## **SIEMENS**

Data sheet 3RA6250-2DB34



SIRIUS Compact load feeder Reversing starter 690 V 24 V AC/DC 50...60 Hz 3...12 A IP20 Connection main circuit: Spring-type terminal Connection control circuit: plug-in, without terminals

product yes designation  design of the product product product yes designation  Ganzal technical data product function control circuit interface to parallel wiring product petersinos nauxiliary switch  product extension auxiliary switch  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  auxiliary sortinates auxiliary circuit between main and auxiliary circuit between auxiliary and auxiliary circuit between auxiliary and auxiliary circuit between control and auxiliary circuit cheeves resistance  with a for protection NEMA rating shock resistance  with a for protection in the formation of the signature of	product brand name	SIRIUS
product type designation  General technical data  product nuclear technical data  product centrol control circuit interface to parallel wiring  product extension auxiliary switch  at AC in hot operating state  at AC in hot operating state per pole  without load current share typical  tegree of pollution  surge voltage resistance rated value  degree of pollution  surge voltage resistance rated value  between main and auxiliary circuit  between control and auxiliary circuit  between control and auxiliary circuit  between control and auxiliary circuit  shock resistance  wibration resistance  mechanical service life (operating cycles)  of the main contacts typical  of the main contacts typical  of the main contacts typical  of the signaling contact typical	product designation	compact starter
General tochnical data product function control circuit interface to parallel wiring product extension auxiliary switch Pyes product extension auxiliary switch  **A Ci in hot operating state **at AC in hot operating state **at AC in hot operating state per pole **without load current share typical **without load current share typical **ewithout load current share typical **ewithout load current share typical **gurge voltage rated value **degree of pollution **assure voltage rated value **degree of pollution **surge voltage rosistance rated value **maximum permissible voltage for protective separation **ebetween 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 ontrol and auxiliary circuit **between ontrol share auxiliary circuit **between ontrol and auxiliary circuit **about type of auxiliary contacts typical **of the main contacts typical **of the signaling contacts typical **of the signaling contacts typical **of the signaling contacts typical **of auxiliary contacts typical **of the signaling contacts typical **of auxiliary contacts typical **of the signaling contacts typical *	design of the product	reversing starter
product function control circuit interface to parallel wiring product extension auxiliary switch Pes 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 sharet typical • without load current sharet typical • without load current sharet typical • gog v degree of pollution • between rasin and auxiliary circuit • between main and auxiliary circuit • between auxiliary and auxiliary circuit • between control and auxiliary circuit • between surviliary and auxiliary circuit • between control and auxiliary circuit • alto a state of the control of auxiliary and auxiliary circuit • alto a state of auxiliary contacts typical • of the main contacts typical • of auxiliary contacts typical • of the signaling contacts typical • of auxiliary contacts typical • of auxiliary contacts typical • at AC-15 at 6 A at 230 typical • at AC-15 at 6 A at 230 typical  • at AC-15 at 6 A at 230 typical  • at AC-15 at 6 A at 230 typical  continous operation according to IEC 60947-6-2  Quistance Prohibitance (Date)  Ambient conditions  installation altitude at height above sea level maximum  ambient temperature • during peration • during storage • during transport • 10 90 %  Main circuit	product type designation	3RA62
product extension auxiliary switch  power loss [W] for rated value of the current  • at AC in hot operating state   1.8 W   0.6 W   • without load current share typical   2.9 W    Insulation voltage rated value   699 V   degree of pollution   3   surge voltage resistance rated value   600 V   maximum permissible voltage for protective separation   • between main and auxiliary circuit   250 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 main 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   200 000   • of the signaling contacts typical   200 000   • at AC-15 at 6 A at 4 ty typical   200 000   • at AC-15 at 6 A at 230 V typical   200 000   Type of assignment   200 000   • at AC-15 at 6 A at 4 typical   200 000   • at AC-15 at 6 A at 4 typical   200 000    **Tefference code according to IEC 81346-2   200 000    Substance Prohibitance (Date)   05/01/2012    Ambient conditions   05/01/2012    Ambient gorganical   05/01/2012    Ambient	General technical data	
power loss [W] for rated value of the current  at AC in hot operating state	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 without load current share typical egge of pollution 3 surge voltage resistance 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 between auxiliary and auxiliary circuit between control and auxiliary circuit between control and auxiliary circuit between auxiliary and auxiliary circuit between control and auxiliary circuit between control and auxiliary circuit between special control and auxiliary circuit between resistance a=60 m/s2 (6g) with 10 ms per 3 shocks in all axes wibration 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 main contacts typical of the signaling contacts typical of the signaling contacts typical of the signaling contacts typical at AC-13 at 6 A at 22 V typical at AC-15 at 6 A at 23 V typical at AC-15 at 6 A at 23 V typical at AC-15 at 6 A at 23 V typical continous operation according to IEC 60947-6-2 reference code according to IEC 81348-2 Qubstance Prohibitance (Date) Ambient conditions installation altitude at height above sea level maximum abient temperature during operation during storage during transport cfelluke humidity during operation 10 90 % Main circuit	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 3 surge voltage resistance rated value 6 000 V  maximum permissible voltage for protective separation between main and auxiliary circuit 250 V between auxiliary and auxiliary circuit 250 V between control and auxiliary circuit 300 V  degree of protection NEMA rating shock resistance 3 = 60 m/s2 (6g) with 10 ms per 3 shocks in all axes vibration resistance 5 = 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 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 at AC-15 at 6 A at 23 V typical 200 000 type of assignment reference code according to IEC 81346-2 Q Substance Prohibitance (Date) Ambient conditions installation altitude at height above sea level maximum ambient temperature during operation during transport elective lumidity during operation 10 90 % Main circuit	power loss [W] for rated value of the current	
without load current share typical   2.9 W	<ul> <li>at AC in hot operating state</li> </ul>	1.8 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 nortol and auxiliary circuit • between control and auxiliary circuit  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 3 at 6 A at 24 V typical • at AC-15 at 6 A at 24 V typical • at AC-15 at 6 A at 230 V typical • of assignment  reference code according to IEC 81346-2 Substance Prohibitance (Date)  Ambient conditions installation altitude at height above sea level maximum  ambient temperature • during operation • during storage • during transport  relative humidity during operation  Main circuit  duv  dov  400 V  40	<ul> <li>at AC in hot operating state per pole</li> </ul>	0.6 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 250 V • between control and auxiliary circuit 300 V  degree of protection NEMA rating other shock resistance 1 = 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 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  value of assignment reference code according to IEC 81346-2 Q Substance Prohibitance (Date)  Ambient conditions installation altitude at height above sea level maximum  ambient temperature • during operation • during storage • during transport relative humidity during operation  10 90 %  Main circuit  Another conditions	without load current share typical	2.9 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  • 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 24 V typical  • at AC-15 at 6 A at 230 V typical  • at AC-15 at 6 A at 230 V typical  • outlook at 240 V t	insulation voltage rated value	690 V
maximum permissible voltage for protective separation  • between main and auxiliary circuit  • between control 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  • 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  • on the contact of a contact of the	degree of pollution	3
between main and auxiliary circuit between auxiliary and auxiliary circuit between control and auxiliary circuit  other between control and auxiliary circuit  other  shock resistance  reference code according to IEC 81346-2  Substance Prohibitance (Date)  Ambient conditions  installation altitude at height above sea level maximum  ambient temperature  other  degree of protection NEMA rating  other  other  and 0 V  250 V  300 V  degree of protection NEMA rating  other  other  ane 60 m/s2 (6g) with 10 ms per 3 shocks in all axes  other  ane 60 m/s2 (6g) with 10 ms per 3 shocks in all axes  other  ane 60 m/s2 (6g) with 10 ms per 3 shocks in all axes  other  ane 60 m/s2 (6g) with 10 ms per 3 shocks in all axes  other  ane 60 m/s2 (6g) with 10 ms per 3 shocks in all axes  other  ane 60 m/s2 (6g) with 10 ms per 3 shocks in all axes  other  ane 60 m/s2 (6g) with 10 ms per 3 shocks in all axes  other  ane 60 m/s2 (6g) with 10 ms per 3 shocks in all axes  other  ane 60 m/s2 (6g) with 10 ms per 3 shocks in all axes  other  ane 60 m/s2 (6g) with 10 ms per 3 shocks in all axes  other  ane 60 m/s2 (6g) with 10 ms per 3 shocks in all axes  other  ane 60 m/s2 (6g) with 10 ms per 3 shocks in all axes  other  ane 60 m/s2 (6g) with 10 ms per 3 shocks in all axes  ane 60 m/s2 (6g) with 10 ms per 3 shocks in all axes  ane 60 m/s2 (6g) with 10 ms per 3 shocks in all axes  ane 60 m/s2 (6g) with 10 ms per 3 shocks in all axes  ane 60 m/s2 (6g) with 10 ms per 3 shocks in all axes  ane 60 m/s2 (6g) with 10 ms per 3 shocks in all axes  ane 60 m/s2 (6g) with 10 ms per 3 shocks in all axes  ane 60 m/s2 (6g) with 10 ms per 3 shocks in all axes  ane 60 m/s2 (6g) with 10 ms per 3 shocks in all axes  ane 60 m/s2 (6g) with 10 ms per 3 shocks in all axes  ane 60 m/s2 (6g) with 10 ms per 3 shocks in all axes  ane 60 m/s2 (6g) with 10 ms per 3 shocks in all axes  ane 60 m/s2 (6g) with 10 ms per 3 shocks in all axes  ane 60 m/s2 (10 ms) ane 60 ms a	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     shock resistance     inectangle of the main contacts typical     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 24 V typical     at AC-13 at 6 A at 230 V typical     or assignment     reference code according to IEC 81346-2     Substance Prohibitance (Date)  Ambient conditions  installation altitude at height above sea level maximum     ambient temperature     oduring storage     oduring storage     oduring transport     relative humidity during operation  Main circuit   other     300 V  depree of protection NEMA rating     other     300 With 10 ms per 3 shocks in all axes      vibration msers 3 shocks in all axes      shock resistance     a=60 m/s2 (6g) with 10 ms per 3 shocks in all axes      shocks in all axes      shocks in all axes      10 000 000      10 000 000      10 000 00	maximum permissible voltage for protective separation	
between control and auxilliary circuit  degree of protection NEMA rating 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 auxilliary 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 at AC-15 at 6 A at 230 V typical continous operation according to IEC 81346-2  Substance Prohibitance (Date)  Ambient conditions installation altitude at height above sea level maximum ambient temperature during operation during storage during transport celetive humidity during operation 10 90 %  Main circuit	<ul> <li>between main and auxiliary circuit</li> </ul>	400 V
degree of protection NEMA rating shock resistance 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 auxiliary contacts typical of the signaling contacts typical of the signaling contacts typical letertical 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 otation at AC-15 at 6 A at 230 V typical continous operation according to IEC 60947-6-2  gubstance Prohibitance (Date) Ambient conditions installation altitude at height above sea level maximum ambient temperature of during operation of during storage of during transport relative humidity during operation  10 90 %  Main circuit	<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 typica	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 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)  Ambient conditions  installation altitude at height above sea level maximum  ambient temperature  • during operation  • during storage  • during storage  • during transport  relative humidity during operation  Main circuit	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     on the signaling contacts     on the signaling contacts typical     on the signaling contacts     on the signaline s	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     of the signaling contacts typical      electrical 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     o 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  Quantification altitude at height above sea level maximum     objoint temperature     oduring operation     oduring storage     oduring transport     relative humidity during operation     10 90 %  Main circuit	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  type of assignment  reference code according to IEC 81346-2  Substance Prohibitance (Date)  Ambient conditions  installation altitude at height above sea level maximum  ambient temperature         • during operation             • during storage             • during transport  relative humidity during operation  Main circuit  10 000 000  20 000  20	<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)  O5/01/2012  Ambient conditions  installation altitude at height above sea level maximum  ambient temperature  • during operation  • during storage  • during storage  • during transport  relative humidity during operation  10 90 %  Main circuit	<ul> <li>of auxiliary contacts typical</li> </ul>	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) O5/01/2012  Ambient conditions installation altitude at height above sea level maximum ambient temperature during operation during storage during transport elative humidity during operation 10 90 %  Main circuit	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)  Ambient conditions  installation altitude at height above sea level maximum  ambient temperature  during operation  during storage  during transport  eduring transport  relative humidity during operation  10 90 %  Main circuit	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)  Ambient conditions  installation altitude at height above sea level maximum  ambient temperature  • during operation • during storage • during transport  relative humidity during operation  Main circuit  continous operation according to IEC 60947-6-2  Q  Q  D5/01/2012  Ambient conditions  2 000 m  -20 +60 °C  -20 +60 °C  -55 +80 °C  -55 +80 °C  relative humidity during operation  10 90 %	• at DC-13 at 6 A at 24 V typical	30 000
reference code according to IEC 81346-2  Substance Prohibitance (Date)  Ambient conditions  installation altitude at height above sea level maximum  ambient temperature  • during operation • during storage • during transport  relative humidity during operation  Main circuit  Q  05/01/2012  Q  05/01/2012  Ambient conditions  2 000 m  -20 +60 °C  -20 +60 °C  -55 +80 °C  -55 +80 °C  relative humidity during operation	at AC-15 at 6 A at 230 V typical	200 000
Substance Prohibitance (Date)  Ambient conditions  installation altitude at height above sea level maximum  ambient temperature  • during operation • during storage • during transport  relative humidity during operation  Main circuit  05/01/2012  2 000 m  2 000 m  -20 +60 °C  -20 +60 °C  -55 +80 °C  -55 +80 °C  relative humidity during operation  10 90 %	type of assignment	continous operation according to IEC 60947-6-2
Ambient conditions installation altitude at height above sea level maximum  ambient temperature  • during operation • during storage • during transport  -55 +80 °C  relative humidity during operation  Main circuit	reference code according to IEC 81346-2	Q
installation altitude at height above sea level maximum  ambient temperature  • during operation • during storage • during transport • during transport  relative humidity during operation  2 000 m  -20 +60 °C  -55 +80 °C  10 90 %  Main circuit	Substance Prohibitance (Date)	05/01/2012
ambient temperature  • during operation • during storage • during transport • during transport • 20 +60 °C • during transport • -55 +80 °C relative humidity during operation  10 90 %  Main circuit	Ambient conditions	
<ul> <li>during operation</li> <li>during storage</li> <li>during transport</li> <li>the during transport</li> <li>the during</li></ul>	installation altitude at height above sea level maximum	2 000 m
<ul> <li>during storage</li> <li>during transport</li> <li>relative humidity during operation</li> <li>10 90 %</li> </ul> Main circuit	ambient temperature	
● during transport -55 +80 °C relative humidity during operation 10 90 %  Main circuit	<ul> <li>during operation</li> </ul>	-20 +60 °C
relative humidity during operation 10 90 %  Main circuit	during storage	-55 +80 °C
Main circuit	during transport	-55 +80 °C
	relative humidity during operation	10 90 %
number of poles for main current circuit 3	Main circuit	
	number of poles for main current circuit	3

adjustable current response value current of the current- dependent overload release	3 12 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	10 X IC
at 400 V rated value	5.5 kW
at 500 V rated value	5.5 kW
at 690 V rated value	7.5 kW
operating voltage at AC-3 rated value maximum	690 V
operational current	
at AC at 400 V rated value	12 A
at AC-3 at 400 V rated value	12 A
• at AC-43	
— at 400 V rated value	11.5 A
— at 500 V rated value	12.4 A
— at 690 V rated value	8.9 A
operating power	0.071
at AC-3 at 400 V rated value	5.5 kW
• at AC-43	
— at 400 V rated value	5 500 W
— at 500 V rated value	5 500 W
— at 690 V rated value	7 500 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-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
type of voltage	AC/DC
control supply voltage 1 at AC	AOIDC
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	27 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	21217
at AC maximum	2.8 W
at DC maximum	2.9 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	1
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	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	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	1 10 A
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
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 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  operating short-circuit current breaking capacity (Ics)	1 10 A 0.27 A CLASS 10 and 20 adjustable
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
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
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  • at 690 V rated value	1 10 A 0.27 A  CLASS 10 and 20 adjustable 53 kA 3 kA
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  • at 690 V rated value  UL/CSA ratings	1 10 A 0.27 A  CLASS 10 and 20 adjustable 53 kA 3 kA
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  • at 690 V rated value  UL/CSA ratings  full-load current (FLA) for 3-phase AC motor	1 10 A 0.27 A  CLASS 10 and 20 adjustable  53 kA 3 kA 3 kA

yielded mechanical performance [hp] for 3-phase AC motor	
<ul><li>at 200/208 V rated value</li></ul>	3 hp
• at 220/230 V rated value	3 hp
• at 460/480 V rated value	7.5 hp
at 575/600 V rated value	10 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	
<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 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 control circuit	Yes
type of electrical connection	
for main current circuit	spring-loaded terminals
<ul> <li>for auxiliary and control circuit</li> </ul>	plug-in without terminals
type of connectable conductor cross-sections for main contacts	
• solid	2x (1.5 6 mm²), 1x 10 mm²
<ul> <li>finely stranded with core end processing</li> </ul>	2x (1.5 6 mm²)
finely stranded without core end processing	2x (1.5 6 mm²)
type of connectable conductor cross-sections	
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	£/ (£7 10)
	3 000 000
B10 value with high demand rate according to SN 31920	3 000 000
proportion of dangerous failures	40.0/
<ul> <li>with low demand rate according to SN 31920</li> </ul>	40 %
with high demand acts according 2 ON 04000	50.0/
with high demand rate according to SN 31920      This work (FLT) with law demand rate according to SN 31920	50 %
failure rate [FIT] with low demand rate according to SN 31920	100 FIT
failure rate [FIT] with low demand rate according to SN 31920 T1 value for proof test interval or service life according to IEC 61508	100 FIT 20 a
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	100 FIT 20 a IP20
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	100 FIT 20 a
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	100 FIT 20 a IP20 finger-safe
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	100 FIT 20 a IP20
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	100 FIT 20 a  IP20 finger-safe  No
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	100 FIT 20 a  IP20 finger-safe  No
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	100 FIT 20 a  IP20 finger-safe  No
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  • IO-Link protocol  product function control circuit interface with IO link	100 FIT 20 a  IP20 finger-safe  No
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  • IO-Link protocol	100 FIT 20 a  IP20 finger-safe  No No
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  • IO-Link protocol  product function control circuit interface with IO link	100 FIT 20 a  IP20 finger-safe  No No
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  • IO-Link protocol  product function control circuit interface with IO link  Electromagnetic compatibility	100 FIT 20 a  IP20 finger-safe  No No
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  • IO-Link protocol  product function control circuit interface with IO link  Electromagnetic compatibility  conducted interference	100 FIT 20 a  IP20 finger-safe  No No No No
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  • IO-Link protocol  product function control circuit interface with IO link  Electromagnetic compatibility  conducted interference  • due to burst according to IEC 61000-4-4	100 FIT 20 a  IP20 finger-safe  No  No No No No No No

• 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
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=3RA6250-2DB34

Cax online generator

 $\underline{\text{http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en\&mlfb=3RA6250-2DB34}$ 

 ${\bf Service \& Support~(Manuals,~Certificates,~Characteristics,~FAQs,...)}$ 

https://support.industry.siemens.com/cs/ww/en/ps/3RA6250-2DB34

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

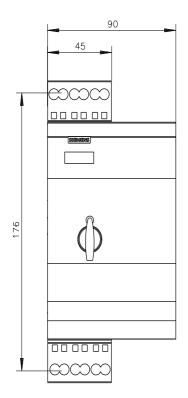
http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RA6250-2DB34&lang=en

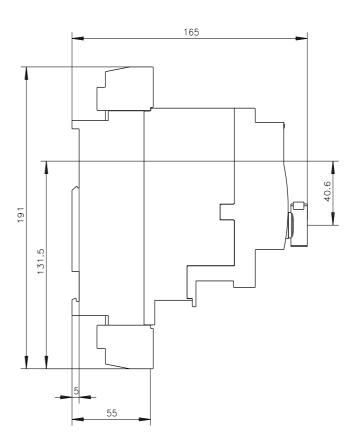
Characteristic: Tripping characteristics, I2t, Let-through current

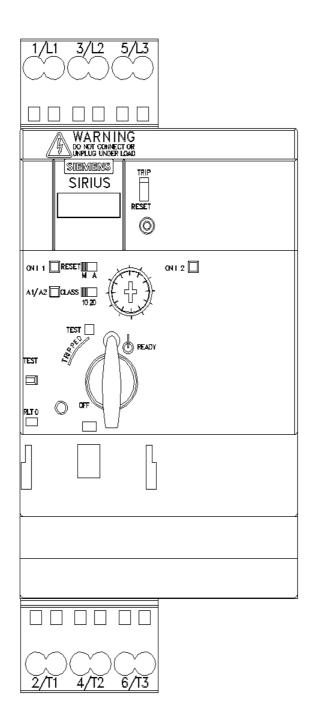
https://support.industry.siemens.com/cs/ww/en/ps/3RA6250-2DB34/char

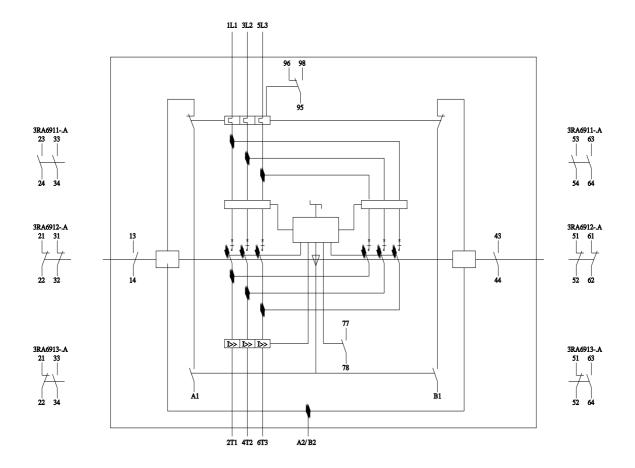
Further characteristics (e.g. electrical endurance, switching frequency)

http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RA6250-2DB34&objecttype=14&gridview=view1









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