## **SIEMENS**

Data sheet 3RA6250-1CB32



SIRIUS Compact load feeder Reversing starter 690 V 24 V AC/DC 50...60 Hz 1...4 A IP20 Connection main circuit: Screw terminal Connection control circuit: screw terminal

product designation compact starter  design of the product predesignation 3RA62  Central technical data product function control circuit interface to parallel wiring Yes product extension auxiliary switch Yes power loss [W] for rated value of the current  • at AC in hot operating state = 1 1 W  • at AC in hot operating state per pole 0.33 W  • without load current share typical 2.9 W  Insulation voltage rated value 680 V  degree of pollution 3  surge voltage resistance rated value 600 V  maximum permissible voltage for protective separation 0.5 where main and auxiliary circuit 400 V  • between auxiliary and auxiliary circuit 250 V  • between control and auxiliary circuit 250 V  • between control and auxiliary circuit 300 V  degree of protection NEMA rating other shock resistance as 60 m/s2 (6g) with 10 ms per 3 shocks in all axes with a shock resistance as 60 m/s2 (6g) with 10 ms per 3 shocks in all axes with a 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 auxiliary contacts typical 10 000 000 000 10 000 000 1	product brand name	SIRIUS		
design of the product product type designation  3RA62  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 per pole • without load current share typical • without load current share typical • without load current share relypical • without load current share relypical • surge voitage resistance rated value  690 V  degree of pollution 3 surge voitage resistance rated value maximum permissible voltage for protective separation • between main and auxiliary circuit • 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 • between in the maxiliary and auxiliary circuit • between control and auxiliary circuit • between ramin and increase typical • of the main contacts typical • of the main contacts typical • of the main contacts typical • of the signaling contacts typical • of the signa	·			
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 • without load current share typical insulation voltage rated value • degree of pollution 3 surge voltage resistance rated value • between main and auxiliary circuit • between main and auxiliary circuit • between main and auxiliary circuit • between control and auxiliary circuit • of the resistance • a=60 m/s2 (6g) with 10 ms per 3 shocks in all axes  vibration resistance  vibration resistance  f= 458 Hz, d= 15 mm; f= 5.8500 Hz, a= 20 m/s²; 10 cycles  mechanicial service life (operating cycles) • of the main contacts typical • of the signaling contacts typical • of auxiliary 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	<u> </u>			
Product function control circuit interface to parallel wiring				
product extension auxillary switch power loss [W] for rated value of the current  • at AC in hot operating state   1 W  • at AC in hot operating state per pole   0.33 W  • without load current share typical   2.9 W  insulation voltage rated value   690 V  degree of pollution   3  surge voltage resistance rated value   690 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   0ther   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)   10 000 000   • of the signaling 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   10 000 000   • of the signaling contacts typical   200 0				
power loss [W] for rated value of the current  at AC in hot operating state 1W 0.33 W	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   belower main and auxiliary circuit   between main and auxiliary circuit   between auxiliary and auxiliary circuit   between control and auxiliary circuit   between resistance   degree of protection NEMA rating   shock resistance   degree of protection NEMA rating   shock resistance   def 4 5.8 Hz, d= 15 mm; f= 5.8 500 Hz, a= 20 m/s²; 10 cycles   degree of protection nests typical   of auxiliary contacts typical   of the main contacts typical   of the signaling contacts typical   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   200 000   type of assignment   continous operation according to IEC 80947-6-2   Gubstance Prohibitance (Date)   SVHC substance name   Blein-radio-pack (Beloxid) - 1317-36-8   Bleintonoxid (Beloxid) - 1317-36-8   Bleintonox	product extension auxiliary switch	Yes		
at AC in hot operating state per pole  without load current share typical  surge voltage read value  degree of pollution  asurge voltage resistance rated value  between main and auxiliary circuit  between main and auxiliary circuit  between control nation auxiliary circuit  between control and auxiliary circuit  between control and auxiliary circuit  between control and auxiliary circuit  between control nation nation nation auxiliary circuit  between control nation nati	power loss [W] for rated value of the current			
without load current share typical  2.9 W  insulation voltage rated value  degree of pollution  3  surge voltage resistance rated value  • between main and auxiliary circuit  • between control and auxiliary circuit  • control stance  • a=60 m/s2 (6g) with 10 ms per 3 shocks in all axes  • 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  • continous operation according to IEC 60947-6-2  Substance Prohibitance (Date)  SVHC substance name  Blein-ra39-92-1  Bleimonoxid (Bleioxid) - 1317-36-8  Bleittanzirkonoxid - 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  -55 +80 °C	• at AC in hot operating state	1 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 main and auxiliary circuit  • between control and auxiliary circuit  shock resistance  degree of protection NEMA rating  shock resistance  mechanical service life (operating cycles)  • of the main contacts typical  • of the signaling contacts typical  • of the 3 A at 24 V typical  • at AC-15 at 6 A at 24 V typical  • at AC-15 at 6 A at 23 V typical  voluntiance (Date)  Substance Prohibitance (Date)  SVHC substance name    Signaling contacts at least at leight above sea level maximum  ambient conditions  installation altitude at height above sea level maximum  of uuring operation  -20 +60 °C  -55 +80 °C	• at AC in hot operating state per pole	0.33 W		
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 auxiliary 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 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 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 230 V typical 200 000 type of assignment contacts typical 200 000  type of assignment contacts typical 200 000  type of assignment 200 000  SVHC substance name Bielie 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 installation altitude at height above sea level maximum 2 000 m  ambient temperature • during operation -20 +60 °C • during storage -55 +80 °C	without load current share typical	2.9 W		
surge voltage resistance rated value  maximum permissible voltage for protective separation  • between amain and auxiliary circuit  • between auxiliary and auxiliary circuit  • between control and auxiliary circuit  • 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 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  • other signaling contacts typical  • at AC-15 at 6 A at 230 V typical  • other signaling contacts typical  • other signaling contacts typical  • at AC-15 at 6 A at 230 V typical  • at AC-15 at 6 A at 230 V typical  • other signaling contacts typical  • of the signaling contacts typical  • other signaling cont	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  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  • 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  • at AC-15 at 6 A at 230 V typical  • at AC-15 at 6 A at 230 V typical  • oontinous 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  Bleittanziknoxid - 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	degree of pollution	3		
between main and auxiliary circuit between curviliary and auxiliary circuit between control and auxiliary circuit  other shock resistance  vibration resistance  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 auxiliary contacts typical of the signaling 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 at AC-15 at 6 A at 230 V typical  at AC-15 at 6 A at 230 V typical  between code according to IEC 81346-2  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  installation altitude at height above sea level maximum ambient temperature during operation -20 +60 °C -55 +80 °C	surge voltage resistance rated value	6 000 V		
between auxiliary and auxiliary circuit     between control and auxiliary circuit     other     degree of protection NEMA rating     shock resistance	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  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 contacts typical     of the signaling contacts typical     of the signaling contacts typical     of at DC-13 at 6 A at 24 V typical     at DC-13 at 6 A at 230 V typical     other continous operation according to IEC 81346-2  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  installation altitude at height above sea level maximum     ambient temperature     oduring operation     -20 +60 °C     oduring storage	<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 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 contacts typical of the continuation of the contin	<ul> <li>between auxiliary and auxiliary circuit</li> </ul>	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 contacts typ	<ul> <li>between control and auxiliary circuit</li> </ul>	300 V		
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 of the signa	degree of protection NEMA rating	other		
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 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  Ambient conditions  installation altitude at height above sea level maximum  ambient temperature  • during operation  • during storage  -20 +60 °C  -55 +80 °C	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	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 lo 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  gubstance Prohibitance (Date)  SVHC substance name  Blei - 7439-92-1 Bleimonoxid (Bleioxid) - 1317-36-8 Bleittlanzirkonoxid - 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 during storage  10 000 000  2	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  type of assignment  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 operation             • during storage  -20 +60 °C  • during storage	<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  Ambient conditions  installation altitude at height above sea level maximum  2 000 m  ambient temperature  • during operation  -20 +60 °C  • during storage	<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         <ul> <li>Bleimonoxid (Bleioxid) - 1317-36-8</li> <li>Bleititanzirkonoxid - 12626-81-2</li></ul></li></ul>	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  200 000	electrical endurance (operating cycles) of auxiliary contacts			
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  • during operation • during storage  continous operation according to IEC 60947-6-2  Q  Q  Q  Above 105/01/2012  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 m	• 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 • during storage  -20 +60 °C  -55 +80 °C	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 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 • during storage  05/01/2012  Blei - 7439-92-1 Bleimonoxid (Bleioxid) - 1317-36-8 Bleiittanzirkonoxid - 12626-81-2 2,2',6,6'-Tetrabrom-4,4'-isopropylidendi - 79-94-7  - 20 m  - 20	type of assignment	continous operation according to IEC 60947-6-2		
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  Blei - 7439-92-1 Bleimonoxid (Bleioxid) - 1317-36-8 Bleiittanzirkonoxid - 12626-81-2 2,2',6,6'-Tetrabrom-4,4'-isopropylidendi - 79-94-7	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 • 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	Ambient conditions			
<ul> <li>during operation</li> <li>during storage</li> <li>-20 +60 °C</li> <li>-55 +80 °C</li> </ul>	installation altitude at height above sea level maximum	2 000 m		
• during storage -55 +80 °C	ambient temperature			
	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	1 4 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	
<ul> <li>at 400 V rated value</li> </ul>	1.5 kW
at 500 V rated value	2.2 kW
• at 690 V rated value	3 kW
operating voltage at AC-3 rated value maximum	690 V
operational current	
at AC at 400 V rated value	4 A
at AC-3 at 400 V rated value	4 A
• at AC-43	
— at 400 V rated value	3.6 A
— at 500 V rated value	3.9 A
— at 690 V rated value	3.8 A
operating power	
at AC-3 at 400 V rated value	1.5 kW
• at AC-43	
— at 400 V rated value	1 500 W
— at 500 V rated value	2 200 W
— at 690 V rated value	3 000 W
no-load switching frequency	3 600 1/h
operating frequency	3 000 1/11
at AC-41 according to IEC 60947-6-2 maximum	750 1/h
at AC-41 according to IEC 60947-6-2 maximum     at AC-43 according to IEC 60947-6-2 maximum	250 1/h
Control circuit/ Control	200 1/11
	ACIDO
type of voltage	AC/DC
control supply voltage 1 at AC  • at 50 Hz rated value	24 V
• at 50 Hz	24 ··· 24 V
at 60 Hz rated value	24 V. 24 V
• at 60 Hz	24 V
control supply voltage frequency	Z4 V
• 1 rated value	50 Hz
2 rated value	60 Hz
	00 HZ
control supply voltage 1	24 V
at DC rated value	
• at DC	24 24 V
holding power	201//
<ul><li>at AC maximum</li><li>at DC maximum</li></ul>	2.8 W
	2.9 W
Auxiliary circuit	0
number of NO 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
signaling contact number of CO contacts of the current-dependent overload	
signaling contact number of CO contacts of the current-dependent overload release for signaling contact operational current of auxiliary contacts at AC-12 maximum	1
signaling contact number of CO contacts of the current-dependent overload release for signaling contact  operational current of auxiliary contacts at AC-12 maximum operational current of auxiliary contacts at DC-13 at 250 V	1 10 A
signaling contact number of CO contacts of the current-dependent overload release for signaling contact  operational current of auxiliary contacts at AC-12 maximum  operational current of auxiliary contacts at DC-13 at 250 V  Protective and monitoring functions	1 10 A 0.27 A
signaling contact number of CO contacts of the current-dependent overload release for signaling contact  operational current of auxiliary contacts at AC-12 maximum operational current of auxiliary contacts at DC-13 at 250 V  Protective and monitoring functions  trip class	1 10 A
signaling contact number of CO contacts of the current-dependent overload release for signaling contact  operational current of auxiliary contacts at AC-12 maximum operational current of auxiliary contacts at DC-13 at 250 V  Protective and monitoring functions  trip class  operating short-circuit current breaking capacity (Ics)	1 10 A 0.27 A CLASS 10 and 20 adjustable
signaling contact number of CO contacts of the current-dependent overload release for signaling contact  operational current of auxiliary contacts at AC-12 maximum operational current of auxiliary contacts at DC-13 at 250 V  Protective and monitoring functions  trip class  operating short-circuit current breaking capacity (Ics)  • at 400 V	1 10 A 0.27 A  CLASS 10 and 20 adjustable 53 kA
signaling contact number of CO contacts of the current-dependent overload release for signaling contact  operational current of auxiliary contacts at AC-12 maximum operational current of auxiliary contacts at DC-13 at 250 V  Protective and monitoring functions  trip class  operating short-circuit current breaking capacity (Ics)  • at 400 V  • at 500 V rated value	1 10 A 0.27 A  CLASS 10 and 20 adjustable 53 kA 3 kA
signaling contact number of CO contacts of the current-dependent overload release for signaling contact  operational current of auxiliary contacts at AC-12 maximum operational current of auxiliary contacts at DC-13 at 250 V  Protective and monitoring functions  trip class  operating short-circuit current breaking capacity (Ics)  • at 400 V	1 10 A 0.27 A  CLASS 10 and 20 adjustable 53 kA

full-load current (FLA) for 3-phase AC motor			
<ul> <li>at 480 V rated value</li> </ul>	4 A		
<ul> <li>at 600 V rated value</li> </ul>	4 A		
yielded mechanical performance [hp] for 3-phase AC motor			
• at 200/208 V rated value	0.75 hp		
• at 220/230 V rated value	0.75 hp		
• at 460/480 V rated value	·		
• at 575/600 V rated value	2 hp 3 hp		
contact rating of auxiliary contacts according to UL	contacts 21-22, 13-14, 43-44 Q600 / A600, contacts 77-78 R300 / B300,		
contact rating of auxiliary contacts according to 02	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		
for short-circuit protection of the signaling switch of the	4A gL/gG/400V		
overload release required Installation/ mounting/ dimensions			
	any .		
mounting position	any		
• recommended	vertical, on horizontal standard DIN rail		
fastening method	screw and snap-on mounting		
height	170 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	screw-type terminals		
for auxiliary and control circuit	screw-type terminals		
type of connectable conductor cross-sections for main contacts	or or		
• solid	2x (1.5 6 mm²), 1x 10 mm²		
finely stranded with core end processing	2x (1.5 6 mm²)		
type of connectable conductor cross-sections	2. (		
for auxiliary contacts			
— solid	0.5 4 mm² 2v (0.5 2.5 mm²)		
	0.5 4 mm², 2x (0.5 2.5 mm²)		
— finely stranded with core end processing	0.5 2.5 mm², 2x (0.5 1.5 mm²)		
for AWG cables for auxiliary contacts	2x (20 14)		
Safety related data			
B10 value with high demand rate according to SN 31920			
	3 000 000		
proportion of dangerous failures			
with low demand rate according to SN 31920	40 %		
with low demand rate according to SN 31920	40 %		
<ul> <li>with low demand rate according to SN 31920</li> <li>with high demand rate according to SN 31920</li> </ul>	40 % 50 %		
with low demand rate according to SN 31920     with high demand rate according to SN 31920 failure rate [FIT] with low demand rate according to SN 31920 T1 value for proof test interval or service life according to IEC	40 % 50 % 100 FIT		
with low demand rate according to SN 31920     with high demand rate according to SN 31920  failure rate [FIT] with low demand rate according to SN 31920  T1 value for proof test interval or service life according to IEC 61508	40 % 50 % 100 FIT 20 a		
with low demand rate according to SN 31920     with high demand rate according to SN 31920  failure rate [FIT] with low demand rate according to SN 31920  T1 value for proof test interval or service life according to IEC 61508  protection class IP on the front according to IEC 60529	40 % 50 % 100 FIT 20 a		
with low demand rate according to SN 31920     with high demand rate according to SN 31920 failure rate [FIT] with low demand rate according to SN 31920 T1 value for proof test interval or service life according to IEC 61508 protection class IP on the front according to IEC 60529 touch protection on the front according to IEC 60529	40 % 50 % 100 FIT 20 a		
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with low demand rate according to SN 31920     with high demand rate according to SN 31920 failure rate [FIT] with low demand rate according to SN 31920 T1 value for proof test interval or service life according to IEC 61508 protection class IP on the front according to IEC 60529 touch protection on the front according to IEC 60529 Communication/ Protocol product function bus communication	40 % 50 % 100 FIT 20 a IP20 finger-safe		
with low demand rate according to SN 31920     with high demand rate according to SN 31920 failure rate [FIT] with low demand rate according to SN 31920 T1 value for proof test interval or service life according to IEC 61508 protection class IP on the front according to IEC 60529 touch protection on the front according to IEC 60529 Communication/ Protocol product function bus communication protocol is supported	40 % 50 % 100 FIT 20 a IP20 finger-safe		
with low demand rate according to SN 31920     with high demand rate according to SN 31920 failure rate [FIT] with low demand rate according to SN 31920 T1 value for proof test interval or service life according to IEC 61508 protection class IP on the front according to IEC 60529 touch protection on the front according to IEC 60529 Communication/ Protocol product function bus communication protocol is supported     AS-Interface protocol	40 % 50 % 100 FIT 20 a IP20 finger-safe No		
with low demand rate according to SN 31920     with high demand rate according to SN 31920 failure rate [FIT] with low demand rate according to SN 31920 T1 value for proof test interval or service life according to IEC 61508 protection class IP on the front according to IEC 60529 touch protection on the front according to IEC 60529 Communication/ Protocol product function bus communication protocol is supported	40 % 50 % 100 FIT 20 a IP20 finger-safe  No No		
with low demand rate according to SN 31920     with high demand rate according to SN 31920 failure rate [FIT] with low demand rate according to SN 31920 T1 value for proof test interval or service life according to IEC 61508 protection class IP on the front according to IEC 60529 touch protection on the front according to IEC 60529 Communication/ Protocol product function bus communication protocol is supported	40 % 50 % 100 FIT 20 a IP20 finger-safe  No No		
with low demand rate according to SN 31920     with high demand rate according to SN 31920 failure rate [FIT] with low demand rate according to SN 31920 T1 value for proof test interval or service life according to IEC 61508 protection class IP on the front according to IEC 60529 touch protection on the front according to IEC 60529 Communication/ Protocol product function bus communication protocol is supported	40 % 50 % 100 FIT 20 a IP20 finger-safe  No No No No		
with low demand rate according to SN 31920     with high demand rate according to SN 31920 failure rate [FIT] with low demand rate according to SN 31920 T1 value for proof test interval or service life according to IEC 61508 protection class IP on the front according to IEC 60529 touch protection on the front according to IEC 60529 Communication/ Protocol product function bus communication protocol is supported	40 % 50 % 100 FIT 20 a IP20 finger-safe  No No No No No No		
with low demand rate according to SN 31920     with high demand rate according to SN 31920     failure rate [FIT] with low demand rate according to SN 31920     T1 value for proof test interval or service life according to IEC 61508     protection class IP on the front according to IEC 60529     touch protection on the front according to IEC 60529     Communication/ Protocol     product function bus communication     protocol is supported	40 % 50 % 100 FIT 20 a IP20 finger-safe  No No No No		

61000-4-5				
<ul> <li>due to high-frequency radiation according to IEC 61000- 4-6</li> </ul>	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			
Certificates/ approvals				
General Product Approval		EMC	Functional Safety/Safety of Ma- chinery	



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=3RA6250-1CB32

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RA6250-1CB32

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

https://support.industry.siemens.com/cs/ww/en/ps/3RA6250-1CB32

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

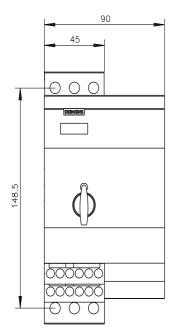
 $\underline{\text{http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RA6250-1CB32\&lang=en}}$ 

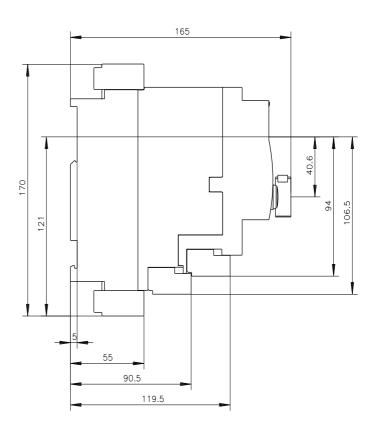
Characteristic: Tripping characteristics,  $I^2t$ , Let-through current

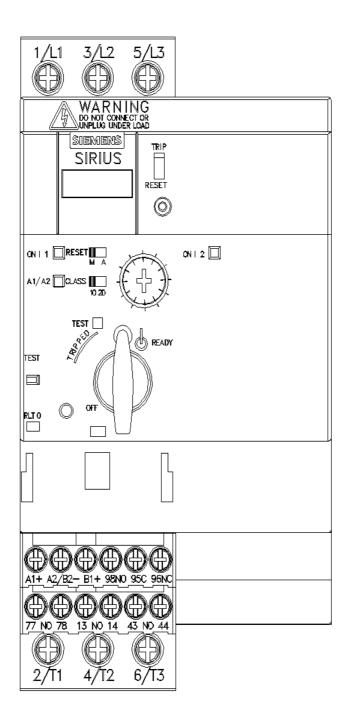
https://support.industry.siemens.com/cs/ww/en/ps/3RA6250-1CB32/char

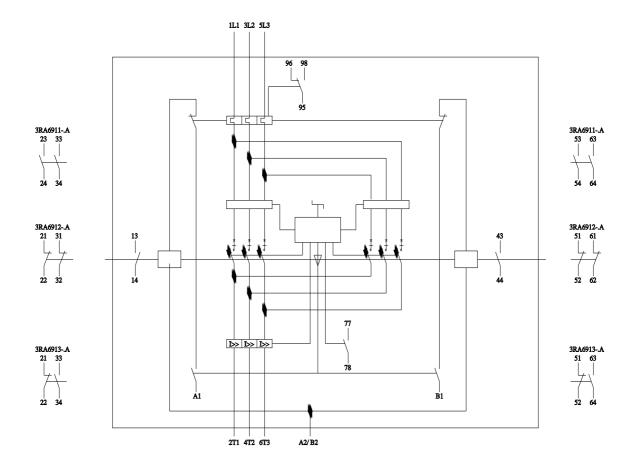
Further characteristics (e.g. electrical endurance, switching frequency)

http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RA6250-1CB32&objecttype=14&gridview=view1









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