## **SIEMENS**

Data sheet 3RA6250-2AP33



SIRIUS Compact load feeder Reversing starter 690 V 110...240 V AC/DC 50...60 Hz 0.1...0.4 A IP20 Connection main circuit: plug-in, without terminals Connection control circuit: Spring-type terminal

product designation compact starter  design of the product preduct preversing starter  product type designation  General technical data  product function control circuit interface to parallel wiring product extension auxiliary switch Yes  power loss (W) for rated value of the current  • at AC in hot operating state per pole • at AC in hot operating state per pole • at AC in hot operating state per pole • without load current sharet ypical  insulation voltage rated value degree of pollution 3 surge voltage resistance rated value • between main and auxiliary circuit • between main and auxiliary circuit • between control and auxiliary circuit • between control and auxiliary circuit • between control and auxiliary circuit shock resistance  a=60 m/s2 (6g) with 10 ms per 3 shocks in all axes  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 AC-15 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 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 230 V typical • at AC-15 at 6 A at 240 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 240 V typical • at AC-15 at 6 A at 240 V typical • at AC-15 at 6 A at 240 V typical • at AC-15 at 6 A at 240 V typical • at AC-15 at 6 A at 240 V typical • at AC-15 at 6 A at 240 V typical • at AC-15 at 6 A at 240 V typical • at AC-15 at 6 A at 240 V typical • at AC-15 at 6 A at 240 V typical • at AC-15 at 6 A at 240 V typical • at AC-15 at 6 A at 240 V typical • at AC-15 at 6 A at 240 V typical • at AC-15 at 6 A at 240 V typical • at AC-15 at 6 A at 240 V typical • at AC-15 at 6 A at 240 V typical • at AC-15 at 6 A	product brand name	SIRIUS		
design of the product product type designation  General technical data  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 out AC in hot operating state per pole without load current share typical insulation voltage rated value degree of pollution 3 surge voltage restance rated value maximum permissible voltage for protective separation between main and auxiliary circuit between auxiliary and auxiliary circuit degree of protection NEMA rating shock resistance mechanical service life (operating cycles) of the main contacts typical of the main contacts typical of the signaling contacts typical of the signaling contacts typical at AC-15 at 6 A at 230 V typical  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  Bleit-naxide (Beix) in 137-36-8 Bleittanzirkonoxid - 12626-81-2 2.2.6.6-Tetrabrom-4.4-isoporpylidendi - 79-94-7  Ambient conditions				
product type designation  General technical data 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		·		
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 • at AC in hot operating state per pole • without load current share typical • goo V  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 • between control and auxiliary circuit • other • shock resistance  mechanical service life (operating cycles) • of the main contacts typical • of auxiliary contacts typical • of auxiliary contacts typical • of auxiliary contacts typical • of the signaling contacts typical • of the signaling contacts typical • of at AC-15 at 6 A at 24 V typical • at AC-15 at 6 A at 23 V typical  at AC-15 at 6 A at 230 V typical  ype of assignment continous operation according to IEC 60947-6-2  reference code according to IEC 81346-2  Q  Substance Prohibitance (Date)  SVHC substance name  Description and substance in the current of the current of the continous operation according to 1317-36-8  Bielitianzirkonoxid - 12626-81-2  2,2,6,6-Tetrabrom-4,4-sopropylidendi - 79-94-7				
power loss [W] for rated value of the current  • at AC in hot operating state 0.0.1 W  • at AC in hot operating state per pole 0.01 W  • without load current share typical 6 W  insulation voltage rated value 690 V  degree of pollution 3  surge voltage resistance rated value 6 000 V  maximum permissible voltage for protective separation  • between main and auxiliary circuit 400 V  • between main and auxiliary circuit 250 V  • 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  mechanical service life (operating cycles)  • of the main contacts typical 10 000 000  • of auxiliary contacts typical 10 000 000  • of the signaling contacts typical 10 000 000  • of the signaling contacts typical 10 000 000  • of the signaling contacts typical 200 000  electrical endurance (operating cycles) of auxiliary contacts  • at DC-13 at 6 A at 23 V typical 200 000  type of assignment contacts typical 200 000  type of assignment contacts (Date) 95/01/2012  Substance Prohibitance (Date) 95/01/2012  SVHC substance name Biei 7439-92-1  Bieimonoxid (Bleioxid) - 1317-36-8  Bielitarazirkonoxid - 12626-81-2  2,2,6,6-Tetrabrom-4,4-4-isopropylidendi - 79-94-7	product function control circuit interface to parallel wiring	Yes		
at AC in hot operating state 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 as your permissible voltage for protective separation between main and auxiliary circuit between auxiliary and auxiliary circuit between auxiliary and auxiliary circuit between control and auxiliary circuit  between control and auxiliary circuit  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  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 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 reference code according to IEC 81346-2 Q Substance Prohibitance (Date)  SUHC substance name  at AC-15 at 6 A at 24 V typical Bleit A39-92-1 Bleimonoxid (Bleioxid) - 1317-36-8 Bleittanzirkonoxid - 12826-81-2 2,2:6,6-Tetrabrom-4,4-isopropylidendi - 79-94-7	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 6000 V  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 ontrol and auxiliary circuit between ontrol and auxiliary circuit between of protection NEMA rating other shock resistance a=60 m/s2 (6g) with 10 ms per 3 shocks in all axes mechanical service life (operating cycles) of the main contacts typical of auxiliary contacts typical of the signaling contacts typical of the signaling contacts typical lectrical endurance (operating cycles) of auxiliary contacts at DC-13 at 6 A at 24 V typical of the At 230 V typical at DC-13 at 6 A at 230 V typical cat AC-15 at 6 A at 230 V typical continous operation according to IEC 81346-2  Substance Prohibitance (Date)  SVHC substance name  On the signaling contact of the continous operation according to IEC 60947-6-2 Beleittanzirkonoxid - 12626-81-2 2,2,6,6-Tetrabrom-4,4-Isopropylidendi - 79-94-7	power loss [W] for rated value of the current			
without load current share typical     insulation voltage rated value     degree of pollution     3     surge voltage resistance rated value         6 000 V      maximum permissible voltage for protective separation         • between main and auxiliary circuit         • between auxiliary and auxiliary circuit         • between currol and auxiliary circuit         • between control and auxiliary circuit         • between control and auxiliary circuit         • other resistance         • a=60 m/s2 (6g) with 10 ms per 3 shocks in all axes  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         • 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         • onthous operation according to IEC 60947-6-2         reference code according to IEC 81346-2         Q         Substance Prohibitance (Date)  SVHC substance name     Maximum permissible voltage for protective separation           400 V	• at AC in hot operating state	0.01 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  • other  shock 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  • 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  • other code according to IEC 81346-2  Substance Prohibitance (Date)  SVHC substance name  Bleit-Tay39-92-1  Bleimonoxid (Bleioxid) - 1317-36-8  Bleittanzirkonoxid - 12626-81-2  2,2',6,6'-Tetrabrom-4,4'-isopropylidendi - 79-94-7	<ul> <li>at AC in hot operating state per pole</li> </ul>	0.01 W		
degree of pollution surge voltage resistance rated value 6 000 V  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 300 V  degree of protection NEMA rating shock resistance  mechanical service life (operating cycles) • of the main contacts typical • of auxiliary 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  type of assignment  reference code according to IEC 81346-2 Substance Prohibitance (Date)  SVHC substance name  degree of protection spearation  3 000 V  4 00 V  400 V  40	<ul> <li>without load current share typical</li> </ul>	6 W		
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  300 V  degree of protection NEMA rating  shock 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  • at DC-13 at 6 A at 24 V typical  • at DC-13 at 6 A at 23 V typical  • at AC-15 at 6 A at 230 V typical  • of assignment  reference code according to IEC 81346-2  Substance Prohibitance (Date)  SVHC substance name  Biei - 7439-92-1  Bleimonoxid (Bleioxid) - 1317-36-8  Bleittanzirkonoxid - 12626-81-2  2,2',6,6'-Tetrabrom-4,4'-isopropylidendi - 79-94-7	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  • between control and auxiliary circuit  300 V  degree of protection NEMA rating  shock 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  • 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 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	degree of pollution	3		
between main and auxiliary circuit     between auxiliary and auxiliary circuit     between control 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  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 conditions  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     onto 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  Bleittanzirknoxid - 12626-81-2     2,2',6,6'-Tetrabrom-4,4'-isopropylidendi - 79-94-7	surge voltage resistance rated value	6 000 V		
between auxiliary and auxiliary circuit     between control and auxiliary circuit     degree of protection NEMA rating     other shock resistance     a=60 m/s2 (6g) with 10 ms per 3 shocks in all axes  mechanical service life (operating cycles)     of the main contacts typical     of auxiliary contacts typical     of the signaling contacts typical     or the signalin	maximum permissible voltage for protective separation			
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  mechanical service life (operating cycles)     of the main contacts typical     of auxiliary contacts typical     of the signaling contacts typical     of the signaling contacts typical     of the signaling contacts typical     of auxiliary contacts     other     of the signaling contacts typical     on the signaling contacts ty	<ul> <li>between main and auxiliary circuit</li> </ul>	400 V		
degree of protection NEMA rating shock resistance a=60 m/s2 (6g) with 10 ms per 3 shocks in all axes  mechanical service life (operating cycles)  • of the main contacts typical • of auxiliary 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 A at 24 V typical 30 000 • 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 Qubstance 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	<ul> <li>between auxiliary and auxiliary circuit</li> </ul>	250 V		
shock resistance  mechanical service life (operating cycles)  of the main contacts typical  of the signaling contacts the signaling contacts the signaling contacts the signaling contacts the	between control and auxiliary circuit	300 V		
mechanical service life (operating cycles)  • of the main 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 AC-15 at 6 A at 230 V typical  • at AC-15 at 6 A at 230 V typical  • ontinous 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	degree of protection NEMA rating	other		
of the main contacts typical     of auxiliary contacts typical     of the signaling cycles of auxiliary contacts     of the signaling cycles	shock resistance	a=60 m/s2 (6g) with 10 ms per 3 shocks in all axes		
of auxiliary contacts typical     of the signaling contacts typical     of the signaling contacts typical     lectrical endurance (operating cycles) of auxiliary contacts     o at DC-13 at 6 A at 24 V typical     o at AC-15 at 6 A at 230 V typical     otype of assignment     continous operation according to IEC 60947-6-2  reference code according to IEC 81346-2  Questionary of the signal of the signa	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  ● 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  Bleittanzirkonoxid - 12626-81-2  2,2',6,6'-Tetrabrom-4,4'-isopropylidendi - 79-94-7  Ambient conditions	<ul> <li>of the main contacts typical</li> </ul>	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  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	<ul> <li>of auxiliary contacts typical</li> </ul>	10 000 000		
<ul> <li>at DC-13 at 6 A at 24 V typical</li> <li>at AC-15 at 6 A at 230 V typical</li> <li>200 000</li> <li>type of assignment</li> <li>continous operation according to IEC 60947-6-2</li> <li>reference code according to IEC 81346-2</li> <li>Q</li> <li>Substance Prohibitance (Date)</li> <li>SVHC substance name</li> <li>Blei - 7439-92-1</li> <li>Bleimonoxid (Bleioxid) - 1317-36-8</li> <li>Bleiitlanzirkonoxid - 12626-81-2</li> <li>2,2',6,6'-Tetrabrom-4,4'-isopropylidendi - 79-94-7</li> </ul> Ambient conditions	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	electrical endurance (operating cycles) of auxiliary contacts			
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	• 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	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	type of assignment	continous operation according to IEC 60947-6-2		
Blei - 7439-92-1 Bleimonoxid (Bleioxid) - 1317-36-8 Bleiititanzirkonoxid - 12626-81-2 2,2',6,6'-Tetrabrom-4,4'-isopropylidendi - 79-94-7  Ambient conditions	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	Substance Prohibitance (Date)	05/01/2012		
	SVHC substance name	Bleimonoxid (Bleioxid) - 1317-36-8 Bleititanzirkonoxid - 12626-81-2		
installation altitude at height above sea level maximum 2 000 m	Ambient conditions			
	installation altitude at height above sea level maximum	2 000 m		
ambient temperature	ambient temperature			
• during operation -20 +60 °C	<ul> <li>during operation</li> </ul>	-20 +60 °C		
• during storage -55 +80 °C	during storage	-55 +80 °C		
• during transport -55 +80 °C	during transport	-55 +80 °C		
relative humidity during operation 10 90 %	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	0.1 0.4 A
formula for making capacity limit current	120 x le
formula for limit current breaking capacity	100 x le
yielded mechanical performance for 4-pole AC motor	
at 400 V rated value	0.09 kW
• at 500 V rated value	0.12 kW
• at 690 V rated value	0.18 kW
operating voltage at AC-3 rated value maximum	690 V
operational current	
• at AC at 400 V rated value	0.4 A
• at AC-3 at 400 V rated value	0.4 A
• at AC-43	
— at 400 V rated value	0.3 A
— at 500 V rated value	0.32 A
— at 690 V rated value	0.35 A
operating power	
at AC-3 at 400 V rated value	0.09 kW
• at AC-43	
— at 400 V rated value	90 W
— at 500 V rated value	120 W
— at 690 V rated value	180 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	
at 50 Hz rated value	240 V
● at 50 Hz	110 240 V
• at 60 Hz	110 240 V
control supply voltage frequency	
• 1 rated value	50 Hz
• 2 rated value	60 Hz
control supply voltage 1	
at DC rated value	240 V
• at DC	110 240 V
holding power	
• at AC maximum	6 W
at DC maximum	5.1 W
Auxiliary circuit	
number of NC contacts for auxiliary contacts	0
number of NO contacts for auxiliary contacts	2
number of NO contacts of instantaneous short-circuit trip unit for signaling contact	1
number of CO contacts of the current-dependent overload release for signaling contact	1
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 (Ics)	
• at 400 V	53 kA
• at 500 V rated value	3 kA
at 690 V rated value	3 kA
UL/CSA ratings	
full-load current (FLA) for 3-phase AC motor	
• at 480 V rated value	0.4 A

at 600 V rated value	0.4 A			
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				
<ul> <li>for short-circuit protection of the auxiliary switch required</li> </ul>	fuse gL/gG: 10 A			
<ul> <li>for short-circuit protection of the signaling switch of the short-circuit release required</li> </ul>	6A gL/gG/400V			
<ul> <li>for short-circuit protection of the signaling switch of the overload release required</li> </ul>	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 control circuit	Yes			
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				
• solid	2x (1.5 6 mm²), 1x 10 mm²			
finely stranded with core end processing	2x (1.5 6 mm²)			
finely stranded without core end processing	2x (1.5 6 mm²)			
type of connectable conductor cross-sections	2. ()			
• for auxiliary contacts				
— 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	2x (24 16)			
Safety related data	ZA (Z4 10)			
proportion of dangerous failures	40 %			
<ul> <li>with low demand rate according to SN 31920</li> <li>with high demand rate according to SN 31920</li> </ul>				
failure rate [FIT] with low demand rate according to SN	50 % 100 FIT			
31920  B10 value with high demand rate according to SN 31920	3 000 000			
T1 value for proof test interval or service life according to IEC 61508	20 a			
protection class IP on the front according to IEC 60529	IP20			
touch protection on the front according to IEC 60529	finger-safe			
Communication/ Protocol				
product function bus communication	No			
·				
protocol is supported  • AS-Interface protocol	No			
AS-Interface protocol     IO Link protocol	No			
IO-Link protocol  product function control circuit interface with IO link	No			
product function control circuit interface with IO link	NO TO THE PERSON OF THE PERSON			
Electromagnetic compatibility				
conducted interference	4 kV main contacts 2 kV auxilians contacts			
due to burst according to IEC 61000-4-4      due to conductor conth surger 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 according to IEC.	4 kV main contacts, 2 kV auxiliary contacts			
due to conductor-conductor surge according to IEC 61000-4-5      due to high frequency radiation considers to IEC 61000.	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		
field-bound HF interference emission according to CISPR11	30 1000 MHz Class A		
Supply voltage			
Supply voltage required Auxiliary voltage	No		
Display			
number of LEDs	3		
Approvals Certificates			
General Product Approval		EMC	Functional Safety/Safety of Ma-

Confirmation











chinery

**Declaration of Conformity** 

**Test Certificates** 

Marine / Shipping





Type Test Certificates/Test Report







Marine / Shipping

other

**Dangerous Good** 



<u>Confirmation</u> <u>Transport Information</u>

## 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=3RA6250-2AP33

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RA6250-2AP33

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

https://support.industry.siemens.com/cs/ww/en/ps/3RA6250-2AP33

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

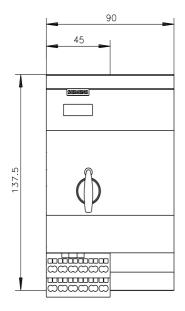
http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RA6250-2AP33&lang=en

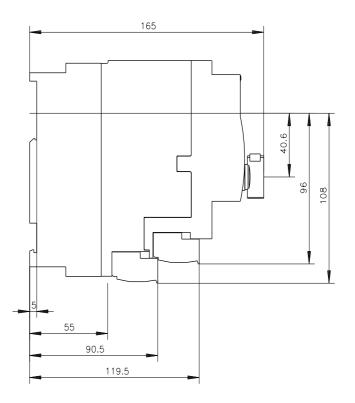
Characteristic: Tripping characteristics, I²t, Let-through current

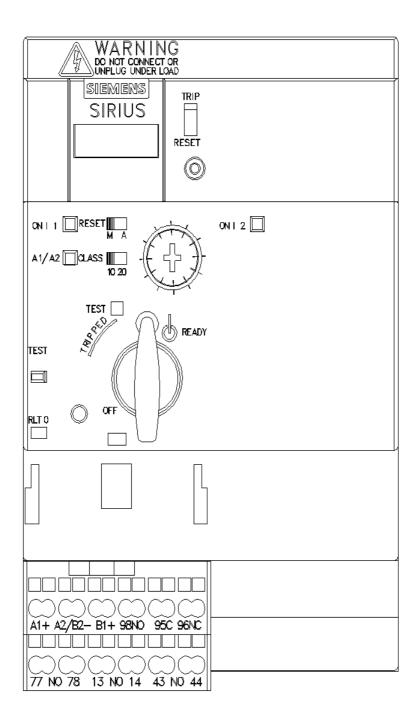
 $\underline{\text{https://support.industry.siemens.com/cs/ww/en/ps/3RA6250-2AP33/char}}$ 

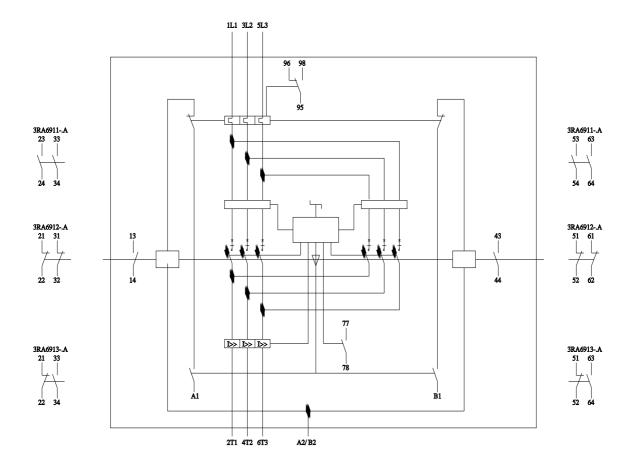
Further characteristics (e.g. electrical endurance, switching frequency)

http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RA6250-2AP33&objecttype=14&gridview=view1









last modified: 8/7/2023 🖸