SIEMENS

Data sheet

3RV1011-0HA10



Circuit breaker size S00 for motor protection, CLASS 10 A-release 0.55...0.8 A N-release 10 A Screw terminal Standard switching capacity

product brand name	SIRIUS
product designation	Circuit breaker
design of the product	For motor protection
product type designation	3RV1
General technical data	
size of the circuit-breaker	S00
size of contactor can be combined company-specific	S00
product extension auxiliary switch	Yes
power loss [W] for rated value of the current	
 at AC in hot operating state 	5.5 W
 at AC in hot operating state per pole 	1.8 W
insulation voltage with degree of pollution 3 at AC rated value	690 V
surge voltage resistance rated value	6 kV
mechanical service life (operating cycles)	
 of the main contacts typical 	100 000
 of auxiliary contacts typical 	100 000
electrical endurance (operating cycles) typical	100 000
reference code according to IEC 81346-2	Q
Substance Prohibitance (Date)	01/01/2013
SVHC substance name	Lead - 7439-92-1
Ambient conditions	
installation altitude at height above sea level maximum	2 000 m
	2 000 m
installation altitude at height above sea level maximum	2 000 m -20 +60 °C
installation altitude at height above sea level maximum ambient temperature	
installation altitude at height above sea level maximum ambient temperature • during operation	-20 +60 °C
installation altitude at height above sea level maximum ambient temperature • during operation • during storage	-20 +60 °C -50 +80 °C
installation altitude at height above sea level maximum ambient temperature • during operation • during storage • during transport	-20 +60 °C -50 +80 °C -50 +80 °C
installation altitude at height above sea level maximum ambient temperature • during operation • during storage • during transport relative humidity during operation	-20 +60 °C -50 +80 °C -50 +80 °C
installation altitude at height above sea level maximum ambient temperature • during operation • during storage • during transport relative humidity during operation Main circuit	-20 +60 °C -50 +80 °C -50 +80 °C 10 95 %
installation altitude at height above sea level maximum ambient temperature • during operation • during storage • during transport relative humidity during operation Main circuit number of poles for main current circuit adjustable current response value current of the current-	-20 +60 °C -50 +80 °C -50 +80 °C 10 95 %
installation altitude at height above sea level maximum ambient temperature • during operation • during storage • during transport relative humidity during operation Main circuit number of poles for main current circuit adjustable current response value current of the current- dependent overload release	-20 +60 °C -50 +80 °C -50 +80 °C 10 95 %
installation altitude at height above sea level maximum ambient temperature • during operation • during storage • during transport relative humidity during operation Main circuit number of poles for main current circuit adjustable current response value current of the current- dependent overload release operating voltage	-20 +60 °C -50 +80 °C -50 +80 °C 10 95 % 3 0.55 0.8 A
installation altitude at height above sea level maximum ambient temperature • during operation • during storage • during transport relative humidity during operation Main circuit number of poles for main current circuit adjustable current response value current of the current- dependent overload release operating voltage • rated value	-20 +60 °C -50 +80 °C -50 +80 °C 10 95 % 3 0.55 0.8 A 20 690 ∨
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installation altitude at height above sea level maximum ambient temperature • during operation • during storage • during transport relative humidity during operation Main circuit number of poles for main current circuit adjustable current response value current of the current- dependent overload release operating voltage • rated value • at AC-3 rated value maximum • at AC-3e rated value maximum operating frequency rated value	-20 +60 °C -50 +80 °C -50 +80 °C 10 95 % 3 0.55 0.8 A 20 690 V 690 V 690 V 50 60 Hz
installation altitude at height above sea level maximum ambient temperature • during operation • during storage • during transport relative humidity during operation Main circuit number of poles for main current circuit adjustable current response value current of the current- dependent overload release operating voltage • rated value • at AC-3 rated value maximum • at AC-3e rated value maximum operating frequency rated value	-20 +60 °C -50 +80 °C -50 +80 °C 10 95 % 3 0.55 0.8 A 20 690 V 690 V 690 V 50 60 Hz

full-load current (FLA) for 3-phase AC motor 0.8 A • at 480 V rated value 0.8 A • at 600 V rated value 0.8 A Short-circuit protection Yes design of the short-circuit protection Yes design of the short-circuit trip magnetic design of the fuse link for IT network for short-circuit protection none required • at 240 V None required • at 400 V gL/gG 6 A • at 690 V gL/gG 6 A		
	operating power	
− − − − − − − − − − − − − − − − − − −	• at AC-3	
	— at 230 V rated value	0.1 kW
	— at 400 V rated value	0.18 kW
• al A23 Yradi value• with with with with with a state of the answer of the	— at 500 V rated value	0.3 kW
81230 Vried value0 1 MW at 600 Vried value0 3 kW at 600 Vried value0 3 kW at 600 Vried value0 3 kW at 600 Vried value0 3 kW- at 600 Vried value0 15 h- at 600 Vried value15 h- at 600 Vried value0 10 k- at 600 Vried value100 kA- at 600 Vried value100 kA- at AC 21 200 Vried value100 kA- at 400 Vried value100 kA	— at 690 V rated value	0.4 kW
- al 400 Vrated value0 18 MV- at 600 Vrated value0.3 KV- at 600 Vrated value0.3 KV- at 600 Vrated value0.3 KV- at 6.25 maximum15 1/h- at 6.42 maximum0- at 6.42 maximum forcions ground fault detectionNo- ground fault detectionNo- ground fault detectionNo- at 6.42 da V rated value100 KA- at 6.	• at AC-3e	
	— at 230 V rated value	0.1 kW
	— at 400 V rated value	0.18 kW
operating frequency• al AC-3 maximum15 Jh• al AC-3 maximum15 Jh• al AC-3 maximum15 Jhvaritary creati0rounder of CD contrasts for auximup contrats0Protective and maniforing functionsNo• ground fault detectionVes• ground fault detectionCLASS 10• maximum short-formet breaking capacity (low)Hermal• al AC at 240 V rated value100 IA• al 24	— at 500 V rated value	0.3 kW
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number of CO contacts for auxiliary contacts 0 reductive and monitoring functions ************************************		
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required spacing Image: Constraint of the system • for grounded parts at 400 V 20 mm - downwards 20 mm - upwards 20 mm - at the side 9 mm • for live parts at 400 V 20 mm - downwards 20 mm - downwards 20 mm - upwards 20 mm		
 for grounded parts at 400 V downwards upwards at the side mm for live parts at 400 V downwards 20 mm mm 10 mm 10 mm<!--</td--><td></td><td></td>		
- downwards20 mm- upwards20 mm- at the side9 mm• for live parts at 400 V downwards20 mm- upwards20 mm		
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- at the side 9 mm • for live parts at 400 V - downwards - downwards 20 mm - upwards 20 mm		
 for live parts at 400 V downwards upwards 20 mm 20 mm 	•	
- downwards 20 mm - upwards 20 mm		9 11111
— upwards 20 mm		
- at the side 9 mm		
	— at the side	9 mm

e for grounded parts at 500 V			
for grounded parts at 500 V	20 mm		
— downwards	20 mm		
— upwards	20 mm		
— at the side	9 mm		
 for live parts at 500 V 			
— downwards	20 mm		
— upwards	20 mm		
— at the side	9 mm		
 for grounded parts at 690 V 			
— downwards	20 mm		
— upwards	20 mm		
— backwards	0 mm		
— at the side	9 mm		
— forwards	0 mm		
 for live parts at 690 V 			
— downwards	20 mm		
— upwards	20 mm		
— backwards	0 mm		
— at the side	9 mm		
— forwards	0 mm		
Connections/ Terminals			
type of electrical connection			
for main current circuit	screw-type terminals		
arrangement of electrical connectors for main current	Top and bottom		
circuit			
type of connectable conductor cross-sections			
 for main contacts 			
— solid or stranded	2x (0,5 1,5 mm²), 2x (0,75 2,5 mm²), 2x (1 4 mm²)		
 finely stranded with core end processing 	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)		
type of connectable conductor cross-sections			
 for auxiliary contacts 			
— solid or stranded	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)		
tightening torque			
 for main contacts with screw-type terminals 	0.8 1.2 N·m		
 for auxiliary contacts with screw-type terminals 	0.8 1.2 N·m		
size of the screwdriver tip	Pozidriv size 2		
design of the thread of the connection screw			
for main contacts	M3		
Safety related data	ino		
product function suitable for safety function	Yes		
	103		
suitability for use	No		
safety-related switching on			
safety-related switching OFF	Yes		
service life maximum	10 a		
test wear-related service life necessary	Yes		
proportion of dangerous failures	40.07		
with low demand rate according to SN 31920	40 %		
with high demand rate according to SN 31920	50 %		
B10 value with high demand rate according to SN 31920	5 000		
failure rate [FIT] with low demand rate according to SN 31920	50 FIT		
ISO 13849			
device type according to ISO 13849-1	3		
overdimensioning according to ISO 13849-2 necessary	Yes		
IEC 61508			
safety device type according to IEC 61508-2	Туре А		
Electrical Safety			
protection class IP on the front according to IEC 60529	IP20		
touch protection on the front according to IEC 60529	finger-safe, for vertical contact from the front		
Display			
display version for switching status	Rocker switch		

Approvals Certificates General Product Appr	oval	-	-	-	_
C E EG-Konf.	UK CA	CCC	<u>Confirmation</u>	(U) u	<u>KC</u>
General Product Approval	For use in hazardous	ocations	Test Certificates		Marine / Shipping
EHC	KEX ATEX	IECEx	Type Test Certific- ates/Test Report	Special Test Certific- ate	ABS
Marine / Shipping					
		Lloyds Register us	PRS	RINA	RMRS R
other			Railway	Environment	
<u>Miscellaneous</u>	<u>Confirmation</u>		Special Test Certific- ate	Environmental Con- firmations	
Further information	kasing				
Information- and Down https://www.siemens.co Industry Mall (Online of	<u>siemens.com/cs/ww/en/vie</u> nloadcenter (Catalogs, B <u>m/ic10</u>	rochures,)	<u>1011-0HA10</u>		

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RV1011-0HA10

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

https://support.industry.siemens.com/cs/ww/en/ps/3RV1011-0HA10

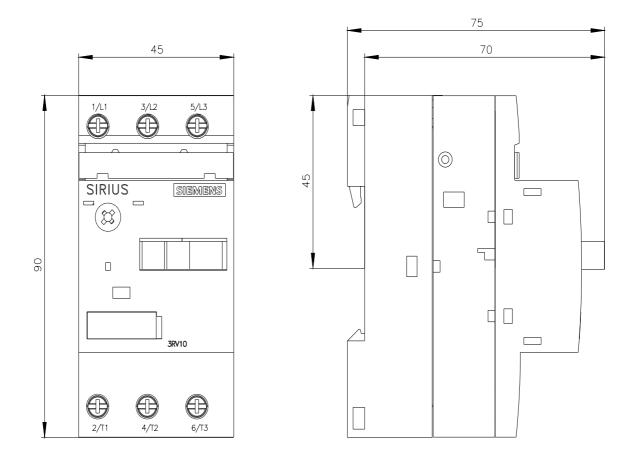
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

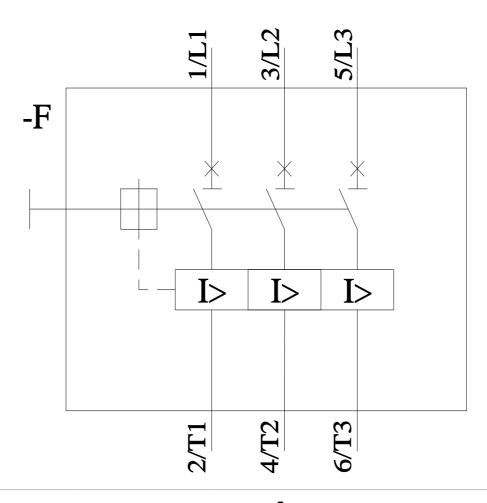
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RV1011-0HA10&lang=en

Characteristic: Tripping characteristics, I²t, Let-through current

https://support.industry.siemens.com/cs/ww/en/ps/3RV1011-0HA10/char

Further characteristics (e.g. electrical endurance, switching frequency) http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RV1011-0HA10&objecttype=14&gridview=view1





4/12/2024 🖸