SIEMENS

Data sheet 3RV2431-4EA10



circuit breaker size S2 for transformer protection A-release 22...32 A short-circuit release 656 A screw terminal standard switching capacity

product designation	SIRIUS
product designation	Circuit breaker
design of the product	For transformer 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 	18 W
 at AC in hot operating state per pole 	6 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 	50 000
of auxiliary contacts typical	50 000
electrical endurance (operating cycles) typical	50 000
reference code according to IEC 81346-2	Q
Substance Prohibitance (Date)	10/15/2014
Ambient conditions	
installation altitude at height above sea level maximum	2 000 m
ambient temperature	
during operation	-20 +60 °C
	-20 +60 °C -50 +80 °C
during operation	
during operationduring storage	-50 +80 °C
during operationduring storageduring transport	-50 +80 °C -50 +80 °C
 during operation during storage during transport relative humidity during operation 	-50 +80 °C -50 +80 °C
during operation during storage during transport relative humidity during operation Main circuit	-50 +80 °C -50 +80 °C 10 95 %
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-	-50 +80 °C -50 +80 °C 10 95 %
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	-50 +80 °C -50 +80 °C 10 95 %
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	-50 +80 °C -50 +80 °C 10 95 %
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	-50 +80 °C -50 +80 °C 10 95 % 3 22 32 A
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	-50 +80 °C -50 +80 °C 10 95 % 3 22 32 A 20 690 V 690 V
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	-50 +80 °C -50 +80 °C 10 95 % 3 22 32 A 20 690 V 690 V
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	-50 +80 °C -50 +80 °C 10 95 % 3 22 32 A 20 690 V 690 V 690 V 50 60 Hz
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 operational current rated value	-50 +80 °C -50 +80 °C 10 95 % 3 22 32 A 20 690 V 690 V 690 V 50 60 Hz

operating power	
• at AC-3	
— at 230 V rated value	7.5 kW
— at 400 V rated value	15 kW
— at 500 V rated value	18.5 kW
— at 690 V rated value	30 kW
• at AC-3e	
— at 230 V rated value	7.5 kW
— at 400 V rated value	15 kW
— at 500 V rated value	18.5 kW
— at 690 V rated value	30 kW
operating frequency	
• at AC-3 maximum	15 1/h
at AC-3e maximum	15 1/h
Auxiliary circuit	
number of NC contacts for auxiliary contacts	0
number of NO 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
maximum short-circuit current breaking capacity (Icu)	400.14
• at AC at 240 V rated value	100 kA
at AC at 400 V rated value	65 kA
at AC at 500 V rated value	10 kA
• at AC at 690 V rated value	4 kA
operating short-circuit current breaking capacity (Ics) at AC	100 kA
 at 240 V rated value at 400 V rated value 	30 kA
at 500 V rated value at 500 V rated value	5 kA
at 690 V rated value at 690 V rated value	2 kA
response value current of instantaneous short-circuit trip unit	656 A
UL/CSA ratings	33371
full-load current (FLA) for 3-phase AC motor	
• at 480 V rated value	32 A
at 600 V rated value	32 A
yielded mechanical performance [hp]	
for single-phase AC motor	
— at 110/120 V rated value	3 hp
— at 230 V rated value	5 hp
• for 3-phase AC motor	
at 200/208 V rated value	10 hp
— at 220/230 V rated value	10 hp
— at 460/480 V rated value	25 hp
— at 575/600 V rated value	30 hp
Short-circuit protection	
product function short circuit protection	Yes
design of the short-circuit trip	magnetic
Installation/ mounting/ dimensions	
mounting position	any
fastening method	screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715
height	140 mm
width	55 mm
depth	149 mm
required spacing	
with side-by-side mounting at the side	0 mm
• for grounded parts at 400 V	F0
downwards	50 mm

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 design of screwdriver shaft size of the screwdriver tip design of the thread of the connection screw • for main contacts Safety related data B10 value • with high demand rate according to SN 31920 5 000	
- downwards - upwards - at the side • for grounded parts at 500 V - downwards - upwards - at the side • for live parts at 500 V - downwards - upwards - at the side • for live parts at 500 V - downwards - upwards - at the side • for grounded parts at 690 V - downwards - upwards - at the side • for grounded parts at 690 V - downwards - upwards - backwards - at the side - forwards - of live parts at 690 V - downwards - of live parts at 690 V - downwards - upwards - backwards - at the side - forwards - upwards - of live parts at 690 V - downwards - backwards - at the side - for live parts at 690 V - downwards - backwards - of live parts at 690 V - downwards - backwards - at the side - forwards - backwards - at the side - forwards - at the side - forwards - wormal to make the side - forwards - at the side - for main contacts - for main contacts - solid or stranded - finely stranded with core end processing - for AWG cables for main contacts - solid or stranded - finely stranded with core end processing - for main contacts - for main contacts with screw-type terminals - design of screwdriver shaft - size of the screwdriver sh	type terminals and bottom
- upwards - at the side • for grounded parts at 500 V - downwards - upwards - 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 690 V - downwards - upwards - upwards - upwards - backwards - at the side - for grounded parts at 690 V - downwards - backwards - at the side - forwards • for live parts at 690 V - downwards - at the side - forwards - at the side - forwards - upwards - backwards - upwards - backwards - at the side - 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 - solid or stranded - finely stranded with core end processing - for AWG cables for main contacts - solid or stranded - finely stranded with core end processing - for AWG cables 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 - with high demand rate according to SN 31920 - 5 000	type terminals and bottom
- at the side • for grounded parts at 500 V - downwards - upwards - at the side • for live parts at 500 V - downwards - at the side • for live parts at 500 V - downwards - upwards - upwards - at the side • for grounded parts at 690 V - downwards - upwards - backwards - at the side - forwards • for live parts at 690 V - downwards - backwards - at the side - forwards • for live parts at 690 V - downwards • for live parts at 690 V - downwards - at the side - forwards • for live parts at 690 V - downwards - backwards - upwards - backwards - upwards - backwards - on mo - for live parts at 690 V - downwards - backwards - on mo - for live parts at 690 V - downwards - backwards - upwards - backwards - upwards - backwards - on mo - for live parts at 690 V - downwards - backwards - upwards - backwards - backwards - at the side - forwards - backwards - at the side - forwards - at the side - forwards - at the side - for main contacts - at the side - for main contacts - solid or stranded - finely stranded with core end processing • for AWG cables for main contacts - solid or stranded - finely stranded with core end processing • for AWG cables for main contacts - solid or stranded - finely stranded with core end processing • for main contacts with screw-type terminals design of screwdriver shaft size of the screwdriver shaft size of the screwdriver tip design of the thread of the connection screw • for main contacts • for main contacts - for main contacts - for main contacts - forwards - forwar	type terminals and bottom
- at the side • for grounded parts at 500 V - downwards - upwards - 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 690 V - downwards - upwards - backwards - upwards - at the side - forwards • for live parts at 690 V - downwards - backwards - at the side - forwards • for live parts at 690 V - downwards - at the side - forwards • for live parts at 690 V - downwards - backwards - upwards - backwards - upwards - backwards - upwards - for live parts at 690 V - downwards - backwards - upwards - backwards - upwards - backwards - backwards - in omn - backwards - backwards - backwards - 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 design of screwdriver shaft size of the screwdriver tip design of strewdriver shaft size of the screwdriver tip design of the thread of the connection screw • for main contacts • for main contacts • for main contacts • for main contacts - Safety related data B10 value • with high demand rate according to SN 31920 5 000	type terminals
for grounded parts at 500 V — downwards — upwards — at the side • for live parts at 500 V — downwards — upwards — upwards — upwards — upwards — upwards — at the side • for grounded parts at 690 V — downwards — upwards — upwards — upwards — upwards — backwards — at the side — forwards — at the side — for live parts at 690 V — downwards — of live parts at 690 V — downwards — upwards — of rive parts at 690 V — downwards — upwards — backwards — upwards — backwards — upwards — backwards — at the side — forwards — ornards — ornards — ornards — ornards — ornards 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 design of screwdriver shaft size of the screwdriver tip design of the thread of the connection screw • for main contacts • for main contacts B10 value • with high demand rate according to SN 31920 5 000	type terminals
— downwards 50 m — upwards 50 m — at the side 10 m — for live parts at 500 V — downwards 50 m — at the side 10 m — at the side 50 m — at the side 10 m — downwards 50 m — downwards 50 m — backwards 0 mn — at the side 10 m — for wards 50 m — at the side 10 m — forwards 0 mn — at the side 10 m — for live parts at 690 V — downwards 50 m — backwards 0 mn — backwards 0 mn — the side 10 m — forwards 50 m — backwards 0 mn — backwards 0 mn — backwards 0 mn — the side 10 m — for main current circuit arrangement of electrical connectors for main current circuit type of connectable conductor cross-sections — for main contacts — solid or stranded 2x (1 minute of the screwdriver shaft or main contacts 2x (1 minute of the screwdriver shaft 50 m design of screwdriver shaft 50 m size of the screwdriver tip 7 pozic design of the thread of the connection screw — for main contacts M6 Safety related data B10 value — with high demand rate according to SN 31920 5 000	type terminals
— upwards — at the side • for live parts at 500 V — downwards — upwards — at the side • for grounded parts at 690 V — downwards — upwards — upwards — upwards — upwards — upwards — backwards — at the side — forwards — of for live parts at 690 V — downwards — at the side — forwards • for live parts at 690 V — downwards — backwards — upwards — upwards — backwards — upwards — backwards — at the side — forwards — of 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 size of the screwdriver tip design of the thread of the connection screw • for main contacts Safety rolated data B10 value • with high demand rate according to SN 31920 5 000	type terminals
- at the side • for live parts at 500 V - downwards - upwards - at the side • for grounded parts at 690 V - downwards - upwards - upwards - upwards - upwards - backwards - at the side - forwards • for live parts at 690 V - downwards • for live parts at 690 V - downwards • for live parts at 690 V - downwards - upwards - backwards - upwards - backwards - upwards - backwards - at the side - forwards 0 mn Connections/ Terminals 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 tightening torque • 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 B10 value • with high demand rate according to SN 31920 5 000	type terminals
• for live parts at 500 V — downwards — upwards — at the side • for grounded parts at 690 V — downwards — upwards — upwards — upwards — upwards — upwards — backwards — at the side — forwards — for live parts at 690 V — downwards — upwards — of for live parts at 690 V — downwards — upwards — upwards — backwards — upwards — backwards — at the side — forwards — at the side — forwards — at the side — for main current — at the side — forwards — so on main current — at the side — forwards — 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 with screw-type terminals design of screwdriver shaft size of the screwdriver tip design of the thread of the connection screw • for main contacts B10 value • with high demand rate according to SN 31920 5 000	type terminals
- downwards - upwards - at the side • for grounded parts at 690 V - downwards - upwards - backwards - at the side • for live parts at 690 V - downwards - for live parts at 690 V - downwards - the side - forwards • for live parts at 690 V - downwards - backwards - upwards - backwards - upwards - backwards - at the side - forwards - the side - forwards - the side - forwards - the side - for main current circuit connections/ Terminals 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 tightening torque • 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 B10 value • with high demand rate according to SN 31920 5 000	type terminals
— upwards — at the side • for grounded parts at 690 V — downwards — upwards — backwards — at the side — forwards — of for live parts at 690 V — downwards — of for live parts at 690 V — downwards — upwards — backwards — upwards — backwards — upwards — backwards — of for main current — forwards — of 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 design of screwdriver shaft size of the screwdriver tip design of the thread of the connection screw • for main contacts M6 Safety related data B10 value • with high demand rate according to SN 31920 5 000	type terminals
- at the side • for grounded parts at 690 V - downwards - upwards - backwards - at the side - forwards • for live parts at 690 V - downwards - upwards • for live parts at 690 V - downwards - upwards - backwards - upwards - backwards - backwards - at the side - forwards 0 mn - at the side - 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 tightening torque • 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 B10 value • with high demand rate according to SN 31920 5 000	type terminals
for grounded parts at 690 V — downwards — upwards — backwards — at the side — forwards • for live parts at 690 V — downwards — upwards • for live parts at 690 V — downwards — upwards — upwards — backwards — backwards — at the side — forwards — at the side — forwards — at the side — for main current — at the side — for main current circuit	etype terminals
— downwards — upwards — backwards — at the side — forwards • for live parts at 690 V — downwards — upwards — upwards — backwards — backwards — backwards — at the side — forwards 0 mn 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 2x (1 tightening torque • for main contacts with screw-type terminals design of screwdriver shaft size of the screwdriver shaft size of the screwdriver tip design of the thread of the connection screw • for main contacts M6 Safety related data B10 value • with high demand rate according to SN 31920 5 000	type terminals
— upwards — backwards — at the side — forwards • for live parts at 690 V — downwards — upwards — backwards — backwards — at the side — forwards 50 m • backwards — the side — forwards 0 mn 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 2x (1 • for AWG cables for main contacts tightening torque • 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 B10 value • with high demand rate according to SN 31920 5 000	type terminals
backwards	type terminals
- at the side - forwards • for live parts at 690 V - downwards - upwards - backwards - at the side - forwards 0 mm - at the side - forwards 0 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 tightening torque • 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 Safety related data B10 value • with high demand rate according to SN 31920 5 000	etype terminals
— forwards	etype terminals
for live parts at 690 V — downwards — upwards — backwards — at the side — forwards — forwards O mn 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 design of screwdriver shaft size of the screwdriver tip design of the thread of the connection screw • for main contacts Safety related data B10 value • with high demand rate according to SN 31920 5 000	etype terminals
- downwards 50 m - upwards 0 mm - backwards 0 mm - at the side 10 mm - forwards 0 mm Connections/ Terminals type of electrical connection • for main current circuit screw arrangement of electrical connectors for main current circuit type of connectable conductor cross-sections • for main contacts - solid or stranded 2x (1 - finely stranded with core end processing 2x (1 - finely stranded with core end processing 2x (1 tightening torque • for main contacts with screw-type terminals 34 design of screwdriver shaft Diam size of the screwdriver tip Pozic design of the thread of the connection screw • for main contacts Safety related data B10 value • with high demand rate according to SN 31920 5 000	etype terminals
- upwards - backwards 0 mm - at the side - forwards 0 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 design of screwdriver shaft size of the screwdriver tip design of the thread of the connection screw • for main contacts Safety related data B10 value • with high demand rate according to SN 31920 5 000	etype terminals
— backwards — at the side — forwards 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 2x (1 tightening torque • 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 Safety related data B10 value • with high demand rate according to SN 31920 5 000	rtype terminals
— at the side — forwards Connections/ Terminals type of electrical connection	type terminals nd bottom
— forwards 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 design of screwdriver shaft size of the screwdriver tip design of the thread of the connection screw • for main contacts Safety related data B10 value • with high demand rate according to SN 31920 5 000	type terminals nd bottom
type of electrical connection	nd bottom
type of electrical connection	nd bottom
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 • 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 Safety related data B10 value • with high demand rate according to SN 31920 5 000	nd bottom
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 design of screwdriver shaft size of the screwdriver tip design of the thread of the connection screw • for main contacts Safety related data B10 value • with high demand rate according to SN 31920 5 000	nd bottom
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 size of the screwdriver tip design of the thread of the connection screw • for main contacts Safety related data B10 value • with high demand rate according to SN 31920 5 000	
for main contacts — solid or stranded — finely stranded with core end processing • for AWG cables for main contacts 2x (1 • for AWG cables for main contacts 2x (1 tightening torque • for main contacts with screw-type terminals 3 4 design of screwdriver shaft biam size of the screwdriver tip design of the thread of the connection screw • for main contacts	25 mm²), 1x (1 35 mm²)
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 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 B10 value with high demand rate according to SN 31920 5 000	25 mm²), 1x (1 35 mm²)
- finely stranded with core end processing • for AWG cables for main contacts 2x (1 tightening torque • for main contacts with screw-type terminals design of screwdriver shaft Diam size of the screwdriver tip design of the thread of the connection screw • for main contacts M6 Safety related data B10 value • with high demand rate according to SN 31920 5 000	25 mm²), 1x (1 35 mm²)
for AWG cables for main contacts tightening torque for main contacts with screw-type terminals design of screwdriver shaft biam size of the screwdriver tip design of the thread of the connection screw for main contacts M6 Safety related data B10 value with high demand rate according to SN 31920 5 000	
tightening torque • 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 B10 value • with high demand rate according to SN 31920 5 000	16 mm²), 1x (1 25 mm²)
• 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 B10 value • with high demand rate according to SN 31920 5 000	3), 1x (18 2)
design of screwdriver shaft size of the screwdriver tip design of the thread of the connection screw • for main contacts M6 Safety related data B10 value • with high demand rate according to SN 31920 5 000	
size of the screwdriver tip design of the thread of the connection screw of or main contacts M6 Safety related data B10 value with high demand rate according to SN 31920 5 000	5 N·m
design of the thread of the connection screw • for main contacts Safety related data B10 value • with high demand rate according to SN 31920 5 000	ter 5 to 6 mm
for main contacts M6 Safety related data B10 value with high demand rate according to SN 31920 5 000	iv size 2
Safety related data B10 value • with high demand rate according to SN 31920 5 000	
Safety related data B10 value • with high demand rate according to SN 31920 5 000	
■ with high demand rate according to SN 31920 5 000	
• with high demand rate according to SN 31920 5 000	
5	
proportion of dangerous failures	
• with low demand rate according to SN 31920 50 %	
 with high demand rate according to SN 31920 50 % 	
failure rate [FIT]	
with low demand rate according to SN 31920 50 FI	
T1 value for proof test interval or service life according to IEC 61508 10 a	
protection class IP on the front according to IEC 60529 IP20	
	safe, for vertical contact from the front
display version for switching status Hand	
Certificates/ approvals	
General Product Approval	









Declaration of Conformity

Test Certificates

Marine / Shipping

<u>KC</u>



Type Test Certificates/Test Report

Special Test Certificate







Marine / Shipping

other

Railway







Confirmation



Confirmation

Railway

Vibration and Shock

Further information

Siemens has decided to exit the Russian market (see here).

https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business

Siemens is working on the renewal of the current EAC certificates.

Please contact your local Siemens office on the status of validity of the EAC certification if you intend to import or offer to supply these products to an EAC relevant market (other than the sanctioned EAEU member states Russia or Belarus).

Information on the packaging

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

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=3RV2431-4EA10

Cax online generator

 $\underline{\text{http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en\&mlfb=3RV2431-4EA10}$

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

https://support.industry.siemens.com/cs/ww/en/ps/3RV2431-4EA10

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

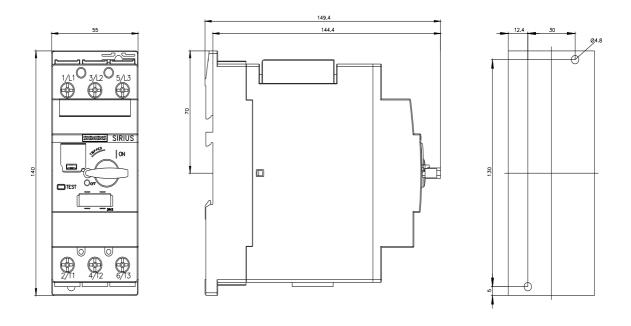
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RV2431-4EA10&lang=en

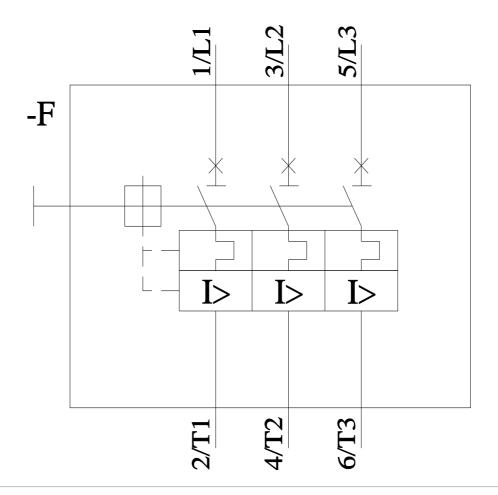
Characteristic: Tripping characteristics, I2t, Let-through current

https://support.industry.siemens.com/cs/ww/en/ps/3RV2431-4EA10/char

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

http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RV2431-4EA10&objecttype=14&gridview=view1





last modified: 11/21/2022 🖸

