rail
required spacing with side-by-side mounting - forwards - upwards - downwards - at the side for grounded parts - forwards - upwards - upwards - to mm - forwards - upwards - to mm - forwards - upwards - to mm - forwards - upwards - to mm - upwards - upwards - to mm - at the side - downwards - to mm - downwards - to mm - forwards - to mm - forwards - to mm - downwards - to mm - forwards - upwards - to mm - downwards - to mm - downwards - upwards - to mm - the side - downwards - to mm - the side - downwards - to mm - the side - forwards - to mm - the side -	height	57.5 mm
e with side-by-side mounting - forwards - upwards - downwards - at the side - for grounded parts - forwards - upwards - upwards - 10 mm - at the side - for grounded parts - forwards - upwards - upwards - 10 mm - at the side - downwards - upwards - at the side - downwards - downwards - for live parts - forwards - forwards - upwards - for live parts - forwards - upwards - upwards - upwards - upwards - downwards - upwards -	width	45 mm
with side-by-side mounting - forwards - upwards - downwards - at the side of or grounded parts - forwards - upwards - upwards - upwards - at the side of or grounded parts - forwards - upwards - upwards - at the side - downwards - 10 mm - at the side - downwards - 10 mm of or live parts - forwards - for live parts - forwards - upwards - upwards - downwards - upwards - downwards - at the side - formands - formands - at the side - formands - at the side - formands - forman	depth	117 mm
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- upwards 10 mm 10	 with side-by-side mounting 	
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- upwards - at the side - downwards 10 mm • for live parts - forwards 10 mm - upwards 10 mm - upwards 10 mm - upwards 10 mm - downwards 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 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 • with high demand rate according to SN 31920 • with high demand rate according to SN 31920 1 000 FIT T1 value for proof test interval or service life according to IEC 61508 protection class IP on the front according to IEC 60529 IP00	 for grounded parts 	
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- upwards 10 mm 10	• for live parts	
— downwards — at the side Connections/ Terminals type of electrical connection for auxiliary and control circuit Safety related data product function positively driven operation according to IEC 60947-5-1 B10 value with high demand rate according to SN 31920 Proportion of dangerous failures • with low demand rate according to SN 31920 • with high demand rate according to SN 31920 • with high demand rate according to SN 31920 • with low demand rate according to SN 31920 100 FIT T1 value for proof test interval or service life according to IEC 61508 protection class IP on the front according to IEC 60529 IP00	— forwards	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 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 protection class IP on the front according to IEC 60529 IP00	— upwards	10 mm
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 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 protection class IP on the front according to IEC 60529 IP00	— downwards	10 mm
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 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 protection class IP on the front according to IEC 60529 IP00	— at the side	6 mm
product function positively driven operation according to IEC 60947-5-1 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 protection class IP on the front according to IEC 60529 IP00	Connections/ Terminals	
product function positively driven operation according to IEC 60947-5-1 B10 value with high demand rate according to SN 31920 proportion of dangerous failures with low demand rate according to SN 31920 with high demand rate according to SN 31920 with high demand rate according to SN 31920 failure rate [FIT] with low demand rate according to SN 31920 T1 value for proof test interval or service life according to IEC 61508 protection class IP on the front according to IEC 60529 IP00	type of electrical connection for auxiliary and control circuit	ring terminal lug connection
B10 value with high demand rate according to SN 31920 proportion of dangerous failures with low demand rate according to SN 31920 with high demand rate according to SN 31920 with high demand rate according to SN 31920 failure rate [FIT] with low demand rate according to SN 31920 T1 value for proof test interval or service life according to IEC 61508 protection class IP on the front according to IEC 60529 IP00	Safety related data	
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 protection class IP on the front according to IEC 60529 IP00		Yes
 with low demand rate according to SN 31920 with high demand rate according to SN 31920 failure rate [FIT] with low demand rate according to SN 31920 T1 value for proof test interval or service life according to IEC 61508 protection class IP on the front according to IEC 60529 IP00 	B10 value with high demand rate according to SN 31920	1 000 000; With 0.3 x le
 with high demand rate according to SN 31920 failure rate [FIT] with low demand rate according to SN 31920 T1 value for proof test interval or service life according to IEC 61508 protection class IP on the front according to IEC 60529 IP00 	proportion of dangerous failures	
 with high demand rate according to SN 31920 failure rate [FIT] with low demand rate according to SN 31920 T1 value for proof test interval or service life according to IEC 61508 protection class IP on the front according to IEC 60529 IP00 		40 %
T1 value for proof test interval or service life according to IEC 61508 protection class IP on the front according to IEC 60529 IP00		73 %
T1 value for proof test interval or service life according to IEC 61508 protection class IP on the front according to IEC 60529 IP00	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	20 a
Certificates/ approvals	protection class IP on the front according to IEC 60529	IP00
	Certificates/ approvals	

General Product Approval





Confirmation



<u>KC</u>



Functional
EMC Safety/Safety of Machinery Declaration of Conformity Test Certificates



Type Examination Certificate





Type Test Certificates/Test Report

Special Test Certificate

Marine / Shipping













Marine / Shipping

other

Railway

Dangerous Good



Confirmation



Vibration and Shock

Transport Information

Further information

Siemens has decided to exit the Russian market (see here).

https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business

Siemens is working on the renewal of the current EAC certificates.

Please contact your local Siemens office on the status of validity of the EAC certification if you intend to import or offer to supply these products to an EAC relevant market (other than the sanctioned EAEU member states Russia or Belarus).

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

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, ...)

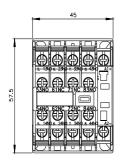
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RH2262-4BG40&lang=en

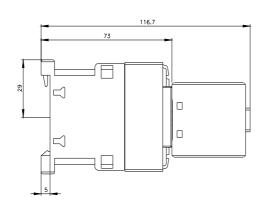
Characteristic: Tripping characteristics, I2t, Let-through current

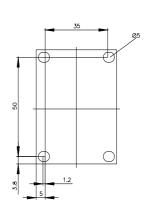
https://support.industry.siemens.com/cs/ww/en/ps/3RH2262-4BG40/char

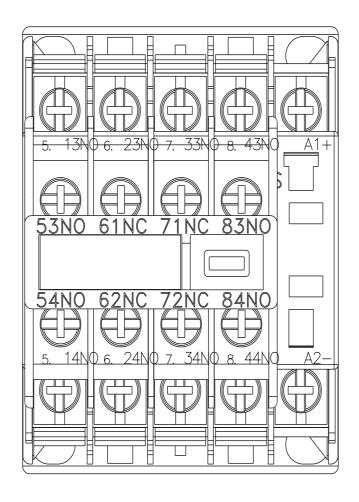
Further characteristics (e.g. electrical endurance, switching frequency)

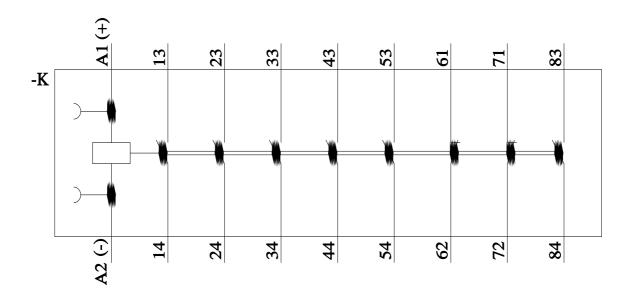
http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RH2262-4BG40&objecttype=14&gridview=view1











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