SIEMENS

Data sheet 3RV2032-4XA10



Circuit breaker size S2 for motor protection, CLASS 10 A-release 49...59 A N-release 845 A screw terminal increased switching capacity



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	S2	
size of contactor can be combined company-specific	S2	
product extension auxiliary switch	Yes	
power loss [W] for rated value of the current		
 at AC in hot operating state 	26 W	
 at AC in hot operating state per pole 	8.7 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 Sinus	
mechanical service life (operating cycles)		
 of the main contacts typical 	20 000	
 of auxiliary contacts typical 	20 000	
electrical endurance (operating cycles) typical	20 000	
reference code according to IEC 81346-2	Q	
Substance Prohibitance (Date)	03/01/2017	
SVHC substance name	Lead - 7439-92-1 Lead titanium zirconium oxide - 12626-81-2	
Weight	1.181 kg	
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 %	
Environmental footprint		
Environmental Product Declaration(EPD)	Yes	
global warming potential [CO2 eq] total	239.877 kg	
global warming potential [CO2 eq] during manufacturing	12.8 kg	
global warming potential [CO2 eq] during sales	0.477 kg	
global warming potential [CO2 eq] during operation	230 kg	
global warming potential [CO2 eq] after end of life	-3.4 kg	

Signans Eco Profile (SED)	Siemens EcoTech
Siemens Eco Profile (SEP)	OICHICHS ECUTECIT
Main circuit	
number of poles for main current circuit	3
adjustable current response value current of the current- dependent overload release	49 59 A
type of voltage for main current circuit	AC
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	59 A
operational current	
at AC-3 at 400 V rated value	59 A
 at AC-3e at 400 V rated value 	59 A
operating power	
• at AC-3	
— at 230 V rated value	15 kW
— at 400 V rated value	30 kW
— at 500 V rated value	37 kW
— at 690 V rated value	55 kW
• at AC-3e	
— at 230 V rated value	15 kW
— at 400 V rated value	30 kW
— at 500 V rated value	37 kW
— at 690 V rated value	55 kW
operating frequency	AF All-
• at AC-3 maximum	15 1/h
at AC-3e maximum	15 1/h
Auxiliary circuit	
type of voltage for auxiliary and control circuit	AC/DC
number of NC contacts for auxiliary contacts	0
number of NO contacts for auxiliary contacts	0
number of CO contacts for auxiliary contacts	0
Protective and monitoring functions	
product function	
 ground fault detection 	No
phase failure detection	Yes
trip class	CLASS 10
design of the overload release	thermal
	uleimai
maximum short-circuit current breaking capacity (Icu)	uleiiilai
maximum short-circuit current breaking capacity (Icu) • at AC at 240 V rated value	100 kA
• at AC at 240 V rated value	100 kA
at AC at 240 V rated valueat AC at 400 V rated value	100 kA 100 kA
 at AC at 240 V rated value at AC at 400 V rated value at AC at 500 V rated value 	100 kA 100 kA 10 kA
 at AC at 240 V rated value at AC at 400 V rated value at AC at 500 V rated value at AC at 690 V rated value 	100 kA 100 kA 10 kA
 at AC at 240 V rated value at AC at 400 V rated value at AC at 500 V rated value at AC at 690 V rated value operating short-circuit current breaking capacity (Ics) at AC at 240 V rated value 	100 kA 100 kA 10 kA 6 kA
 at AC at 240 V rated value at AC at 400 V rated value at AC at 500 V rated value at AC at 690 V rated value operating short-circuit current breaking capacity (Ics) at AC at 240 V rated value at 400 V rated value 	100 kA 100 kA 10 kA 6 kA 100 kA 50 kA
 at AC at 240 V rated value at AC at 400 V rated value at AC at 500 V rated value at AC at 690 V rated value operating short-circuit current breaking capacity (Ics) at AC at 240 V rated value at 400 V rated value at 500 V rated value 	100 kA 100 kA 10 kA 6 kA 100 kA 50 kA
 at AC at 240 V rated value at AC at 400 V rated value at AC at 500 V rated value at AC at 690 V rated value operating short-circuit current breaking capacity (Ics) at AC 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 at 690 V rated value 	100 kA 100 kA 10 kA 6 kA 100 kA 50 kA 5 kA 4 kA
 at AC at 240 V rated value at AC at 400 V rated value at AC at 500 V rated value at AC at 690 V rated value operating short-circuit current breaking capacity (Ics) at AC 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 10 kA 6 kA 100 kA 50 kA
 at AC at 240 V rated value at AC at 400 V rated value at AC at 500 V rated value at AC at 690 V rated value operating short-circuit current breaking capacity (Ics) at AC 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	100 kA 100 kA 10 kA 6 kA 100 kA 50 kA 5 kA 4 kA
 at AC at 240 V rated value at AC at 400 V rated value at AC at 500 V rated value at AC at 690 V rated value operating short-circuit current breaking capacity (Ics) at AC 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 10 kA 6 kA 100 kA 50 kA 5 kA 4 kA
 at AC at 240 V rated value at AC at 400 V rated value at AC at 500 V rated value at AC at 690 V rated value operating short-circuit current breaking capacity (Ics) at AC 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 10 kA 6 kA 100 kA 50 kA 5 kA 4 kA 845 A
 at AC at 240 V rated value at AC at 400 V rated value at AC at 500 V rated value at AC at 690 V rated value operating short-circuit current breaking capacity (Ics) at AC 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 10 kA 6 kA 100 kA 50 kA 5 kA 4 kA
at AC at 240 V rated value at AC at 400 V rated value at AC at 500 V rated value at AC at 690 V rated value operating short-circuit current breaking capacity (Ics) at AC 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 yielded mechanical performance [hp]	100 kA 100 kA 10 kA 6 kA 100 kA 50 kA 5 kA 4 kA 845 A
at AC at 240 V rated value at AC at 400 V rated value at AC at 500 V rated value at AC at 690 V rated value operating short-circuit current breaking capacity (Ics) at AC 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 for single-phase AC motor for single-phase AC motor	100 kA 100 kA 10 kA 6 kA 100 kA 50 kA 5 kA 4 kA 845 A
 at AC at 240 V rated value at AC at 400 V rated value at AC at 500 V rated value at AC at 690 V rated value operating short-circuit current breaking capacity (Ics) at AC 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 for single-phase AC motor at 110/120 V rated value 	100 kA 100 kA 10 kA 6 kA 100 kA 50 kA 5 kA 4 kA 845 A
 at AC at 240 V rated value at AC at 400 V rated value at AC at 500 V rated value at AC at 690 V rated value operating short-circuit current breaking capacity (Ics) at AC 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 for single-phase AC motor at 110/120 V rated value at 230 V rated value 	100 kA 100 kA 10 kA 6 kA 100 kA 50 kA 5 kA 4 kA 845 A
 at AC at 240 V rated value at AC at 400 V rated value at AC at 500 V rated value at AC at 690 V rated value operating short-circuit current breaking capacity (Ics) at AC 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 for single-phase AC motor at 110/120 V rated value 	100 kA 100 kA 10 kA 6 kA 100 kA 50 kA 5 kA 4 kA 845 A

	-1.400/400 V	40 hrs
Short-increal protection Yes Onesign of the subsellink for if network for short-circuit product function short circuit protection Yes Onesign of the subsellink for if network for short-circuit Protection Yes Ones required	— at 460/480 V rated value	40 hp
product function short circuit type design of the fact inclusit type design of the fact function design of the fact function circuit production of the mini circuit at 240 V		5U NP
design of the size lank for IT network for short-circuit protection of the main circuit		Vec
design of the fuse link for IT network for short-circuit	<u> </u>	
val 240 V val 400 V val		magnetic
* at 500 V	protection of the main circuit	
# 1500 V		
100 100		
mounting position fastening method screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 helght width 55 mm depth 149 mm required spacing • with side-by-side mounting at the side • for grounded parts at 400 V — downwards — at the side • for live parts at 400 V — downwards — at the side • for live parts at 500 V — downwards — ownwards — ownwar		
mounting position fastening method height vidth depth 140 mm vidth depth 199 mm required specing • with side-by-side mounting at the side • for grounded parts at 400 V — downwards — upwards — at the side • for grounded parts at 500 V — downwards — at the side • for grounded parts at 500 V — downwards — oupwards — at the side • for grounded parts at 500 V — downwards — oupwards — oupwards — out the side • for grounded parts at 500 V — downwards — out the side • for live parts at 500 V — downwards — out the side • for live parts at 500 V — downwards — out the side • for live parts at 500 V — downwards — out the side • for live parts at 500 V — downwards — out the side • for live parts at 500 V — downwards — out the side • for live parts at 500 V — downwards — upwards — out the side • for live parts at 500 V — downwards — upwards — out the side • for live parts at 500 V — downwards — upwards — out the side • for live parts at 500 V — downwards — upwards — out the side • for live parts at 680 V — downwards — upwards — out the side • for live parts at 680 V — downwards — out the side • for live parts at 680 V — downwards — out the side • for live parts at 680 V — downwards — out the side • for live parts at 680 V — downwards — out the side • for live parts at 680 V — downwards — out the side • for live parts at 680 V — downwards — out the side • for live parts at 680 V — downwards — out the side • for live parts at 680 V — downwards — out the side • for live parts at 680 V — downwards — out the side • for live parts at 680 V — downwards — out the side • for live parts at 680 V — downwards — out the side • for live parts at 680 V — downwards — out the side • for live parts at 680 V — downwards — out the side • for live parts at 680 V — downwards — out the side • for live parts at 680 V — downwards — out the side • for live parts at 680 V — downwards — out the side • for live parts at 680 V — downwards — out the side • for live parts at 680 V — downwards — out the side • for live parts at 680 V — downwards — out the		100
Serew and snap-on mounting onto 35 mm DIN rail according to DIN EN 69715		2004
Meight M		·
Vertical Spacing		
depth 149 mm		
required spacing • with side-by-side mounting at the side • for grounded parts at 400 V — downwards — upwards — at the side • for live parts at 400 V — downwards — upwards — upwards — upwards — at the side • for grounded parts at 500 V — downwards — or for grounded parts at 500 V — downwards — upwards — or for live parts at 500 V — downwards • for live parts at 500 V — downwards • for live parts at 500 V — downwards — at the side • for grounded parts at 690 V — downwards — at the side • for for live parts at 690 V — downwards — upwards — upwards — upwards — upwards — upwards — or for live parts at 690 V — downwards — upwards — or for live parts at 690 V — downwards — or file parts at 690 V — downwards — or file parts at 690 V — downwards — or file parts at 690 V — downwards — or file parts at 690 V — downwards — or file parts at 690 V — downwards — or file parts at 690 V — or file parts at 690 V		
• with side-by-side mounting at the side • for grounded parts at 400 V - downwards - upwards - at the side • for live parts at 400 V - downwards - upwards - at the side • for live parts at 400 V - downwards - upwards - at the side • for grounded parts at 500 V - downwards - of grounded parts at 500 V - downwards - upwards - at the side • for grounded parts at 500 V - downwards - at the side • for live parts at 500 V - downwards - at the side • for live parts at 500 V - downwards - at the side • for live parts at 500 V - downwards - upwards - at the side • for grounded parts at 600 V - downwards - at the side • for grounded parts at 600 V - downwards - at the side • for grounded parts at 600 V - downwards - upwards - of lown parts at 600 V - downwards - upwards - of lown parts at 600 V - downwards - upwards - of lown parts at 600 V - downwards - of or live parts at 600 V - downwards - of lown parts at 600 V - downwards - of or live parts at 600 V - downwards - of or live parts at 600 V - downwards - of or live parts at 600 V - downwards - of or live parts at 600 V - downwards - of or live parts at 600 V - downwards - of or live parts at 600 V - downwards - of or live parts at 600 V - downwards - of or live parts at 600 V - downwards - of or live parts at 600 V - downwards - of or live parts at 600 V - downwards - of or live parts at 600 V - downwards - of or live parts at 600 V - downwards - of lown parts at 600 V - downwards - of lown parts at 600 V - downwards - of lown parts at 600 V - downwards - of lown parts at 600 V - downwards - of lown parts at 600 V - downwards - of lown parts at 600 V - downwards - of lown parts at 600 V - downwards - of lown parts at 600 V - downwards - of lown parts at 600 V - downwards - of lown parts at 600 V - downwards - of lown parts at 600 V - downwards - of lown parts at 600 V - downwards - of lown parts at 600 V - downwards - of lown parts at 600 V - downwards - of lown parts at 600 V - downwards - of lown parts at 600 V - downwards - of lown parts at 600 V - downwards - of	•	170 11111
• for grounded parts at 400 V		0 mm
- downwards	•	V
- upwards		50 mm
• for live parts at 400 V - downwards - upwards - at the side • for grounded parts at 500 V - downwards - upwards - upwards - upwards - upwards - upwards - upwards - of grounded parts at 500 V - downwards - of live parts at 500 V - downwards - for live parts at 500 V - downwards - upwards - upwards - upwards - upwards - of grounded parts at 890 V - downwards - of grounded parts at 890 V - downwards - upwards - of live parts at 690 V - downwards - upwards - of live parts at 690 V - downwards - upwards - of live parts at 690 V - downwards - of live parts at 690 V - downwards - upwards - up		
• for live parts at 400 V - downwards - upwards - at the side - tor grounded parts at 500 V - downwards - upwards - at the side - upwards - at the side - tor live parts at 500 V - downwards - other side - to live parts at 500 V - downwards - upwards - upwards - at the side - to many side side side side side side side side	•	
- downwards		
- upwards	•	50 mm
- at the side		
of grounded parts at 500 V downwards	·	
- downwards		
- at the side • for live parts at 500 V - downwards - upwards - at the side • for grounded parts at 690 V - downwards - upwards - upwards - upwards - at the side • for live parts at 690 V - downwards - at the side • for live parts at 690 V - downwards - at the side • for live parts at 690 V - downwards - upwards - upwards - upwards - upwards - upwards - at the side • for min current circuit **Connections/ Terminals** **Top of electrical connection • for main current circuit **Top and bottom - for main contacts - solid or stranded - finely stranded with core end processing • for AWG cables for main contacts • for AWG cables for main contacts • for main contacts with screw-type terminals **Jone of the side of the connection screw • for main contacts with screw-type terminals **Jone of the side of the connection screw • for main contacts with screw-type terminals **Jone of the side of the connection screw • for main contacts • for main contacts with screw-type terminals **Jone of the screwdriver shaft **Jone of the screwdriver shaf		50 mm
• for live parts at 500 V — downwards — upwards — at the side 50 mm • for grounded parts at 690 V — downwards — upwards — upwards — upwards — the side 10 mm • for live parts at 690 V — downwards — of the side • for live parts at 690 V — downwards — of the side • for live parts at 690 V — downwards — at the side • for live parts at 690 V — downwards — at the side • for main contection • for main current circuit type of electrical connection • for main current circuit type of connectable conductor cross-sections • for main contacts — solid or stranded — finely stranded with core end processing • for AWG cables for main contacts • for main contacts • for main contacts • for main contacts with screw-type terminals 2x (1 35 mm²), 1x (1 50 mm²) • for AWG cables for main contacts • for main contacts with screw-type terminals design of screwdriver shaft blameter 5 to 6 mm size of the screwdriver shaft Diameter 5 to 6 mm size of the screwdriver shaft Diameter 5 to 6 mm Safety related data	— upwards	50 mm
- downwards - upwards - at the side 10 mm • for grounded parts at 690 V - downwards - upwards - upwards - at the side 10 mm • for live parts at 690 V - downwards - other side • for live parts at 690 V - downwards - upwards - upwards - upwards - upwards - upwards - at the side 10 mm • for min current circuit connections/ Terminals type of electrical connection • for main current 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 • for AWG cables for main contacts tightening torque • for main contacts with screw-type terminals 3 4.5 N·m design of screwdriver shaft biase of the screwdriver shaft pozidiri size 2 design of the thread of the connection screw • for main contacts N6 Safety related data	— at the side	10 mm
- upwards - at the side • for grounded parts at 690 V - downwards - upwards - at the side • for live parts at 690 V - downwards • for live parts at 690 V - downwards - upwards - outwood of the side • for live parts at 690 V - downwards - upwards - at the side - to mm Connections/ Terminals type of electrical connection • for main current 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 • for AWG cables for main contacts 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 shaft Diameter 5 to 6 mm size of the screwdriver tip Pozidriv size 2 design of the thread of the connection screw • for main contacts • for m	• for live parts at 500 V	
- at the side • for grounded parts at 690 V - downwards - upwards - at the side • for live parts at 690 V - downwards - upwards • for live parts at 690 V - downwards - upwards - upwards - at the side • for mine parts at 690 V - downwards - upwards - at the side • for mm - or main current circuit arrangement of electrical connection • for main current circuit type of connectable conductor cross-sections • for main contacts - solid or stranded - finely stranded with core end processing • for AWG cables for main contacts tightening torque • for main contacts with screw-type terminals design of screwdriver shaft bianeter 5 to 6 mm pozidriv size 2 M6 Safety related data	— downwards	50 mm
• for grounded parts at 690 V — downwards — upwards — at the side 50 mm • for live parts at 690 V — downwards — upwards — upwards — upwards — upwards — upwards — of mine contection • for main contacts • for MWG cables for main contacts • for main contacts with screw-type terminals tightening torque • for main contacts • for main contacts with screw-type terminals 150 mm 10 mm 1	— upwards	50 mm
- downwards - upwards - at the side • for live parts at 690 V - downwards - upwards - upwards - upwards - upwards - upwards - at the side **To mm **Connections/ Terminals **Top of electrical connection • for main contacts **Top and bottom *		10 mm
- upwards - at the side 10 mm • for live parts at 690 V - downwards - upwards 50 mm - at the side 10 mm Connections/ Terminals type of electrical connection • for main current 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 • for AWG cables for main contacts • for main contacts with screw-type terminals 3 4.5 N·m design of screwdriver shaft size of the screwdriver tip design of the thread of the connection screw • for main contacts M6 Safety related data		
- at the side • for live parts at 690 V - downwards - upwards - at the side 10 mm Connections/ Terminals type of electrical connecton • for main current 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 • for AWG cables for main contacts • for main contacts • for main contacts - for main contacts - solid or stranded - finely stranded with core end processing • for AWG cables for main contacts • for main contacts with screw-type terminals design of screwdriver shaft size of the screwdriver tip design of the thread of the connection screw • for main contacts • for main contacts M6 Safety related data		
for live parts at 690 V — downwards	·	
- downwards 50 mm - upwards 50 mm - at the side 10 mm Connections/ Terminals type of electrical connection • for main current circuit screw-type terminals arrangement of electrical connectors for main current circuit type of connectable conductor cross-sections • for main contacts - solid or stranded 2x (1 35 mm²), 1x (1 50 mm²) - finely stranded with core end processing 2x (1 25 mm²), 1x (1 35 mm²) • for 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 size 2 design of the thread of the connection screw • for main contacts M6 Safety related data		10 mm
- upwards 50 mm - at the side 10 mm Connections/ Terminals type of electrical connection	•	F0
— at the side 10 mm Connections/ Terminals type of electrical connection • for main current circuit screw-type terminals 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 2x (1 35 mm²), 1x (1 50 mm²) — finely stranded with core end processing 2x (1 25 mm²), 1x (1 35 mm²) • for AWG cables for main contacts 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 size 2 design of the thread of the connection screw • for main contacts M6 Safety related data		
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type of electrical connection • for main current 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 • for AWG cables for main contacts 2x (1 35 mm²), 1x (1 50 mm²) — finely stranded with core end processing 2x (1 25 mm²), 1x (1 35 mm²) • for AWG cables for main contacts 2x (1 25 mm²), 1x (1 35 mm²) 2x (1 25 mm²) • 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 size 2 design of the thread of the connection screw • for main contacts M6 Safety related data		IU IIIIII
of for main current circuit arrangement of electrical connectors for main current circuit type of connectable conductor cross-sections of for main contacts	<u> </u>	
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 • for AWG cables for main contacts • for main contacts 2x (1 35 mm²), 1x (1 50 mm²) 2x (1 25 mm²), 1x (1 35 mm²) 2x (1 25 mm²) 3 4.5 N·m design of crewdriver shaft Diameter 5 to 6 mm size of the screwdriver tip design of the thread of the connection screw • for main contacts M6 Safety related data		scraw-tyng terminals
type of connectable conductor cross-sections • for main contacts — solid or stranded — finely stranded with core end processing • for AWG cables for main contacts • for main contacts with screw-type terminals • for main contacts with screw-type terminals design of screwdriver shaft size of the screwdriver tip design of the thread of the connection screw • for main contacts M6 Safety related data		2.
 for main contacts — solid or stranded — finely stranded with core end processing — for AWG cables for main contacts • for main contacts • for main contacts with screw-type terminals design of screwdriver shaft size of the screwdriver tip • for main contacts • for main contacts M6 Safety related data 		repaire solution
 for main contacts — solid or stranded — finely stranded with core end processing — for AWG cables for main contacts • for main contacts • for main contacts with screw-type terminals design of screwdriver shaft size of the screwdriver tip • for main contacts • for main contacts M6 Safety related data 	type of connectable conductor cross-sections	
- finely stranded with core end processing • for AWG cables for main contacts 2x (1 25 mm²), 1x (1 35 mm²) • for 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 size 2 design of the thread of the connection screw • for main contacts M6 Safety related data		
for 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 size 2 design of the thread of the connection screw • for main contacts M6 Safety related data	— solid or stranded	2x (1 35 mm²), 1x (1 50 mm²)
tightening torque • for main contacts with screw-type terminals design of screwdriver shaft Diameter 5 to 6 mm size of the screwdriver tip Pozidriv size 2 design of the thread of the connection screw • for main contacts M6 Safety related data	— finely stranded with core end processing	2x (1 25 mm²), 1x (1 35 mm²)
for main contacts with screw-type terminals design of screwdriver shaft Diameter 5 to 6 mm size of the screwdriver tip Pozidriv size 2 design of the thread of the connection screw for main contacts M6 Safety related data	for AWG cables for main contacts	2x (18 2), 1x (18 1)
design of screwdriver shaft size of the screwdriver tip Pozidriv size 2 design of the thread of the connection screw of or main contacts M6 Safety related data		
size of the screwdriver tip design of the thread of the connection screw of for main contacts M6 Safety related data	·	
design of the thread of the connection screw		
• for main contacts Safety related data M6	·	Pozidriv size 2
Safety related data		
		M6
product function suitable for safety function Yes		
	product function suitable for safety function	Yes

suitability for use • safety-related switching on • safety-related switching OFF Service life maximum 10 a test wear-related service life necessary proportion of dangerous failures • with low demand rate according to SN 31920 • with high demand rate according to SN 31920 50 % B10 value with high demand rate according to SN 31920 failure rate [FIT] with low demand rate according to SN 31920 ISO 13849 device type according to ISO 13849-1 overdimensioning according to ISO 13849-2 necessary IEC 61508 safety device type according to IEC 61508-2 Type A T1 value • for proof test interval or service life according to IEC 10 a		
safety-related switching OFF service life maximum 10 a test wear-related service life necessary Yes proportion of dangerous failures with low demand rate according to SN 31920 with high demand rate according to SN 31920 with high demand rate according to SN 31920 B10 value with high demand rate according to SN 31920 failure rate [FIT] with low demand rate according to SN 31920 ISO 13849 device type according to ISO 13849-1 overdimensioning according to ISO 13849-2 necessary IEC 61508 safety device type according to IEC 61508-2 Type A T1 value	suitability for use	
service life maximum test wear-related service life necessary proportion of dangerous failures with low demand rate according to SN 31920 with high demand rate according to SN 31920 B10 value with high demand rate according to SN 31920 failure rate [FIT] with low demand rate according to SN 31920 ISO 13849 device type according to ISO 13849-1 overdimensioning according to ISO 13849-2 necessary IEC 61508 safety device type according to IEC 61508-2 Type A	 safety-related switching on 	No
test wear-related service life necessary proportion of dangerous failures • with low demand rate according to SN 31920 • with high demand rate according to SN 31920 B10 value with high demand rate according to SN 31920 failure rate [FIT] with low demand rate according to SN 31920 ISO 13849 device type according to ISO 13849-1 overdimensioning according to ISO 13849-2 necessary IEC 61508 safety device type according to IEC 61508-2 Type A T1 value	safety-related switching OFF	Yes
proportion of dangerous failures • with low demand rate according to SN 31920 • with high demand rate according to SN 31920 B10 value with high demand rate according to SN 31920 failure rate [FIT] with low demand rate according to SN 31920 ISO 13849 device type according to ISO 13849-1 overdimensioning according to ISO 13849-2 necessary IEC 61508 safety device type according to IEC 61508-2 Type A T1 value	service life maximum	10 a
 with low demand rate according to SN 31920 with high demand rate according to SN 31920 B10 value with high demand rate according to SN 31920 failure rate [FIT] with low demand rate according to SN 31920 ISO 13849 device type according to ISO 13849-1 overdimensioning according to ISO 13849-2 necessary IEC 61508 safety device type according to IEC 61508-2 Type A 	test wear-related service life necessary	Yes
● 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 31920 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 Type A T1 value	proportion of dangerous failures	
B10 value with high demand rate according to SN 31920 failure rate [FIT] with low demand rate according to SN 31920 ISO 13849 device type according to ISO 13849-1 overdimensioning according to ISO 13849-2 necessary IEC 61508 safety device type according to IEC 61508-2 Type A	 with low demand rate according to SN 31920 	40 %
failure rate [FIT] with low demand rate according to SN 31920 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 Type A T1 value	 with high demand rate according to SN 31920 	50 %
31920 ISO 13849 device type according to ISO 13849-1 overdimensioning according to ISO 13849-2 necessary IEC 61508 safety device type according to IEC 61508-2 T1 value T1 value	B10 value with high demand rate according to SN 31920	5 000
device type according to ISO 13849-1 overdimensioning according to ISO 13849-2 necessary IEC 61508 safety device type according to IEC 61508-2 Type A T1 value		50 FIT
overdimensioning according to ISO 13849-2 necessary IEC 61508 safety device type according to IEC 61508-2 T1 value Yes Type A	ISO 13849	
IEC 61508 safety device type according to IEC 61508-2 T1 value Type A	device type according to ISO 13849-1	3
safety device type according to IEC 61508-2 Type A Type A	overdimensioning according to ISO 13849-2 necessary	Yes
T1 value	IEC 61508	
	safety device type according to IEC 61508-2	Type A
• for proof test interval or service life according to IEC 10.3	T1 value	
61508	 for proof test interval or service life according to IEC 61508 	10 a
Electrical Safety	Electrical Safety	
protection class IP on the front according to IEC 60529 IP20	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	touch protection on the front according to IEC 60529	finger-safe, for vertical contact from the front
Display	Display	
display version for switching status Handle	display version for switching status	Handle
Approvals Certificates	Approvals Certificates	



General Product Approval







<u>KC</u>



General Product Approval

For use in hazardous locations

Test Certificates

Marine / Shipping

BIS CRS



IECEx



Special Test Certificate

Type Test Certificates/Test Report



Marine / Shipping











Miscellaneous

other

other Railway

Environment

Confirmation



Special Test Certificate

Confirmation



Siemens EcoTech



Environment

Environmental Confirmations

Further information

Information on the packaging

https://support.industry.siemens.com/cs/ww/en/view/109813875

Information- and Downloadcenter (Catalogs, Brochures,...)

Industry Mall (Online ordering system)

https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RV2032-4XA10

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RV2032-4XA10

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

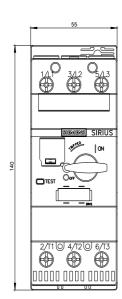
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RV2032-4XA10&lang=en

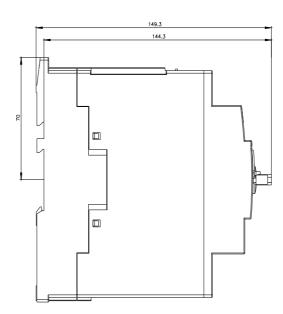
Characteristic: Tripping characteristics, I2t, Let-through current

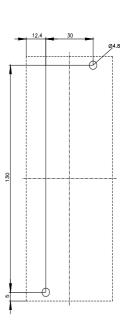
https://support.industry.siemens.com/cs/ww/en/ps/3RV2032-4XA10/char

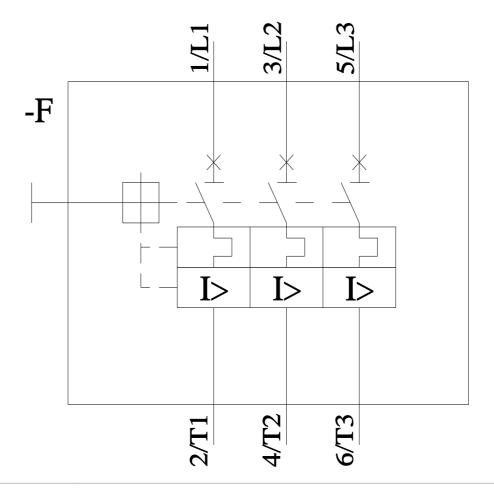
Further characteristics (e.g. electrical endurance, switching frequency)

http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RV2032-4XA10&objecttype=14&gridview=view1









last modified: 5/16/2025 🖸