SIEMENS

Data sheet

3RV2032-4DA10



Circuit breaker size S2 for motor protection, CLASS 10 A-release 18...25 A N-release 325 A screw terminal increased switching capacity

SIRIUS
Circuit breaker
For motor protection
3RV2
S2
S2
Yes
14.5 W
4.8 W
690 V
6 kV
400 V
400 V
25g / 11 ms Sinus
50 000
50 000
50 000
Ex II (2) GD
DMT 02 ATEX F 001
Q
2 000 m
-20 +60 °C
-50 +80 °C
-50 +80 °C
-20 +60 °C
10 95 %
3
18 25 A

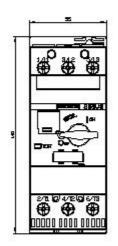


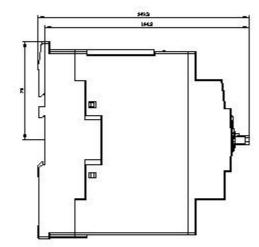
ourrent dependent everlead release	
current-dependent overload release	
 operating voltage rated value 	690 V
operating voltage at AC-3 rated value maximum	690 V
operating frequency rated value	50 60 Hz
operational current rated value	25 A
operational current at AC-3 at 400 V rated value	25 A
operating power at AC-3	
at 230 V rated value	5 500 W
at 400 V rated value	11 000 W
at 500 V rated value	15 000 W
at 690 V rated value	22 000 W
operating frequency at AC-3 maximum	15 1/h
Protective and monitoring functions	
product function	
 ground fault detection 	No
phase failure detection	Yes
trip class	CLASS 10
design of the overload release	thermal
breaking capacity operating short-circuit current (Ics) at AC	
at 240 V rated value	100 kA
at 240 V rated value	50 kA
• at 500 V rated value	10 kA
• at 690 V rated value	5 kA
breaking capacity maximum short-circuit current (Icu)	
• at AC at 240 V rated value	100 kA
at AC at 400 V rated value	100 kA
 at AC at 500 V rated value 	18 kA
 at AC at 690 V rated value 	8 kA
response value current of instantaneous short-circuit trip	325 A
unit	
UL/CSA ratings	
full-load current (FLA) for 3-phase AC motor	
 at 480 V rated value 	25 A
• at 600 V rated value	25 A
yielded mechanical performance [hp]	
 for single-phase AC motor 	
— at 110/120 V rated value	2 hp
— at 230 V rated value	5 hp
 for 3-phase AC motor 	
— at 200/208 V rated value	7.5 hp
— at 220/230 V rated value	10 hp
— at 460/480 V rated value	20 hp
— at 575/600 V rated value	25 hp
Short-circuit protection	
product function short circuit protection	Yes
design of the short-circuit trip	magnetic
design of the fuse link for IT network for short-circuit protection of the main circuit	
• at 240 V	none required
• at 400 V	100
• at 500 V	80
• at 690 V	63
Installation/ mounting/ dimensions	
mounting position	any
fastening method	screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715
height	140 mm

width	55 mm
depth	149 mm
required spacing	
 for grounded parts at 400 V 	
— downwards	50 mm
— upwards	50 mm
— at the side	10 mm
 for live parts at 400 V 	
— downwards	50 mm
— upwards	50 mm
— at the side	10 mm
 for grounded parts at 500 V 	
— downwards	50 mm
— upwards	50 mm
— at the side	10 mm
• for live parts at 500 V	
— downwards	50 mm
— upwards	50 mm
— at the side	10 mm
 for grounded parts at 690 V 	
 downwards 	50 mm
— upwards	50 mm
— backwards	0 mm
— at the side	10 mm
— forwards	0 mm
 for live parts at 690 V 	0 11111
— downwards	50 mm
— upwards	50 mm
— upwards — backwards	0 mm
— at the side	10 mm
— at the side — forwards	0 mm
Connections/ Terminals	0 mm
	Na
product function removable terminal for auxiliary and control circuit	No
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 (1 35 mm ²), 1x (1 50 mm ²)
— finely stranded with core end processing	2x (1 25 mm²), 1x (1 35 mm²)
at AWG cables for main contacts	2x (18 2), 1x (18 1)
 tightening torque for main contacts with screw-type terminals 	3 4.5 N·m
design of screwdriver shaft	Diameter 5 to 6 mm
size of the screwdriver tip	Pozidriv 2
design of the thread of the connection screw	
for main contacts	M6
Safety related data	
B10 value	
with high demand rate acc. to SN 31920	5 000
proportion of dangerous failures	
with low demand rate acc. to SN 31920	50 %
 with high demand rate acc. to SN 31920 	50 %
 failure rate [FIT] with low demand rate acc. to SN 31920 	50 FIT
• with low demand rate acc. to SN 31920	50 FIT 10 v
	50 FIT 10 y

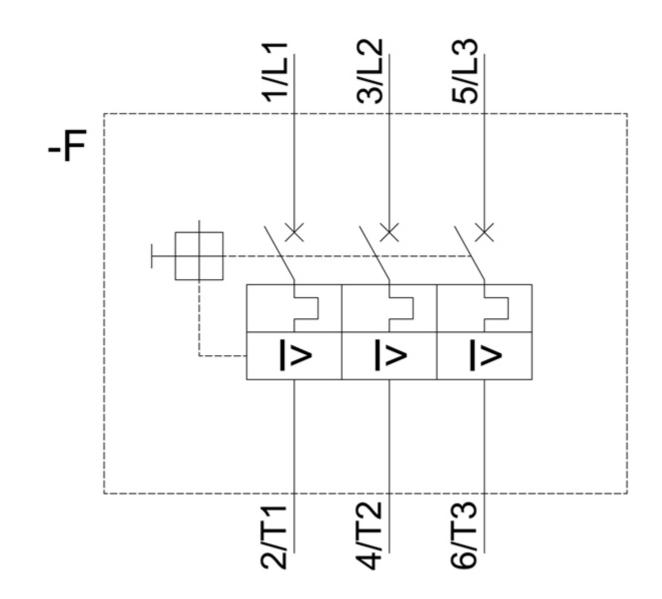
protection class IP or	n the front acc. to IE	C 60529 IP2	0			
touch protection on the front acc. to IEC 60529			finger-safe, for vertical contact from the front			
display version for switching status			ndle			
Certificates/ approvals	;					
General Product App	proval					
	(CCC			<u>KC</u>	EHC	
For use in hazardous	slocations	Declaration of Cor	nformity	Test Certificates		
KEx ATEX	IECEx IECEx	<u>Miscellaneous</u>	CE EG-Konf.	<u>Type Test</u> <u>Certificates/Test</u> <u>Report</u>	<u>Type Test</u> <u>Certificates/Test</u> <u>Report</u>	
Test Certificates		Marine / Shipping				
<u>Special Test</u> Certificate	<u>Type Test</u> <u>Certificates/Test</u> <u>Report</u>	ABS	BUREAU VERITAS	Hovds Register urs	PRS	
Marine / Shipping			other		Railway	
RINA	RMRS	DNV-GL CHV3LCDRDP	<u>Confirmation</u>		<u>Vibration and Shock</u>	
Railway						
<u>Confirmation</u>						
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