SIEMENS

Data sheet 3RH2262-4BB40



contactor relay, 6 NO + 2 NC, 24 V DC, size S00, ring cable lug connection, captive auxiliary switch

product designation 3RH2 Size of contactor S00 product extension auxiliary switch No Insulation voltage with degree of pollution 3 at AC rated value 689 V surge voltage resistance rated value 6 kV shock resistance at rectangular impulse at DC 10g / 5 ms, 5g / 10 ms surge voltage resistance with sine pulse at DC 15g / 5 ms, 8g / 10 ms mechanical service life (switching cycles) 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 2000 m ambient temperature 4 during operation 255 +60 °C -55 +80 °C -55 +90 °C -55	product brand name	SIRIUS	
size of contactor S00 product extension auxiliary switch insulation voltage with degree of pollution 3 at AC rated value degree of pollution surge voltage resistance rated value e at DC shock resistance at rectangular impulse e at DC shock resistance with sine pulse e store shock re	product designation	Auxiliary contactor	
size of contactor product extension auxiliary switch insulation voltage with degree of pollution 3 at AC rated value degree of pollution 3 surge voltage resistance rated value • at DC • at DC mechanical service life (switching cycles) • of contactor typical reference code according to IEC 81346-2 K Substance Prohibitance (Date) Ambient conditions installation altitude at height above sea level maximum ambient temperature • during operation • during storage relative humidity at 55 °C according to IEC 60068-2-30 maximum Main circuit no-load switching frequency • at AC • at DC operating requency • at AC • at DC operating requency • at AC • at DC • control supply voltage at DC • relative group of magnet coll at DC • initial value • full-scale value Operating range factor control supply voltage rated value of magnet coll at DC • full colosing power of magnet coll at DC 4 W	product type designation	3RH2	
product extension auxiliary switch insulation voltage with degree of pollution 3 at AC rated value degree of pollution surge voltage resistance rated value • at DC • at DC • of contactor typical reference code according to IEC 81346-2 Substance Prohibitance (Date) Ambient conditions installation altitude at height above sea level maximum ambient temperature • during operation • during storage relative humidity an influency • at AC • at DC • at CC	General technical data		
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value degree of pollution 3 surge voltage resistance rated value 6 kV shock resistance at rectangular impulse 10g / 5 ms, 5g / 10 ms • at DC 15g / 5 ms, 8g / 10 ms mechanical service life (switching cycles) 10 000 000 • of contactor typical K substance Prohibitance (Date) 10/01/2009 Ambient conditions 10/01/2009 installation altitude at height above sea level maximum 2 000 m ambient temperature 4 during operation • during storage -55 +60 °C • during storage -55 +80 °C relative humidity minimum 10 % relative humidity at 55 °C according to IEC 60068-2-30 95 % maximum 95 % Main circuit 10 000 1/h no-load switching frequency 10 000 1/h • at DC 10 000 1/h Control circuit/ Control 24 V type of voltage of the control supply voltage DC control supply voltage at DC 24 V • rated value 0.8 • full-scale value 0.8 • full-scale value 1.1 closing power of magnet coil at DC 4 W	product extension auxiliary switch	No	
surge voltage resistance rated value shock resistance at rectangular impulse at DC shock resistance with sine pulse at DC stock resistance with sine pulse stock resistance with sine stock resistance with sine pulse stock resistance with sine stock resistance with sine pulse stock resistance with sto		690 V	
shock resistance at rectangular impulse at DC shock resistance with sine pulse at DC start DC shock resistance with sine pulse at DC start	degree of pollution	3	
shock resistance with sine pulse at DC shock resistance with sine pulse at DC mechanical service life (switching cycles) of contactor typical reference code according to IEC 81346-2 K Substance Prohibitance (Date) Ambient conditions installation altitude at height above sea level maximum ambient temperature during operation during storage relative humidity minimum relative humidity minimum relative humidity minimum relative humidity at 55 °C according to IEC 60068-2-30 maximum Main circuit no-load switching frequency at AC at DC to 10 000 1/h at DC control circuit/ Control type of voltage of the control supply voltage control supply voltage at DC rated value operating range factor control supply voltage rated value of magnet coil at DC initial value full-scale value 1.1 closing power of magnet coil at DC	surge voltage resistance rated value	6 kV	
shock resistance with sine pulse • at DC mechanical service life (switching cycles) • of contactor typical reference code according to IEC 81346-2 K Substance Prohibitance (Date) Ambient conditions installation altitude at height above sea level maximum ambient temperature • during operation • during storage relative humidity minimum relative humidity minimum relative humidity at 55 °C according to IEC 60068-2-30 maximum Main circuit no-load switching frequency • at AC • at DC Control circuit/ Control type of voltage of the control supply voltage control supply voltage at DC • rated value operating range factor control supply voltage rated value of magnet coil at DC • initial value • full-scale value 1.1 closing power of magnet coil at DC 4 W	shock resistance at rectangular impulse		
e at DC mechanical service life (switching cycles) e of contactor typical reference code according to IEC 81346-2 K Substance Prohibitance (Date) 10/001/2009 Ambient conditions installation altitude at height above sea level maximum ambient temperature e during operation e during storage -55 +60 °C relative humidity minimum relative humidity at 55 °C according to IEC 60068-2-30 maximum Main circuit no-load switching frequency e at AC e at DC 10 000 1/h e at DC Control circuit/ Control type of voltage of the control supply voltage control supply voltage at DC e rated value operating range factor control supply voltage rated value of magnet coil at DC e initial value e full-scale value 1.1 closing power of magnet coil at DC 4 W	• at DC	10g / 5 ms, 5g / 10 ms	
mechanical service life (switching cycles) • of contactor typical reference code according to IEC 81346-2 K Substance Prohibitance (Date) Ambient conditions installation altitude at height above sea level maximum ambient temperature • during operation • during storage relative humildity minimum relative humildity at 55 °C according to IEC 60068-2-30 maximum Main circuit no-load switching frequency • at AC • at DC Control circuit/ Control type of voltage of the control supply voltage control supply voltage at DC • rated value operating range factor control supply voltage rated value of magnet coil at DC • full-scale value of tull-scale value 10 000 000 10 000 000 10 000 000 10 000 00	shock resistance with sine pulse		
of contactor typical reference code according to IEC 81346-2 Substance Prohibitance (Date) Ambient conditions installation altitude at height above sea level maximum ambient temperature • during operation • during storage relative humidity minimum relative humidity at 55 °C according to IEC 60068-2-30 maximum Main circuit no-load switching frequency • at AC • at DC control circuit/ Control type of voltage of the control supply voltage control supply voltage at DC • rated value operating range factor control supply voltage rated value of magnet coil at DC • full-scale value • full-scale value 10 000 000 DC Coloring power of magnet coil at DC 4 W	• at DC	15g / 5 ms, 8g / 10 ms	
reference code according to IEC 81346-2 Substance Prohibitance (Date) Ambient conditions installation altitude at height above sea level maximum ambient temperature • during operation • during storage relative humidity minimum relative humidity minimum relative humidity at 55 °C according to IEC 60068-2-30 maximum Main circuit no-load switching frequency • at AC • at DC Control circuit/ Control type of voltage of the control supply voltage control supply voltage at DC • rated value operating range factor control supply voltage rated value of magnet coil at DC • full-scale value of full-scale value old in the state of the control at DC 4 W	mechanical service life (switching cycles)		
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installation altitude at height above sea level maximum ambient temperature • during operation • during storage • during storage -55 +80 °C relative humidity minimum relative humidity at 55 °C according to IEC 60068-2-30 maximum Main circuit no-load switching frequency • at AC • at DC Control circuit/ Control type of voltage of the control supply voltage control supply voltage at DC • rated value operating range factor control supply voltage rated value of magnet coil at DC • initial value • full-scale value full-scale value 1.1 closing power of magnet coil at DC 4 W	reference code according to IEC 81346-2	K	
installation altitude at height above sea level maximum ambient temperature • during operation • during storage relative humidity minimum relative humidity at 55 °C according to IEC 60068-2-30 maximum Main circuit no-load switching frequency • at AC • at DC Control circuit/ Control type of voltage of the control supply voltage control supply voltage at DC • rated value operating range factor control supply voltage rated value of magnet coil at DC • initial value • full-scale value 1.1 closing power of magnet coil at DC 4 W	Substance Prohibitance (Date)	10/01/2009	
ambient temperature • during operation • during storage relative humidity minimum 10 % relative humidity at 55 °C according to IEC 60068-2-30 maximum Main circuit no-load switching frequency • at AC • at DC Control circuit/ Control type of voltage of the control supply voltage control supply voltage at DC • rated value operating range factor control supply voltage rated value of magnet coil at DC • initial value • full-scale value 1.1 closing power of magnet coil at DC 4 W	Ambient conditions		
 during operation during storage -55 +80 °C relative humidity minimum 10 % relative humidity at 55 °C according to IEC 60068-2-30 maximum 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 control supply voltage at DC rated value operating range factor control supply voltage rated value of magnet coil at DC initial value full-scale value 1.1 closing power of magnet coil at DC 	installation altitude at height above sea level maximum	2 000 m	
 during storage relative humidity minimum 10 % relative humidity at 55 °C according to IEC 60068-2-30 maximum 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 control supply voltage at DC rated value operating range factor control supply voltage rated value of magnet coil at DC initial value full-scale value closing power of magnet coil at DC 4 W	ambient temperature		
relative humidity minimum relative humidity at 55 °C according to IEC 60068-2-30 maximum Main circuit no-load switching frequency • at AC • at DC Control circuit/ Control type of voltage of the control supply voltage control supply voltage at DC • rated value • rated value operating range factor control supply voltage rated value of magnet coil at DC • initial value • full-scale value closing power of magnet coil at DC 4 W	during operation	-25 +60 °C	
relative humidity at 55 °C according to IEC 60068-2-30 maximum Main circuit no-load switching frequency • at AC • at DC Control circuit/ Control type of voltage of the control supply voltage control supply voltage at DC • rated value • rated value operating range factor control supply voltage rated value of magnet coil at DC • initial value • full-scale value 1.1 closing power of magnet coil at DC	during storage	-55 +80 °C	
maximum Main circuit no-load switching frequency • at AC • at DC Control circuit/ Control type of voltage of the control supply voltage control supply voltage at DC • rated value operating range factor control supply voltage rated value of magnet coil at DC • initial value • full-scale value closing power of magnet coil at DC 4 W	relative humidity minimum	10 %	
no-load switching frequency • at AC • at DC 10 000 1/h Control circuit/ Control type of voltage of the control supply voltage control supply voltage at DC • rated value • rated value operating range factor control supply voltage rated value of magnet coil at DC • initial value • full-scale value 1.1 closing power of magnet coil at DC 4 W		95 %	
 at AC at DC 10 000 1/h Control circuit/ Control type of voltage of the control supply voltage control supply voltage at DC rated value operating range factor control supply voltage rated value of magnet coil at DC initial value full-scale value 1.1 closing power of magnet coil at DC 4 W 	Main circuit		
at DC Control circuit/ Control type of voltage of the control supply voltage control supply voltage at DC rated value operating range factor control supply voltage rated value of magnet coil at DC initial value full-scale value Closing power of magnet coil at DC 10 000 1/h 24 V 08 1.1 1.1	no-load switching frequency		
type of voltage of the control supply voltage DC control supply voltage at DC • rated value 24 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	• at AC	10 000 1/h	
type of voltage of the control supply voltage control supply voltage at DC • rated value operating range factor control supply voltage rated value of magnet coil at DC • initial value • full-scale value closing power of magnet coil at DC DC 24 V 0.8 1.1 4 W	• at DC	10 000 1/h	
control supply voltage at DC • rated value operating range factor control supply voltage rated value of magnet coil at DC • initial value • full-scale value closing power of magnet coil at DC 4 W	Control circuit/ Control		
 rated value operating range factor control supply voltage rated value of magnet coil at DC initial value full-scale value closing power of magnet coil at DC 24 ∨ 0.8 1.1 d W 	type of voltage of the control supply voltage	DC	
operating range factor control supply voltage rated value of magnet coil at DC • initial value • full-scale value closing power of magnet coil at DC 4 W	control supply voltage at DC		
value of magnet coil at DC	rated value	24 V	
● full-scale value 1.1 closing power of magnet coil at DC 4 W			
closing power of magnet coil at DC 4 W	initial value	0.8	
	full-scale value	1.1	
holding power of magnet coil at DC 4 W	closing power of magnet coil at DC	4 W	
	holding power of magnet coil at DC	4 W	

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closing delay	20 400
• at DC	30 100 ms
opening delay	7 40
• at DC	7 13 ms
arcing time	10 15 ms
Auxiliary circuit	2
number of NC contacts for auxiliary contacts	2
instantaneous contact Type by a file of NO contacts Type by a file of NO contact of	2
number of NO contacts for auxiliary contacts	6
instantaneous contact identification number and letter for switching	6 62 E
elements	02 L
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 at 600 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 24 v rated value 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 24 V rated value at 60 V rated value	10 A 4.7 A
at 60 V rated value at 110 V rated value	4.7 A 3 A
at 220 V rated value	1.2 A
at ∠∠∪ v rated value	1.67

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 of the auxiliary circuit up to 230 V	C characteristic: 6 A; 0.4 kA	
contact reliability of auxiliary contacts	1 faulty switching per 100 million (17 V, 1 mA)	
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 standard mounting 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		
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 y	
protection class IP on the front according to IEC 60529	IP00	
Certificates/ approvals		
General Product Approval		

General Product Approval



Confirmation





<u>KC</u>



EMC Function Safety/ Machin	Safety of Declaration of Conformity	Test Certificates
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Type Examination Certificate





Special Test Certificate

Type Test Certificates/Test Report

Marine / Shipping













Marine / Shipping

other

Dangerous Good



Confirmation



<u>Transport Information</u>

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=3RH2262-4BB40

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RH2262-4BB40

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

https://support.industry.siemens.com/cs/ww/en/ps/3RH2262-4BB40

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

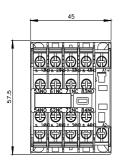
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RH2262-4BB40&lang=en

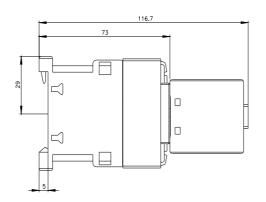
Characteristic: Tripping characteristics, I2t, Let-through current

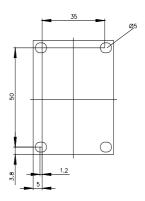
 $\underline{https://support.industry.siemens.com/cs/ww/en/ps/3RH2262-4BB40/char}$

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

http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RH2262-4BB40&objecttype=14&gridview=view1







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1/26/2022