SIEMENS

Data sheet

3RV2011-0BA25

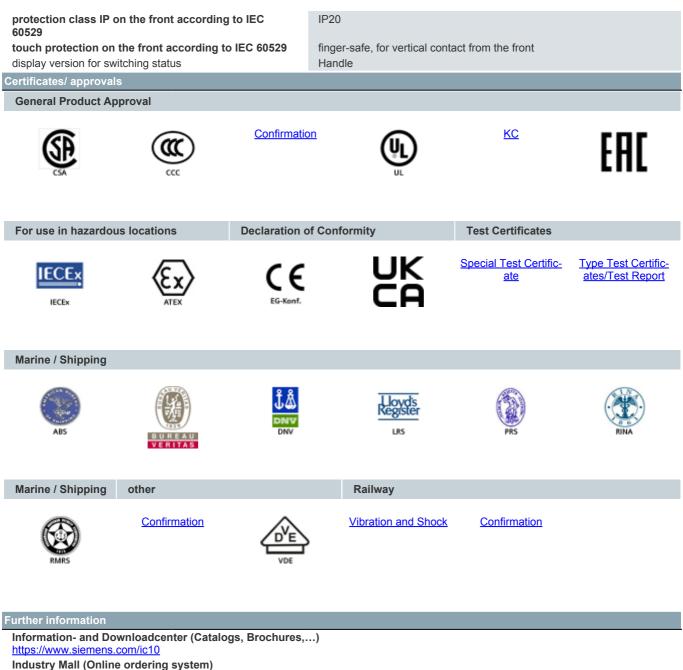


Circuit breaker size S00 for motor protection, CLASS 10 A-release 0.14...0.2 A N-release 2.6 A Spring-type terminal Standard switching capacity with transverse auxiliary switches 1 NO+1 NC $\,$

product brand name	SIRIUS
product designation	Circuit breaker
design of the product	For motor protection
product type designation	3RV2
General technical data	
size of the circuit-breaker	S00
size of contactor can be combined company-specific	S00, S0
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
shock resistance according to IEC 60068-2-27	25g / 11 ms
mechanical service life (switching cycles)	2097 11 110
 of the main contacts typical 	100 000
of auxiliary contacts typical	100 000
electrical endurance (switching cycles) typical	100 000
type of protection according to ATEX directive 2014/34/EU	Ex II (2) GD
certificate of suitability according to ATEX directive 2014/34/EU	DMT 02 ATEX F 001
reference code according to IEC 81346-2	Q
Substance Prohibitance (Date)	10/01/2009
Ambient conditions	
installation altitude at height above sea level maximum	2 000 m
ambient temperature	
during operation	-20 +60 °C
 during storage 	-50 +80 °C
 during transport 	-50 +80 °C
relative humidity during operation	10 95 %
Main circuit	
number of poles for main current circuit	3
adjustable current response value current of the current-dependent overload release	0.14 0.2 A
operating voltage	
rated value	20 690 V
at AC-3 rated value maximum	690 V
 at AC-3e rated value maximum 	690 V
operating frequency rated value	50 60 Hz
operational current rated value	0.2 A
-	

anarational aurrant	
operational current	0.2 A
 at AC-3 at 400 V rated value at AC-3e at 400 V rated value 	0.2 A
	0.2 A
operating power • at AC-3	
— at 230 V rated value	0 kW
— at 400 V rated value	0.06 kW
— at 500 V rated value	0.1 kW
— at 690 V rated value	0.1 kW
• at AC-3e	
— at 230 V rated value	0 kW
— at 400 V rated value	0.06 kW
— at 500 V rated value	0.1 kW
— at 690 V rated value	0.1 kW
operating frequency	
• at AC-3 maximum	15 1/h
• at AC-3e maximum	15 1/h
Auxiliary circuit	
design of the auxiliary switch	transverse
number of NC contacts for auxiliary contacts	1
number of NO contacts for auxiliary contacts	1
number of CO contacts for auxiliary contacts	0
operational current of auxiliary contacts at AC-15	
• at 24 V	2 A
• at 120 V	0.5 A
• at 125 V	0.5 A
• at 230 V	0.5 A
operational current of auxiliary contacts at DC-13	
• at 24 V	1 A
• at 60 V	0.15 A
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 maximum short-circuit current (Icu)	100 kA
 at AC at 240 V rated value at AC at 400 V rated value 	100 kA 100 kA
at AC at 500 V rated value	100 KA 100 kA
at AC at 690 V rated value	100 kA
breaking capacity operating short-circuit current (Ics)	
at AC	
at 240 V rated value	100 kA
	100 kA 100 kA
• at 240 V rated value	
at 240 V rated valueat 400 V rated value	100 kA
 at 240 V rated value at 400 V rated value at 500 V rated value at 690 V rated value response value current of instantaneous short-circuit trip 	100 kA 100 kA
 at 240 V rated value at 400 V rated value at 500 V rated value at 690 V rated value response value current of instantaneous short-circuit trip unit 	100 kA 100 kA 100 kA
 at 240 V rated value at 400 V rated value at 500 V rated value at 690 V rated value response value current of instantaneous short-circuit trip unit 	100 kA 100 kA 100 kA
 at 240 V rated value at 400 V rated value at 500 V rated value at 690 V rated value response value current of instantaneous short-circuit trip unit UL/CSA ratings full-load current (FLA) for 3-phase AC motor	100 kA 100 kA 100 kA 2.6 A
 at 240 V rated value at 400 V rated value at 500 V rated value at 690 V rated value response value current of instantaneous short-circuit trip unit UL/CSA ratings full-load current (FLA) for 3-phase AC motor at 480 V rated value 	100 kA 100 kA 100 kA 2.6 A 0.2 A
 at 240 V rated value at 400 V rated value at 500 V rated value at 690 V rated value response value current of instantaneous short-circuit trip unit UL/CSA ratings full-load current (FLA) for 3-phase AC motor at 480 V rated value at 600 V rated value 	100 kA 100 kA 100 kA 2.6 A 0.2 A 0.2 A
 at 240 V rated value at 400 V rated value at 500 V rated value at 690 V rated value at 690 V rated value response value current of instantaneous short-circuit trip unit UL/CSA ratings full-load current (FLA) for 3-phase AC motor at 480 V rated value at 600 V rated value at 600 V rated value 	100 kA 100 kA 100 kA 2.6 A 0.2 A
 at 240 V rated value at 400 V rated value at 500 V rated value at 690 V rated value at 690 V rated value response value current of instantaneous short-circuit trip unit UL/CSA ratings full-load current (FLA) for 3-phase AC motor at 480 V rated value at 600 V rated value at 600 V rated value box of auxiliary contacts according to UL Short-circuit protection 	100 kA 100 kA 100 kA 2.6 A 0.2 A 0.2 A 0.2 A C300 / R300
 at 240 V rated value at 400 V rated value at 500 V rated value at 690 V rated value at 690 V rated value response value current of instantaneous short-circuit trip unit UL/CSA ratings full-load current (FLA) for 3-phase AC motor at 480 V rated value at 600 V rated value at 600 V rated value both contact rating of auxiliary contacts according to UL Short-circuit protection product function short circuit protection 	100 kA 100 kA 100 kA 2.6 A 0.2 A 0.2 A 0.2 A C300 / R300 Yes
 at 240 V rated value at 400 V rated value at 500 V rated value at 690 V rated value at 690 V rated value response value current of instantaneous short-circuit trip unit UL/CSA ratings full-load current (FLA) for 3-phase AC motor at 480 V rated value at 600 V rated value at 600 V rated value at 600 V rated value both circuit protection Short-circuit protection design of the short-circuit trip	100 kA 100 kA 100 kA 2.6 A 0.2 A 0.2 A 0.2 A C300 / R300
 at 240 V rated value at 400 V rated value at 500 V rated value at 690 V rated value at 690 V rated value response value current of instantaneous short-circuit trip unit UL/CSA ratings full-load current (FLA) for 3-phase AC motor at 480 V rated value at 600 V rated value at 600 V rated value at 600 V rated value bat 600 V r	100 kA 100 kA 2.6 A 0.2 A 0.2 A C300 / R300 Yes magnetic
 at 240 V rated value at 400 V rated value at 500 V rated value at 690 V rated value at 690 V rated value response value current of instantaneous short-circuit trip unit UL/CSA ratings full-load current (FLA) for 3-phase AC motor at 480 V rated value at 600 V rated value at 600 V rated value contact rating of auxiliary contacts according to UL Short-circuit protection product function short circuit protection design of the short-circuit trip design of the fuse link for short-circuit protection of the auxiliary switch 	100 kA 100 kA 2.6 A 0.2 A 0.2 A 0.2 A C300 / R300 Yes magnetic Fuse gL/gG: 10 A, miniature circuit breaker C 6 A (short-circuit current
 at 240 V rated value at 400 V rated value at 500 V rated value at 690 V rated value response value current of instantaneous short-circuit trip unit UL/CSA ratings full-load current (FLA) for 3-phase AC motor at 480 V rated value at 600 V rated value at 600 V rated value contact rating of auxiliary contacts according to UL Short-circuit protection product function short circuit protection design of the short-circuit trip design of the fuse link for short-circuit protection of the auxiliary switch required 	100 kA 100 kA 2.6 A 0.2 A 0.2 A C300 / R300 Yes magnetic
 at 240 V rated value at 400 V rated value at 500 V rated value at 690 V rated value at 690 V rated value response value current of instantaneous short-circuit trip unit UL/CSA ratings full-load current (FLA) for 3-phase AC motor at 480 V rated value at 600 V rated value contact rating of auxiliary contacts according to UL Short-circuit protection product function short circuit protection design of the short-circuit trip design of the fuse link for short-circuit protection of the auxiliary switch required 	100 kA 100 kA 2.6 A 0.2 A 0.2 A 0.2 A C300 / R300 Yes magnetic Fuse gL/gG: 10 A, miniature circuit breaker C 6 A (short-circuit current Ik < 400 A)
 at 240 V rated value at 400 V rated value at 500 V rated value at 690 V rated value response value current of instantaneous short-circuit trip unit UL/CSA ratings full-load current (FLA) for 3-phase AC motor at 480 V rated value at 600 V rated value at 600 V rated value contact rating of auxiliary contacts according to UL Short-circuit protection product function short circuit protection design of the short-circuit trip design of the fuse link for short-circuit protection of the auxiliary switch required 	100 kA 100 kA 2.6 A 0.2 A 0.2 A 0.2 A C300 / R300 Yes magnetic Fuse gL/gG: 10 A, miniature circuit breaker C 6 A (short-circuit current

	60715
height	106 mm
width	45 mm
depth	97 mm
required spacing	
 with side-by-side mounting at the side 	0 mm
 for grounded parts at 400 V 	
— downwards	30 mm
— upwards	30 mm
— at the side	9 mm
 for live parts at 400 V 	
— downwards	30 mm
— upwards	30 mm
— at the side	9 mm
 for grounded parts at 500 V 	
— downwards	30 mm
— upwards	30 mm
— at the side	9 mm
 for live parts at 500 V 	
— downwards	30 mm
— upwards	30 mm
— at the side	9 mm
 for grounded parts at 690 V 	
— downwards	50 mm
— upwards	50 mm
— backwards	0 mm
— at the side	30 mm
— forwards	0 mm
 for live parts at 690 V 	
— downwards	50 mm
— upwards	50 mm
— backwards	0 mm
— at the side	30 mm
— forwards	0 mm
— forwards Connections/ Terminals	0 mm
forwards Connections/ Terminals type of electrical connection	
forwards Connections/ Terminals type of electrical connection • for main current circuit	spring-loaded terminals
— forwards Connections/ Terminals type of electrical connection • for main current circuit • for auxiliary and control circuit	spring-loaded terminals spring-loaded terminals
— forwards Connections/ Terminals type of electrical connection • for main current circuit • for auxiliary and control circuit arrangement of electrical connectors for main current	spring-loaded terminals
— forwards Connections/ Terminals type of electrical connection • for main current circuit • for auxiliary and control circuit arrangement of electrical connectors for main current circuit	spring-loaded terminals spring-loaded terminals
— forwards Connections/ Terminals type of electrical connection • for main current circuit • for auxiliary and control circuit arrangement of electrical connectors for main current circuit type of connectable conductor cross-sections	spring-loaded terminals spring-loaded terminals
— forwards Connections/ Terminals type of electrical connection • for main current circuit • for auxiliary and control circuit arrangement of electrical connectors for main current circuit type of connectable conductor cross-sections • for main contacts	spring-loaded terminals spring-loaded terminals Top and bottom
 forwards Connections/ Terminals type of electrical connection for main current circuit for auxiliary and control circuit arrangement of electrical connectors for main current circuit type of connectable conductor cross-sections for main contacts solid or stranded 	spring-loaded terminals spring-loaded terminals Top and bottom 2x (0,5 4 mm ²)
 forwards Connections/ Terminals type of electrical connection for main current circuit for auxiliary and control circuit arrangement of electrical connectors for main current circuit type of connectable conductor cross-sections for main contacts solid or stranded finely stranded with core end processing 	spring-loaded terminals spring-loaded terminals Top and bottom 2x (0,5 4 mm ²) 2x (0.5 2.5 mm ²)
 forwards Connections/ Terminals type of electrical connection for main current circuit for auxiliary and control circuit arrangement of electrical connectors for main current circuit type of connectable conductor cross-sections for main contacts solid or stranded finely stranded with core end processing finely stranded without core end processing 	spring-loaded terminals spring-loaded terminals Top and bottom 2x (0,5 4 mm ²) 2x (0.5 2.5 mm ²) 2x (0.5 2.5 mm ²)
 forwards Connections/ Terminals type of electrical connection for main current circuit for auxiliary and control circuit arrangement of electrical connectors for main current circuit type of connectable conductor cross-sections for main contacts solid or stranded finely stranded with core end processing 	spring-loaded terminals spring-loaded terminals Top and bottom 2x (0,5 4 mm ²) 2x (0.5 2.5 mm ²)
 forwards Connections/ Terminals type of electrical connection for main current circuit for auxiliary and control circuit arrangement of electrical connectors for main current circuit type of connectable conductor cross-sections for main contacts solid or stranded finely stranded with core end processing finely stranded without core end processing at AWG cables for main contacts 	spring-loaded terminals spring-loaded terminals Top and bottom 2x (0,5 4 mm ²) 2x (0.5 2.5 mm ²) 2x (0.5 2.5 mm ²)
 forwards Connections/ Terminals type of electrical connection for main current circuit for auxiliary and control circuit arrangement of electrical connectors for main current circuit type of connectable conductor cross-sections for main contacts solid or stranded finely stranded with core end processing at AWG cables for main contacts 	spring-loaded terminals spring-loaded terminals Top and bottom $2x (0.5 \dots 4 mm^2)$ $2x (0.5 \dots 2.5 mm^2)$ $2x (0.5 \dots 2.5 mm^2)$ $2x (20 \dots 12)$
 forwards Connections/ Terminals type of electrical connection for main current circuit for auxiliary and control circuit arrangement of electrical connectors for main current circuit type of connectable conductor cross-sections for main contacts solid or stranded finely stranded with core end processing at AWG cables for main contacts type of connectable conductor cross-sections at AWG cables for main contacts type of connectable conductor cross-sections for auxiliary contacts for auxiliary contacts solid or stranded 	spring-loaded terminals spring-loaded terminals Top and bottom 2x (0.5 4 mm ²) 2x (0.5 2.5 mm ²) 2x (0.5 2.5 mm ²) 2x (20 12) 2x (0.5 2.5 mm ²)
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 – forwards Connections/ Terminals type of electrical connection for main current circuit for auxiliary and control circuit arrangement of electrical connectors for main current circuit type of connectable conductor cross-sections for main contacts solid or stranded finely stranded with core end processing at AWG cables for main contacts for auxiliary contacts for auxiliary contacts solid or stranded finely stranded without core end processing at AWG cables for main contacts type of connectable conductor cross-sections at AWG cables for main contacts type of connectable conductor cross-sections for auxiliary contacts solid or stranded finely stranded with core end processing at auxiliary contacts a solid or stranded finely stranded with core end processing at AWG cables for auxiliary contacts 	spring-loaded terminals spring-loaded terminals Top and bottom 2x (0.5 4 mm ²) 2x (0.5 2.5 mm ²) 2x (0.5 2.5 mm ²) 2x (20 12) 2x (0.5 2.5 mm ²) 2x (0.5 1.5 mm ²) 2x (0.5 1.5 mm ²) 2x (0.5 1.5 mm ²) 2x (20 14)
 – forwards Connections/ Terminals type of electrical connection for main current circuit for auxiliary and control circuit arrangement of electrical connectors for main current circuit type of connectable conductor cross-sections for main contacts solid or stranded finely stranded with core end processing at AWG cables for main contacts for auxiliary contacts for auxiliary contacts for auxiliary contacts for auxiliary contacts at AWG cables for main contacts at AWG cables for main contacts at auxiliary contacts and the core end processing and the core end processing and the conductor cross-sections 	spring-loaded terminals spring-loaded terminals Top and bottom 2x (0.5 4 mm ²) 2x (0.5 2.5 mm ²) 2x (0.5 2.5 mm ²) 2x (20 12) 2x (0.5 2.5 mm ²) 2x (0.5 1.5 mm ²) 2x (0.5 1.5 mm ²) 2x (20 14) Diameter 3 mm
 – forwards Connections/ Terminals type of electrical connection for main current circuit for auxiliary and control circuit arrangement of electrical connectors for main current circuit type of connectable conductor cross-sections for main contacts solid or stranded finely stranded with core end processing at AWG cables for main contacts for auxiliary contacts asolid or stranded finely stranded without core end processing at AWG cables for main contacts type of connectable conductor cross-sections at AWG cables for main contacts for auxiliary contacts for auxiliary contacts a solid or stranded finely stranded with core end processing at AWG cables for auxiliary contacts a solid or stranded finely stranded with core end processing at AWG cables for auxiliary contacts design of screwdriver shaft size of the screwdriver tip 	spring-loaded terminals spring-loaded terminals Top and bottom 2x (0.5 4 mm ²) 2x (0.5 2.5 mm ²) 2x (0.5 2.5 mm ²) 2x (20 12) 2x (0.5 2.5 mm ²) 2x (0.5 1.5 mm ²) 2x (0.5 1.5 mm ²) 2x (20 14) Diameter 3 mm
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 – forwards Connections/ Terminals type of electrical connection for main current circuit for auxiliary and control circuit arrangement of electrical connectors for main current circuit type of connectable conductor cross-sections for main contacts solid or stranded finely stranded with core end processing at AWG cables for main contacts type of connectable conductor cross-sections at AWG cables for main contacts type of connectable conductor cross-sections at AWG cables for main contacts type of connectable conductor cross-sections at AWG cables for main contacts type of connectable conductor cross-sections at AWG cables for main contacts type of connectable conductor cross-sections at AWG cables for auxiliary contacts solid or stranded finely stranded with core end processing at AWG cables for auxiliary contacts design of screwdriver shaft size of the screwdriver shaft size of the screwdriver tip Safety related data B10 value with high demand rate according to SN 31920 	spring-loaded terminals spring-loaded terminals Top and bottom $2x (0.5 4 mm^2)$ $2x (0.5 2.5 mm^2)$ $2x (0.5 2.5 mm^2)$ 2x (20 12) $2x (0.5 2.5 mm^2)$ $2x (0.5 1.5 mm^2)$ $2x (0.5 1.5 mm^2)$ 2x (20 14) Diameter 3 mm $3,0 \times 0,5 mm$
 – forwards Connections/ Terminals type of electrical connection for main current circuit for auxiliary and control circuit arrangement of electrical connectors for main current circuit type of connectable conductor cross-sections for main contacts solid or stranded finely stranded with core end processing at AWG cables for main contacts type of connectable conductor cross-sections at AWG cables for main contacts type of connectable conductor cross-sections at AWG cables for main contacts for auxiliary contacts solid or stranded finely stranded with core end processing at AWG cables for auxiliary contacts solid or stranded finely stranded with core end processing at AWG cables for auxiliary contacts design of screwdriver shaft size of the screwdriver tip Safety related data 	spring-loaded terminals spring-loaded terminals Top and bottom $2x (0.5 4 mm^2)$ $2x (0.5 2.5 mm^2)$ $2x (0.5 2.5 mm^2)$ 2x (20 12) $2x (0.5 2.5 mm^2)$ $2x (0.5 1.5 mm^2)$ $2x (0.5 1.5 mm^2)$ 2x (20 14) Diameter 3 mm $3,0 \times 0,5 mm$
 – forwards Connections/ Terminals type of electrical connection for main current circuit for auxiliary and control circuit arrangement of electrical connectors for main current circuit type of connectable conductor cross-sections for main contacts solid or stranded finely stranded with core end processing at AWG cables for main contacts type of connectable conductor cross-sections at AWG cables for main contacts type of connectable conductor cross-sections at AWG cables for main contacts type of connectable conductor cross-sections at AWG cables for main contacts type of connectable conductor cross-sections for auxiliary contacts solid or stranded finely stranded with core end processing at AWG cables for auxiliary contacts at AWG cables for auxiliary contacts design of screwdriver shaft size of the screwdriver shaft size of the screwdriver tip Safety related data B10 value with high demand rate according to SN 31920 proportion of dangerous failures 	spring-loaded terminals spring-loaded terminals Top and bottom 2x (0.5 4 mm ²) 2x (0.5 2.5 mm ²) 2x (0.5 2.5 mm ²) 2x (20 12) 2x (0.5 2.5 mm ²) 2x (0.5 1.5 mm ²) 2x (0.5 1.5 mm ²) 2x (20 14) Diameter 3 mm 3,0 x 0,5 mm
 – forwards Connections/ Terminals type of electrical connection for main current circuit for auxiliary and control circuit arrangement of electrical connectors for main current circuit type of connectable conductor cross-sections for main contacts solid or stranded finely stranded with core end processing at AWG cables for main contacts for auxiliary contacts for auxiliary contacts solid or stranded finely stranded without core end processing at AWG cables for main contacts type of connectable conductor cross-sections for auxiliary contacts solid or stranded finely stranded with core end processing at AWG cables for auxiliary contacts solid or stranded finely stranded with core end processing at AWG cables for auxiliary contacts design of screwdriver shaft size of the screwdriver tip Safety related data B10 value with high demand rate according to SN 31920 with low demand rate according to SN 31920 	spring-loaded terminals spring-loaded terminals Top and bottom 2x (0,5 4 mm ²) 2x (0.5 2.5 mm ²) 2x (0.5 2.5 mm ²) 2x (20 12) 2x (0.5 2.5 mm ²) 2x (0.5 1.5 mm ²) 2x (0.5 1.5 mm ²) 2x (20 14) Diameter 3 mm 3,0 x 0,5 mm
 – forwards Connections/ Terminals type of electrical connection for main current circuit for auxiliary and control circuit arrangement of electrical connectors for main current circuit type of connectable conductor cross-sections for main contacts solid or stranded finely stranded with core end processing at AWG cables for main contacts type of connectable conductor cross-sections at AWG cables for main contacts type of connectable conductor cross-sections at AWG cables for main contacts type of connectable conductor cross-sections at AWG cables for main contacts solid or stranded finely stranded with core end processing at AWG cables for auxiliary contacts solid or stranded finely stranded with core end processing at AWG cables for auxiliary contacts design of screwdriver shaft size of the screwdriver tip Safety related data B10 value with high demand rate according to SN 31920 with low demand rate according to SN 31920 with high demand rate according to SN 31920 	spring-loaded terminals spring-loaded terminals Top and bottom 2x (0.5 4 mm ²) 2x (0.5 2.5 mm ²) 2x (0.5 2.5 mm ²) 2x (20 12) 2x (0.5 2.5 mm ²) 2x (0.5 1.5 mm ²) 2x (0.5 1.5 mm ²) 2x (20 14) Diameter 3 mm 3,0 x 0,5 mm
 – forwards Connections/ Terminals type of electrical connection for main current circuit for auxiliary and control circuit arrangement of electrical connectors for main current circuit type of connectable conductor cross-sections for main contacts solid or stranded finely stranded with core end processing at AWG cables for main contacts for auxiliary contacts solid or stranded finely stranded without core end processing at AWG cables for main contacts type of connectable conductor cross-sections for auxiliary contacts goild or stranded finely stranded with core end processing at AWG cables for auxiliary contacts solid or stranded finely stranded with core end processing at AWG cables for auxiliary contacts asolid or stranded finely stranded without core end processing at AWG cables for auxiliary contacts design of screwdriver shaft size of the screwdriver tip Safety related data B10 value with high demand rate according to SN 31920 proportion of dangerous failures with high demand rate according to SN 31920 with high demand rate according to SN 31920 with high demand rate according to SN 31920 	spring-loaded terminals spring-loaded terminals Top and bottom 2x (0,5 4 mm ²) 2x (0,5 2.5 mm ²) 2x (0,5 2.5 mm ²) 2x (20 12) 2x (0,5 1.5 mm ²) 2x (0,5 1.5 mm ²) 2x (20 14) Diameter 3 mm 3,0 x 0,5 mm



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Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RV2011-0BA25

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

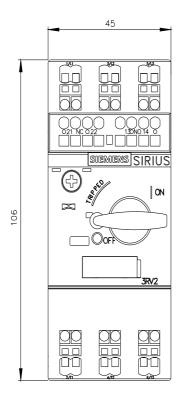
https://support.industry.siemens.com/cs/ww/en/ps/3RV2011-0BA

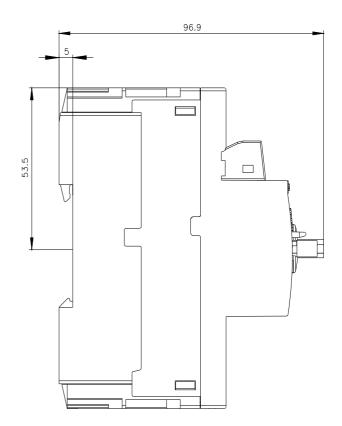
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RV2011-0BA25&lang=en

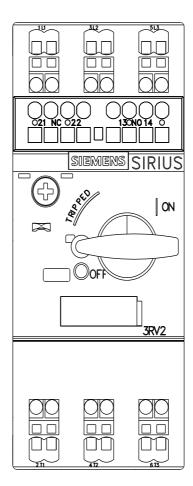
Characteristic: Tripping characteristics, I²t, Let-through current

https://support.industry.siemens.com/cs/ww/en/ps/3RV2011-0BA25/char

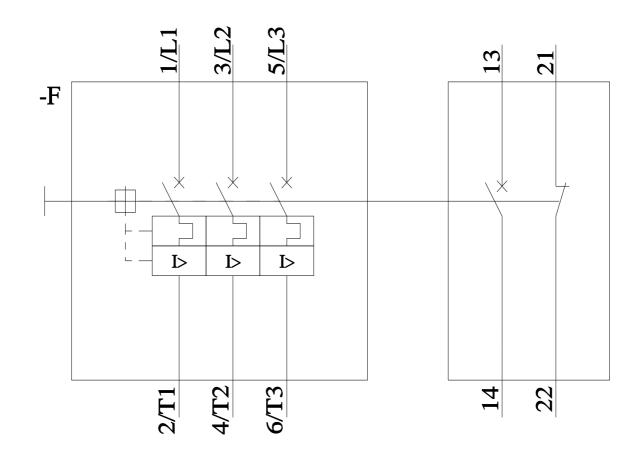
Further characteristics (e.g. electrical endurance, switching frequency) http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RV2011-0BA25&objecttype=14&gridview=view1







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