SIEMENS

Data sheet 3RA6250-2EB33



SIRIUS Compact load feeder Reversing starter 400 V 24 V AC/DC 50...60 Hz 8...32 A IP20 Connection main circuit: plug-in, without terminals Connection control circuit: Spring-type terminal

design of the product reversing starter reversing starter product type designation 3RA62	product brand name	SIRIUS
Product type designation SRA62	product designation	compact starter
Product function control circuit interface to parallel wiring	design of the product	reversing starter
product function control circuit interface to parallel wiring product extension auxiliary switch power loss [W] for rated value of the current • at AC in hot operating state per pole • without load current share typical • without load current share typical insulation voltage rated value 690 V degree of pollution 3 surge voltage resistance rated value • between anian and auxiliary circuit • between auxiliary and auxiliary circuit • between auxiliary and auxiliary circuit • between control and counting of the control of the signaliang contacts typical • of the main contacts typical • of auxiliary contacts typical • of the signaling contacts ty	product type designation	3RA62
product extension auxiliary switch power loss [W] for rated value of the current at AC in hot operating state 5.4 W without load current share typical 3.5 W insulation voltage rated value 690 V degree of pollution 3 surge voltage resistance rated value 6000 V maximum permissible voltage for protective separation between main and auxiliary circuit 400 V between auxiliary and auxiliary circuit 250 V between control and auxiliary circuit 300 V degree of protection NEMA rating 500 V shock resistance a=60 m/s2 (6g) with 10 ms per 3 shocks in all axes vibration resistance f= 4 5.8 Hz, d= 15 mm; f= 5.8 500 Hz, a= 20 m/s²; 10 cycles mechanical service life (operating cycles) of the main contacts typical 10 000 000 of the signaling contacts typical 10 000 000 electrical endurance (operating cycles) of auxiliary contacts at DC-13 at 6 At 24 V typical 200 000 electrical endurance (operating cycles) of auxiliary contacts at AC-13 at 6 At 24 V typical 200 000 Sybe of assignment continuous operation according to IEC 60947-6-2 Terference code according to IEC 81346-2 Q Substance Prohibitance (Dato) 05/01/2012 SVHC substance name Biei-7439-92-1 Bieimonoxid (Bleioxid) - 1317-36-8 Bieitilanzirkonoxid - 12626-81-2 2,2 (3,6"-Tetrabrom-4,4"-isopropylidendi - 79-94-7 Anbient conditions installation altitude at height above sea level maximum 2000 m ambient temperature oduring operation -20 +60 °C -55 +80 °C	General technical data	
power loss [W] for rated value of the current • at AC in hot operating state • at AC in hot operating state per pole • without load current share typical • osurge voltage resistance rated value • 6000 V maximum permissible voltage for protective separation • between main and auxiliary circuit • between maxiliary and auxiliary circuit • between auxiliary and auxiliary circuit • between control and surviving office the short of the strate of the	product function control circuit interface to parallel wiring	Yes
at AC in hot operating state per pole at AC in hot operating state per pole without load current share typical insulation voltage rated value degree of pollution 3 surge voltage resistance rated value maximum permissible voltage for protective separation between main and auxiliary circuit between auxiliary and auxiliary circuit between control and auxiliary circuit between control and auxiliary circuit between control and auxiliary circuit cheeper of protection NEMA rating shock resistance fe 4 5.8 Hz, d= 15 mm; f= 5.8 500 Hz, a= 20 m/s²; 10 cycles mechanical service life (operating cycles) of the main contacts typical of the signaling contacts typical of the signaling contacts typical of the signaling contacts typical at DC-13 at 6 A at 24 V typical at DC-13 at 6 A at 24 V typical at DC-15 at 6 A at 230 V typical betach code according to IEC 81346-2 Substance Prohibitance (Date) SYHC substance name Bielinoxold (Bleicxid) - 1317-36-8 Bielittanzirkonoxid - 12626-81-2 2,2°,6,6-Tetrabrom-4,4-I-sopropylidendi - 79-94-7 Ambient conditions installation altitude at height above sea level maximum ambient temperature of during operation of uning storage 5.4 W 1.8 W 1.8 W 3.5 W 6.000 V 4000 V 400 V	product extension auxiliary switch	Yes
at AC in hot operating state per pole without load current share typical insulation voltage rated value degree of pollution surge voltage resistance rated value between auxiliary circuit between main and auxiliary circuit between control and auxiliary circui	power loss [W] for rated value of the current	
• without load current share typical insulation voltage rated value degree of pollution surge voltage resistance rated value • between main and auxiliary circuit • between auxiliary and auxiliary circuit • between control and auxiliary circuit • and on which is a survive is a surv	 at AC in hot operating state 	5.4 W
insulation voltage rated value degree of pollution surge voltage resistance rated value maximum permissible voltage for protective separation • between main and auxiliary circuit • between auxiliary and auxiliary circuit • between control and auxiliary circuit • between control and auxiliary circuit shock resistance degree of protection NEMA rating shock resistance = a=60 m/s2 (6g) with 10 ms per 3 shocks in all axes vibration resistance = a=60 m/s2 (6g) with 10 ms per 3 shocks in all axes vibration resistance = a=60 m/s2 (6g) with 10 ms per 3 shocks in all axes vibration resistance = a=60 m/s2 (6g) with 10 ms per 3 shocks in all axes vibration resistance = a=60 m/s2 (6g) with 10 ms per 3 shocks in all axes vibration resistance = a=60 m/s2 (6g) with 10 ms per 3 shocks in all axes vibration resistance = a=60 m/s2 (6g) with 10 ms per 3 shocks in all axes = a=00 m/s2 (6g) with 10 ms per 3 shocks in all axes vibration resistance = a=60 m/s2 (6g) with 10 ms per 3 shocks in all axes = a=60 m/s2 (6g) with 10 ms per 3 shocks in all axes = a=00 m/s2 (6g) with 10 ms per 3 shocks in all axes = a=00 m/s2 (6g) with 10 ms per 3 shocks in all axes = a=00 m/s2 (6g) with 10 ms per 3 shocks in all axes = a=00 m/s2 (6g) with 10 ms per 3 shocks in all axes = a=00 m/s2 (6g) with 10 ms per 3 shocks in all axes = a=00 m/s2 (6g) with 10 ms per 3 shocks in all axes = a=00 m/s2 (6g) with 10 ms per 3 shocks in all axes = a=00 m/s2 (6g) with 10 ms per 3 shocks in all axes = a=00 m/s2 (6g) with 10 ms per 3 shocks in all axes = a=00 m/s2 (6g) with 10 ms per 3 shocks in all axes = a=00 m/s2 (6g) with 10 ms per 3 shocks in all axes = a=00 m/s2 (6g) with 10 ms per 3 shocks in all axes = a=00 m/s2 (6g) with 10 ms per 3 shocks in all axes = a=00 m/s2 (6g) with 10 ms per 3 shocks in all axes = a=00 m/s2 (6g) with 10 ms per 3 shocks in all axes = a=00 m/s2 (6g) with 10 ms per 3 shocks in all axes = a=00 m/s2 (6g) with 10 ms per 3 shocks in all axes = a=00 m/s2 (6g) with 10 ms per 3 shocks in all axes =	 at AC in hot operating state per pole 	1.8 W
degree of pollution surge voltage resistance rated value maximum permissible voltage for protective separation • between main and auxiliary circuit • between auxiliary and auxiliary circuit • between control and auxiliary circuit degree of protection NEMA rating shock resistance • a=60 m/s2 (6g) with 10 ms per 3 shocks in all axes vibration resistance mechanical service life (operating cycles) • of the main contacts typical • of auxiliary contacts typical • of auxiliary contacts typical • of the signaling contacts typical • of the signaling contacts typical • of the signaling contacts typical • at DC-13 at 6 A at 24 V typical • at DC-13 at 6 A at 230 V typical • at AC-15 at 6 A at 230 V typical • at AC-15 at 6 A at 230 V typical • oon tinous operation according to IEC 81346-2 Quantification and the signal standard of the signal sta	without load current share typical	3.5 W
surge voltage resistance rated value maximum permissible voltage for protective separation • between amin and auxiliary circuit • between auxiliary and auxiliary circuit • between control and auxiliary circuit • a=60 m/s2 (6g) with 10 ms per 3 shocks in all axes • vibration resistance • f= 4 5.8 Hz, d= 15 mm; f= 5.8 500 Hz, a= 20 m/s²; 10 cycles mechanical service life (operating cycles) • of the main contacts typical • of auxiliary contacts typical • of the signaling conta	insulation voltage rated value	690 V
maximum permissible voltage for protective separation • between main and auxiliary circuit • between auxiliary and auxiliary circuit • between control and auxiliary circuit 300 V degree of protection NEMA rating other shock resistance a=60 m/s2 (6g) with 10 ms per 3 shocks in all axes vibration resistance f= 4 5.8 Hz, d= 15 mm; f= 5.8 500 Hz, a= 20 m/s²; 10 cycles mechanical service life (operating cycles) • of the main contacts typical • of the signaling contacts typical • at DC-13 at 6 A at 24 V typical • at AC-15 at 6 A at 230 V typical • at AC-15 at 6 A at 230 V typical • at AC-15 at 6 A at 230 V typical • at AC-15 at 6 A at 230 V typical • at AC-15 at 6 A at 230 V typical • at AC-15 at 6 A at 240 V typical • at AC-15 at 6 A at 250 V typical • at AC-15 a	degree of pollution	3
between main and auxiliary circuit between auxiliary and auxiliary circuit between control and auxiliary circuit shock resistance protection NEMA rating shock resistance pribration resistance p	surge voltage resistance rated value	6 000 V
between auxiliary and auxiliary circuit between control and auxiliary circuit degree of protection NEMA rating shock resistance description resistance descrip	maximum permissible voltage for protective separation	
between control and auxiliary circuit degree of protection NEMA rating shock resistance vibration resistance (= 4 5.8 Hz, d= 15 mm; f= 5.8 500 Hz, a= 20 m/s²; 10 cycles mechanical service life (operating cycles) of the main contacts typical of auxiliary contacts typical of the signaling contacts typical of the signaling contacts typical electrical endurance (operating cycles) of auxiliary contacts at DC-13 at 6 A at 24 V typical ot AC-15 at 6 A at 230 V typical ot at AC-15 at 6 A at 230 V typical type of assignment reference code according to IEC 81346-2 Substance Prohibitance (Date) SVHC substance name Blei-7439-92-1 Bleimonoxid (Bleioxid) - 1317-36-8 Bleititanzirkonoxid - 12626-81-2 2.2°,6,6'-Tetrabrom-4,4'-isopropylidendi - 79-94-7 Ambient conditions installation altitude at height above sea level maximum ambient temperature other in the service in the conditions other other in 10 ms per 3 shocks in all axes a=60 m/s2 (6g) with 10 ms per 3 shocks in all axes a=60 m/s2 (6g) with 10 ms per 3 shocks in all axes ble in 5.8 500 Hz, a= 20 m/s²; 10 cycles other in 5.8 5	 between main and auxiliary circuit 	400 V
degree of protection NEMA rating shock resistance a=60 m/s2 (6g) with 10 ms per 3 shocks in all axes vibration resistance f= 4 5.8 Hz, d= 15 mm; f= 5.8 500 Hz, a= 20 m/s²; 10 cycles mechanical service life (operating cycles) of the main contacts typical of auxiliary contacts of at DC-13 at 6 A at 24 V typical of at AC-15 at 6 A at 230 V typical of assignment continous operation according to IEC 60947-6-2 reference code according to IEC 81346-2 Q Substance Prohibitance (Date) SVHC substance name Bleit-7439-92-1 Bleimonoxid (Bleioxid) - 1317-36-8 Bleititanzirkonoxid - 12626-81-2 2,2°,6,6'-Tetrabrom-4,4'-isopropylidendi - 79-94-7 Ambient conditions installation altitude at height above sea level maximum ambient temperature of during operation -20 +60 °C -55 +80 °C	 between auxiliary and auxiliary circuit 	250 V
shock resistance vibration resistance f = 4 5.8 Hz, d = 15 mm; f = 5.8 500 Hz, a = 20 m/s²; 10 cycles mechanical service life (operating cycles) of the main contacts typical of the signaling contact	between control and auxiliary circuit	300 V
vibration resistance	degree of protection NEMA rating	other
mechanical service life (operating cycles) of the main contacts typical of auxiliary contacts typical of the signaling contacts of	shock resistance	a=60 m/s2 (6g) with 10 ms per 3 shocks in all axes
of the main contacts typical of auxiliary contacts typical of the signaling contacts typical old 000 000 electrical endurance (operating cycles) of auxiliary contacts out DC-13 at 6 A at 24 V typical out AC-15 at 6 A at 230 V typical out AC-15 at 6 A at 230 V typical out at AC-15 at 6 A at 230 V typical continous operation according to IEC 60947-6-2 reference code according to IEC 81346-2 Q Substance Prohibitance (Date) SVHC substance name Blei - 7439-92-1 Bleimonoxid (Bleioxid) - 1317-36-8 Bleittranizirkonoxid - 12626-81-2 2,2',6,6'-Tetrabrom-4,4'-isopropylidendi - 79-94-7 Ambient conditions installation altitude at height above sea level maximum 2 000 m ambient temperature of during operation of the signalization and the signalizati	vibration resistance	f= 4 5.8 Hz, d= 15 mm; f= 5.8 500 Hz, a= 20 m/s²; 10 cycles
of auxiliary contacts typical of the signaling contacts typical of the signaling contacts typical electrical endurance (operating cycles) of auxiliary contacts of at DC-13 at 6 A at 24 V typical of at AC-15 at 6 A at 230 V typical of at AC-15 at 6 A at 230 V typical type of assignment continous operation according to IEC 60947-6-2 gubstance Prohibitance (Date) SVHC substance name Blei - 7439-92-1 Bleimonoxid (Bleioxid) - 1317-36-8 Bleititanzirkonoxid - 12626-81-2 2,2,6,6'-Tetrabrom-4,4'-isopropylidendi - 79-94-7 Ambient conditions installation altitude at height above sea level maximum ambient temperature of during operation of during storage 10 000 000 200 0	mechanical service life (operating cycles)	
of the signaling contacts typical electrical endurance (operating cycles) of auxiliary contacts • at DC-13 at 6 A at 24 V typical • at AC-15 at 6 A at 230 V typical • at AC-15 at 6 A at 230 V typical • continous operation according to IEC 60947-6-2 • greene code according to IEC 81346-2 • Substance Prohibitance (Date) SVHC substance name Blei - 7439-92-1 Bleimonoxid (Bleioxid) - 1317-36-8 Bleititanzirkonoxid - 12626-81-2 2,2',6,6'-Tetrabrom-4,4'-isopropylidendi - 79-94-7 Ambient conditions installation altitude at height above sea level maximum ambient temperature • during operation -20 +60 °C • during storage -55 +80 °C	 of the main contacts typical 	10 000 000
electrical endurance (operating cycles) of auxiliary contacts • at DC-13 at 6 A at 24 V typical • at AC-15 at 6 A at 230 V typical type of assignment continous operation according to IEC 60947-6-2 reference code according to IEC 81346-2 Q Substance Prohibitance (Date) SVHC substance name Blei - 7439-92-1 Bleimonoxid (Bleioxid) - 1317-36-8 Bleiittanzirkonoxid - 12626-81-2 2,2',6,6'-Tetrabrom-4,4'-isopropylidendi - 79-94-7 Ambient conditions installation altitude at height above sea level maximum ambient temperature • during operation -20 +60 °C • during storage -55 +80 °C	 of auxiliary contacts typical 	10 000 000
 at DC-13 at 6 A at 24 V typical at AC-15 at 6 A at 230 V typical 200 000 type of assignment continous operation according to IEC 60947-6-2 reference code according to IEC 81346-2 Q Substance Prohibitance (Date) SVHC substance name Blei - 7439-92-1 Bleimonoxid (Bleioxid) - 1317-36-8 Bleititanzirkonoxid - 12626-81-2 2,2',6,6'-Tetrabrom-4,4'-isopropylidendi - 79-94-7 Ambient conditions installation altitude at height above sea level maximum ambient temperature during operation during storage -20 +60 °C during storage 	of the signaling contacts typical	10 000 000
 at AC-15 at 6 A at 230 V typical type of assignment continous operation according to IEC 60947-6-2 reference code according to IEC 81346-2 Q Substance Prohibitance (Date) SVHC substance name Blei - 7439-92-1 Bleimonoxid (Bleioxid) - 1317-36-8 Bleititanzirkonoxid - 12626-81-2 2,2',6,6'-Tetrabrom-4,4'-isopropylidendi - 79-94-7 Ambient conditions installation altitude at height above sea level maximum ambient temperature during operation -20 +60 °C during storage -55 +80 °C 	electrical endurance (operating cycles) of auxiliary contacts	
reference code according to IEC 81346-2 Q Substance Prohibitance (Date) SVHC substance name Blei - 7439-92-1 Bleimonoxid (Bleioxid) - 1317-36-8 Bleititanzirkonoxid - 12626-81-2 2,2',6,6'-Tetrabrom-4,4'-isopropylidendi - 79-94-7 Ambient conditions installation altitude at height above sea level maximum ambient temperature o during operation -20 +60 °C o during storage continous operation according to IEC 60947-6-2 Q 2 2 C D SVHC substance name Blei - 7439-92-1 Bleimonoxid (Bleioxid) - 1317-36-8 Bleititanzirkonoxid - 12626-81-2 2,2',6,6'-Tetrabrom-4,4'-isopropylidendi - 79-94-7	at DC-13 at 6 A at 24 V typical	30 000
reference code according to IEC 81346-2 Substance Prohibitance (Date) SVHC substance name Blei - 7439-92-1 Bleimonoxid (Bleioxid) - 1317-36-8 Bleititanzirkonoxid - 12626-81-2 2,2',6,6'-Tetrabrom-4,4'-isopropylidendi - 79-94-7 Ambient conditions installation altitude at height above sea level maximum ambient temperature • during operation -20 +60 °C • during storage Q 05/01/2012	at AC-15 at 6 A at 230 V typical	200 000
Substance Prohibitance (Date) SVHC substance name Blei - 7439-92-1 Bleimonoxid (Bleioxid) - 1317-36-8 Bleititanzirkonoxid - 12626-81-2 2,2',6,6'-Tetrabrom-4,4'-isopropylidendi - 79-94-7 Ambient conditions installation altitude at height above sea level maximum ambient temperature • during operation • during storage 05/01/2012 Blei - 7439-92-1 Bleimonoxid (Bleioxid) - 1317-36-8 Bleititanzirkonoxid - 12626-81-2 2,2',6,6'-Tetrabrom-4,4'-isopropylidendi - 79-94-7 - 20 om	type of assignment	continous operation according to IEC 60947-6-2
SVHC substance name Blei - 7439-92-1 Bleimonoxid (Bleioxid) - 1317-36-8 Bleititanzirkonoxid - 12626-81-2 2,2',6,6'-Tetrabrom-4,4'-isopropylidendi - 79-94-7 Ambient conditions installation altitude at height above sea level maximum ambient temperature • during operation • during storage Blei - 7439-92-1 Bleimonoxid (Bleioxid) - 1317-36-8 Bleititanzirkonoxid - 12626-81-2 2,2',6,6'-Tetrabrom-4,4'-isopropylidendi - 79-94-7 2 000 m -20 +60 °C -55 +80 °C	reference code according to IEC 81346-2	Q
Bleimonoxid (Bleioxid) - 1317-36-8 Bleititanzirkonoxid - 12626-81-2 2,2',6,6'-Tetrabrom-4,4'-isopropylidendi - 79-94-7 Ambient conditions installation altitude at height above sea level maximum ambient temperature • during operation -20 +60 °C • during storage Bleimonoxid (Bleioxid) - 1317-36-8 Bleititanzirkonoxid - 12626-81-2 2,2',6,6'-Tetrabrom-4,4'-isopropylidendi - 79-94-7 2 000 m -20 +60 °C -55 +80 °C	Substance Prohibitance (Date)	05/01/2012
installation altitude at height above sea level maximum ambient temperature • during operation • during storage 2 000 m -20 +60 °C -55 +80 °C	SVHC substance name	Bleimonoxid (Bleioxid) - 1317-36-8 Bleititanzirkonoxid - 12626-81-2
ambient temperature • during operation • during storage -20 +60 °C -55 +80 °C	Ambient conditions	
 during operation during storage -20 +60 °C -55 +80 °C 	installation altitude at height above sea level maximum	2 000 m
• during storage -55 +80 °C	ambient temperature	
3 - 4 - 5	during operation	-20 +60 °C
	during storage	-55 +80 °C
◆ during transport →55 +80 °C	during transport	-55 +80 °C

relative humidity during operation	10 90 %
Main circuit	
number of poles for main current circuit	3
adjustable current response value current of the current- dependent overload release	8 32 A
formula for making capacity limit current	12 x le
formula for limit current breaking capacity	10 x le
yielded mechanical performance for 4-pole AC motor	
at 400 V rated value	15 kW
operating voltage at AC-3 rated value maximum	400 V
operational current	
at AC at 400 V rated value	32 A
at AC-3 at 400 V rated value	32 A
• at AC-43	
— at 400 V rated value	29 A
operating power	
at AC-3 at 400 V rated value	15 kW
• at AC-43	
— at 400 V rated value	15 000 W
no-load switching frequency	3 600 1/h
operating frequency	
at AC-41 according to IEC 60947-6-2 maximum	750 1/h
at AC-43 according to IEC 60947-6-2 maximum	250 1/h
Control circuit/ Control	
type of voltage	AC/DC
control supply voltage 1 at AC	Noibo
• at 50 Hz rated value	24 V
• at 50 Hz	24 24 V
• at 60 Hz rated value	24 V
• at 60 Hz	24 V
control supply voltage frequency	24 V
1 rated value	50 Hz
• 2 rated value	60 Hz
control supply voltage 1	00112
at DC rated value	24 V
• at DC	24 24 V
holding power	21211
at AC maximum	3.5 W
at DC maximum	3.1 W
Auxiliary circuit	0.1 **
number of NC contacts for auxiliary contacts	0
number of NO contacts for auxiliary contacts	2
number of NO contacts for auxiliary contacts number of NO contacts of instantaneous short-circuit trip unit for	1
signaling contacts of the current-dependent overload	1
release for signaling contact	
operational current of auxiliary contacts at AC-12 maximum	10 A
operational current of auxiliary contacts at DC-13 at 250 V	0.27 A
Protective and monitoring functions	
trip class	CLASS 10 and 20 adjustable
operating short-circuit current breaking capacity (lcs)	
• at 400 V	53 kA
UL/CSA ratings	
full-load current (FLA) for 3-phase AC motor	
at 480 V rated value	32 A
yielded mechanical performance [hp] for 3-phase AC motor	
• at 200/208 V rated value	7.5 hp
• at 220/230 V rated value	10 hp
• at 460/480 V rated value	20 hp
contact rating of auxiliary contacts according to UL	contacts 21-22, 13-14, 43-44 Q600 / A600, contacts 77-78 R300 / B300,
	contacts 95-96-98 R300 / D300

Short-circuit protection	
product function short circuit protection	Yes
design of short-circuit protection	electromagnetic
design of the fuse link	
for short-circuit protection of the auxiliary switch required	fuse gL/gG: 10 A
for short-circuit protection of the signaling switch of the short-circuit release required	6A gL/gG/400V
for short-circuit protection of the signaling switch of the overload release required	4A gL/gG/400V
Installation/ mounting/ dimensions	
mounting position	any
• recommended	vertical, on horizontal standard DIN rail
fastening method	screw and snap-on mounting
height	191 mm
width	90 mm
depth	165 mm
Connections/ Terminals	
product component removable terminal for main circuit	Yes
product component removable terminal for auxiliary and	Yes
control circuit type of electrical connection	
for main current circuit	plug-in without terminals
for auxiliary and control circuit	spring-loaded terminals
type of connectable conductor cross-sections for main contacts	oping loaded terminals
solid	2x (2.5 6 mm²), 1x 10 mm²
finely stranded with core end processing finely stranded without core and processing	2x (2.5 6 mm²)
• finely stranded without core end processing	2x (2.5 6 mm²)
type of connectable conductor cross-sections	
for auxiliary contacts	0 (0.05 4.5 mm²)
— solid	2x (0.25 1.5 mm²)
— finely stranded with core end processing	2x (0.25 1.5 mm²)
— finely stranded without core end processing	2x (0.25 1.5 mm²)
for AWG cables for auxiliary contacts Safety related data	2x (24 16)
	2 000 000
B10 value with high demand rate according to SN 31920	2 000 000
proportion of dangerous failureswith low demand rate according to SN 31920	40 %
with high demand rate according to SN 31920 with high demand rate according to SN 31920	50 %
failure rate [FIT] with low demand rate according to SN 31920	100 FIT
T1 value for proof test interval or service life according to IEC	20 a
61508 protection class IP on the front according to IEC 60529	IP20
touch protection on the front according to IEC 60529	finger-safe
Communication/ Protocol	inigor outo
product function bus communication	No
protocol is supported	110
AS-Interface protocol	No
·	No
IO-Link protocol product function control circuit interface with IO link	No
Electromagnetic compatibility	
conducted interference	
due to burst according to IEC 61000-4-4	4 kV main contacts, 2 kV auxiliary contacts
 due to burst according to IEC 61000-4-4 due to conductor-earth surge according to IEC 61000-4-5 	4 kV main contacts, 2 kV auxiliary contacts
due to conductor-earth surge according to IEC 61000-4-5 due to conductor-conductor surge according to IEC 61000-4-5 61000-4-5	2 kV main contacts, 1 kV auxiliary contacts
 due to high-frequency radiation according to IEC 61000- 4-6 	0.15-80Mhz at 10V
field-based interference according to IEC 61000-4-3	10 V/m
electrostatic discharge according to IEC 61000-4-2	8 kV
conducted HF interference emissions according to CISPR11	150 kHz 30 MHz Class A

Supply voltage		
Supply voltage required Auxiliary voltage	No	
Display		
number of LEDs	3	
Cortificator/ approvals		

Certificates/ approvals

General Product Approval

EMC

Functional Safety/Safety of Machinery



Confirmation









Declaration of Conformity

Test Certificates

Marine / Shipping





Type Test Certificates/Test Report







Marine / Shipping

other

Dangerous Good





Confirmation

Transport Information

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=3RA6250-2EB33

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RA6250-2EB33

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

https://support.industry.siemens.com/cs/ww/en/ps/3RA6250-2EB33

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

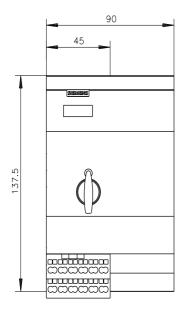
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RA6250-2EB33&lang=en

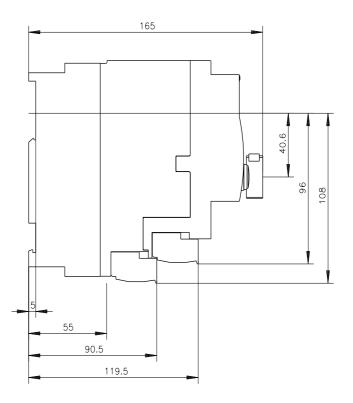
Characteristic: Tripping characteristics, I2t, Let-through current

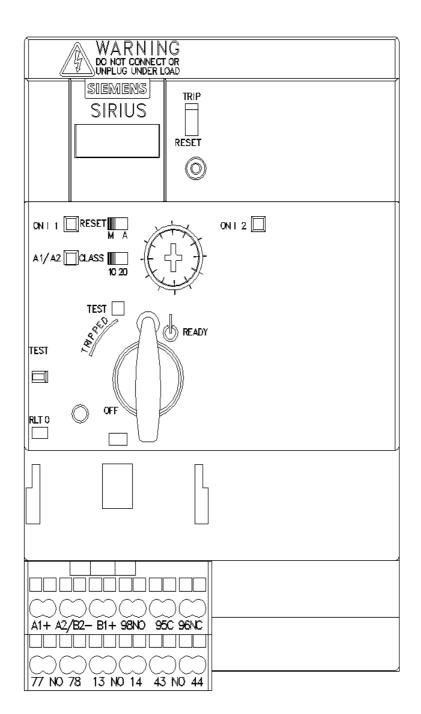
https://support.industry.siemens.com/cs/ww/en/ps/3RA6250-2EB33/char

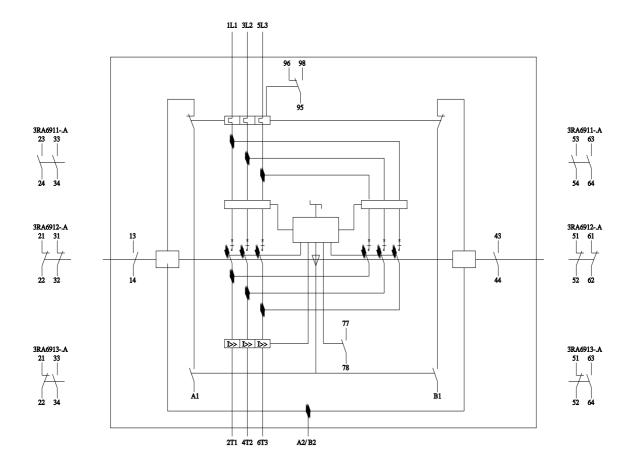
Further characteristics (e.g. electrical endurance, switching frequency)

http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RA6250-2EB33&objecttype=14&gridview=view1









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