SIEMENS

Data sheet 3RT1015-2HB41



Power contactor, AC-3 7 A, 3 kW / 400 V 1 NO, 24 V DC 0.7-1.25*US 3-pole, Size S00 Spring-type terminal !!! Phased-out product !!! Successor is SIRIUS 3RT2 Preferred successor type is >>3RT2015-2HB41<<

product brand name	SIRIUS
product designation	power contactor
General technical data	
size of contactor	S00
degree of pollution	3
protection class IP	
on the front	IP20
of the terminal	IP20
mechanical service life (switching cycles)	
of contactor typical	30 000 000
reference code acc. to IEC 81346-2	Q
Substance Prohibitance (Date)	01.07.2006 00:00:00
Ambient conditions	
installation altitude at height above sea level maximum	2 000 m
ambient temperature	
during operation	-25 +60 °C
Main circuit	
number of poles for main current circuit	3
number of NO contacts for main contacts	3
number of NC contacts for main contacts	0
operational current	
 at AC-1 at 400 V at ambient temperature 40 °C rated value 	18 A
• at AC-1	
— up to 690 V at ambient temperature 40 $^{\circ}\text{C}$ rated value	18 A
— up to 690 V at ambient temperature 60 $^{\circ}\text{C}$ rated value	16 A
• at AC-3	
— at 400 V rated value	7 A
at AC-4 at 400 V rated value	6.5 A
operational current	
 at 1 current path at DC-1 	
— at 24 V rated value	15 A
— at 110 V rated value	1.5 A
 with 2 current paths in series at DC-1 	
— at 24 V rated value	15 A
— at 110 V rated value	8.4 A
 with 3 current paths in series at DC-1 	
— at 24 V rated value	15 A

— at 110 V rated value	15 A
operational current	1071
• at 1 current path at DC-3 at DC-5	
— at 24 V rated value	15 A
— at 110 V rated value	0.1 A
with 2 current paths in series at DC-3 at DC-5	0.1 A
— at 24 V rated value	15 A
— at 110 V rated value	0.25 A
with 3 current paths in series at DC-3 at DC-5	0.2071
— at 24 V rated value	15 A
— at 110 V rated value	15 A
operating power	
• at AC-1	
— at 400 V rated value	11 kW
at AC-2 at 400 V rated value	3 kW
• at AC-3	
— at 400 V rated value	3 kW
— at 500 V rated value	3.5 kW
— at 690 V rated value	4 kW
Control circuit/ Control	
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	0.7
full-scale value	1.25
closing power of magnet coil at DC	2.3 W
holding power of magnet coil at DC	2.3 W
Auxiliary circuit	
number of NC contacts for auxiliary contacts	0
instantaneous contact	
number of NO contacts for auxiliary contacts	1
instantaneous contact	40.4
operational current at AC-12 maximum	10 A
operational current at AC-15	6.4
at 230 V rated value at 400 V rated value	6 A
at 400 V rated value	3 A
operational current at DC-12	6.4
at 60 V rated valueat 110 V rated value	6 A 3 A
	1 A
at 220 V rated value operational current at DC-13	1 / _
• at 24 V rated value	10 A
• at 60 V rated value	2 A
at 60 V rated value at 110 V rated value	1 A
at 220 V rated value	0.3 A
contact reliability of auxiliary contacts	1 faulty switching per 100 million (17 V, 1 mA)
Short-circuit protection	- 1.2
design of the fuse link	
for short-circuit protection of the main circuit	
— with type of coordination 1 required	fuse gL/gG: 35 A
— with type of assignment 2 required	fuse gL/gG: 20 A
for short-circuit protection of the auxiliary switch	fuse gL/gG: 10 A
required	
Installation/ mounting/ dimensions	
fastening method	screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 50022
side-by-side mounting	Yes
height	60 mm
width	45 mm

depth	73 mm
required spacing for grounded parts at the side	6 mm
Connections/ Terminals	
type of electrical connection	
 for main current circuit 	spring-loaded terminals
for auxiliary and control circuit	spring-loaded terminals
type of connectable conductor cross-sections	
 for main contacts 	
— solid	2x (0.25 2.5 mm²)
— solid or stranded	2x (0,25 2,5 mm²)
 finely stranded with core end processing 	2x (0.25 1.5 mm²)
 finely stranded without core end processing 	2x (0.25 2.5 mm²)
 at AWG cables for main contacts 	2x (24 14)
type of connectable conductor cross-sections	
 for auxiliary contacts 	
— solid	2x (0.25 2.5 mm²)
 finely stranded with core end processing 	2x (0.25 1.5 mm²)
 finely stranded without core end processing 	2x (0.25 2.5 mm²)
 at AWG cables for auxiliary contacts 	2x (24 14)
Cortificatos/approvals	

Certificates/ approvals

General Product Approval

EMC

Test Certificates











Special Test Certificate

Test Certificates

Marine / Shipping

Type Test Certificates/Test Report











Marine / Shipping

other

Railway



Miscellaneous

Confirmation

Miscellaneous

Special Test Certificate

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=3RT1015-2HB41

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT1015-2HB41

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

https://support.industry.siemens.com/cs/ww/en/ps/3RT1015-2HB41

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

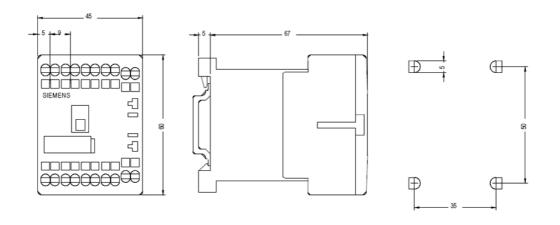
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RT1015-2HB41&lang=en

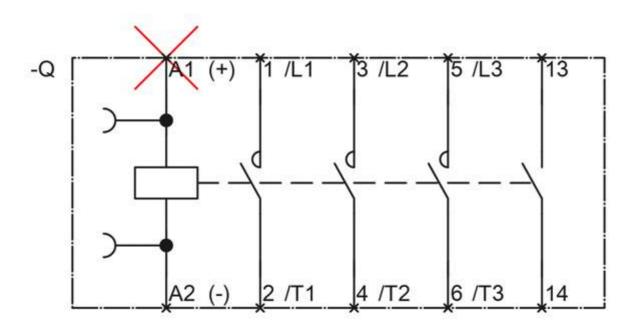
Characteristic: Tripping characteristics, I²t, Let-through current

https://support.industry.siemens.com/cs/ww/en/ps/3RT1015-2HB41/char

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

http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT1015-2HB41&objecttype=14&gridview=view1





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