SIEMENS

Data sheet 3RA6250-1DP32



SIRIUS Compact load feeder Reversing starter 690 V 110...240 V AC/DC 50...60 Hz 3...12 A IP20 Connection main circuit: Screw terminal Connection control circuit: screw terminal

product type designation General technical data product type designation General technical data product type designation (Yes product extension auxiliary switch (Yes power loss [W] for rated value of the current • at AC in hot operating state (Yes • at AC in hot operating state (Yes • without load current share typical (Yes insulation voltage rated value (Yes • without load current share typical (Yes • between approximate (Yes • between auxiliary circuit (Yes • between auxiliary and auxiliary circuit (Yes • between control and auxilia	product brand name	SIRIUS
product type designation General technical data product function control circuit interface to parallel wiring product stension auxiliary switch e at AC in hot operating state e at AC in hot operating state per pole e without load current share typical e without load current share typical function voltage rated value fegree of pollution surge voltage resistance rated value e between auxiliary and auxiliary circuit e between auxiliary and auxiliary circuit e between control and auxiliary circuit e between control and auxiliary circuit e between order of the main and experiment of the main contacts typical e) of the signaling contacts typical e) of the control and every contacts e) at DC-13 at 6 At 24 V typical e) of the signaling contacts typical e) of the control operating cycles) of auxiliary contacts e) at DC-13 at 6 A at 4 V typical e) at AC-15 at 6 A at 230 V typical e) of auxiliary contacts typical e) of auxiliary contact	product designation	compact starter
Ceneral technical data product function control circuit interface to parallel wiring product extension auxiliary switch yes promover loss IWJ 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 • without load current share typical degree of pollution 3 surge voltage resistance rated value • between sina and auxiliary circuit • between auxiliary and auxiliary circuit • between auxiliary and auxiliary circuit • between control and auxiliary circuit • between control and auxiliary circuit • between sortical and auxiliary circuit • between sistance 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 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 vipe of assignment reference code according to IEC 81346-2 Q Substance Prohibitance (Date) SVHC substance name Lead - 7439-92-1 Lead monoxide (lead oxide) - 1317-36-8 Lead itlanium zirconium oxide - 12626-81-2 Lead monoxide (lead oxide) - 1317-36-8 Lead itlanium zirconium oxide - 12626-81-2 Lead monoxide (lead oxide) - 1317-36-8 Lead itlanium zirconium oxide - 12626-81-2 Lead monoxide (lead oxide) - 1317-36-8 Lead itlanium zirconium oxide - 12626-81-2 weight Ambient conditions installation allitude at helght above sea level maximum 2 000 m	design of the product	reversing starter
product function control circuit interface to parallel wiring product extension auxiliary switch power loss [W] for rated value of the current * at AC in hot operating state 1.8 W * at AC in hot operating state per pole 0.6 W * without load current share typical 6 W degree of pollution 3 surge 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 400 V * between auxiliary 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 vibration resistance f= 4 5.8 Hz, d= 15 mm; f= 5.8 500 Hz, a= 20 m/s²; 10 cycles mechanical service life (operating cycles) * of the main contacts typical 10 000 000 * of auxiliary 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 and the contact of the conta	product type designation	3RA62
product extension auxiliary switch 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 fow degree of pollution 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 or ontrol network arting between o	General technical data	
power loss [W] for rated value of the current at AC in hot operating state at AC in hot operating state pole bithout load current share typical 6 W insulation voltage rated value 690 V degree of pollution 3 surge voltage resistance rated value maximum permissible voltage for protective separation between main and auxiliary circuit between auxiliary and auxiliary circuit between auxiliary and auxiliary circuit between ontroil and auxiliary circuit between controil and suxiliary circuit control auxiliary contacts typical cof the main contacts typical cof auxiliary contacts typical cof auxiliary contacts typical cof the signaling contacts typical cof the signaling contacts typical cof the signaling contacts typical continuous operation according to IEC 60947-6-2 Continuo	product function control circuit interface to parallel wiring	Yes
at AC in hot operating state per pole at AC in hot operating state per pole without load current share typical degree of pollution surge 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 control and auxiliary circuit between ontrol and auxiliary circuit between ontrol and auxiliary circuit between ontrol and auxiliary circuit between control and auxiliary circuit between control and auxiliary circuit between ontrol and auxiliary circuit between states of the sistance a=60 m/s2 (6g) with 10 ms per 3 shocks in all axes vibration resistance f= 45.8 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 at C-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 other continous operation according to IEC 60947-6-2 reference code according to IEC 81346-2 Q Substance Prohibitance (Date) 5VHC substance name Lead monoxide (lead oxide) - 1317-36-8 Lead monoxide (lead oxide) - 1317-36-8 Lead monoxide (lead oxide) - 12626-81-2 Weight Ambient conditions installation altitude at height above sea level maximum 2 000 m	product extension auxiliary switch	Yes
at AC in hot operating state per pole without load current share typical insulation voltage rated value degree of pollution surge voltage resistance rated value between main and auxiliary circuit between main and auxiliary circuit between control and auxiliary circuit between control and auxiliary circuit between on trol and auxiliary circuit between control and auxiliary circuit between canxiliary circ	power loss [W] for rated value of the current	
without load current share typical 6 W insulation voltage rated value 690 V degree of pollution 3 surge voltage resistance rated value 6000 V maximum permissible voltage for protective separation between main and auxiliary circuit 400 V between auxiliary and auxiliary circuit 250 V between control and auxiliary circuit 300 V degree of protection NEMA rating 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 10 000 000 of auxiliary contacts typical 10 000 000 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 Q Substance Prohibitance (Date) 05/01/2012 SVHC substance name Lead - 7439-92-1 Lead - 743	 at AC in hot operating state 	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 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 vibration resistance • 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 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 of 6 A at 230 V typical • at AC-15 of 6 A at 230 V typical • of auxiliary contacts typical • at AC-15 at 6 A at 230 V typical	 at AC in hot operating state per pole 	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 • 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 auxiliary contacts typical • of the signaling contacts typical • of the signaling contacts typical • of the signaling contacts typical • at DC-13 at 6 A at 24 V typical • at DC-13 at 6 A at 230 V typical • at AC-15 at 6 A at 230 V typical • at AC-15 at 6 A at 230 V typical • of axignment continous operation according to IEC 60947-6-2 reference code according to IEC 81346-2 Q Substance Prohibitance (Date) SVHC substance name Lead - 7439-92-1 Lead monoxide (lead oxide) - 1317-36-8 Lead titanium zirconium oxide - 12626-81-2 Weight Ambient conditions installation altitude at height above sea level maximum 2 000 m	without load current share typical	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 • 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 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 • of the signaling to lEC 81346-2 Substance Prohibitance (Date) SVHC substance name Lead - 7439-92-1 Lead monoxide (lead oxide) - 1317-36-8 Lead titanium zirconium oxide - 12626-81-2 Weight Ambient conditions installation altitude at height above sea level maximum 2 000 m	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 • other shock resistance • a=60 m/s2 (6g) with 10 ms per 3 shocks in all axes vibration resistance • vibration resistance • 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 • at DC-13 at 6 A at 24 V typical • at DC-13 at 6 A at 230 V typical • at DC-15 at 6 A at 230 V typical • other continous operation according to IEC 60947-6-2 reference code according to IEC 81346-2 Q Substance Prohibitance (Date) SVHC substance name Lead - 7439-92-1 Lead monoxide (lead oxide) - 1317-36-8 Lead ittainum zirconium oxide - 12626-81-2 Weight Ambient conditions installation altitude at height above sea level maximum 2 000 m	degree of pollution	3
between main and auxiliary circuit between auxiliary and auxiliary circuit between control and auxiliary circuit between control and auxiliary circuit shock resistance degree of protection NEMA rating other shock resistance	surge voltage resistance rated value	6 000 V
between auxiliary and auxiliary circuit between control and auxiliary circuit shock resistance shock resistance ibration resistance ivibration resist	maximum permissible voltage for protective separation	
between control and auxiliary circuit degree of protection NEMA rating shock resistance vibration 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 auxiliary contacts typical of the signaling contacts typical of the signaling contacts typical electrical endurance (operating cycles) of auxiliary contacts	 between main and auxiliary circuit 	400 V
degree of protection NEMA rating shock resistance a=60 m/s2 (6g) with 10 ms per 3 shocks in all axes vibration resistance f= 4 5.8 Hz, d= 15 mm; f= 5.8 500 Hz, a= 20 m/s²; 10 cycles mechanical service life (operating cycles) of the main contacts typical of the signaling	 between auxiliary and auxiliary circuit 	250 V
shock resistance vibration resistance f= 4 5.8 Hz, d= 15 mm; f= 5.8 500 Hz, a= 20 m/s²; 10 cycles mechanical service life (operating cycles) of the main contacts typical of the signaling contacts typical of the main contacts ty	between control and auxiliary circuit	300 V
vibration 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 AC-15 at 6 A at 230 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 Can be a conditions Can be a conditions	degree of protection NEMA rating	other
mechanical service life (operating cycles) of the main contacts typical of auxiliary contacts typical of the signaling contacts of the	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 of the signaling contacts typical of the signaling contacts typical of the signaling contacts of the signaling contacts typical of the signaling contacts of the signaling contacts typical of the signaling contacts of the signa	vibration resistance	f= 4 5.8 Hz, d= 15 mm; f= 5.8 500 Hz, a= 20 m/s ² ; 10 cycles
of auxiliary contacts typical of the signaling contacts typical one of the signaling contacts one of the signaling contacts typical one of the signaling contacts one of the signaling contacts typical one of the signaling contacts typical one of the signaling contacts typical one of the signaling contacts typical one of the signaling contacts typical one of the signaling contacts typical one of the signaling contacts typical one of the signaling contacts typical one of the signaling contacts typical one of the signaling contacts typical one of the signaling contacts typical one of the signaling contacts typical one of the signaling contacts typical one of the signaling contacts typical one of the signaling contacts typical one of the signaling contacts typical one of the signaling contacts typical one of the signaling contacts typical one of the signaling contacts one of the signaling conta	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 reference code according to IEC 81346-2 Q Substance Prohibitance (Date) SVHC substance name	 of the main contacts typical 	10 000 000
electrical endurance (operating cycles) of auxiliary contacts • at DC-13 at 6 A at 24 V typical • at AC-15 at 6 A at 230 V typical type of assignment continous operation according to IEC 60947-6-2 reference code according to IEC 81346-2 Q Substance Prohibitance (Date) SVHC substance name Lead - 7439-92-1 Lead monoxide (lead oxide) - 1317-36-8 Lead titanium zirconium oxide - 12626-81-2 Weight 2.569 kg Ambient conditions installation altitude at height above sea level maximum 2 000 m	 of auxiliary contacts typical 	10 000 000
 at DC-13 at 6 A at 24 V typical at AC-15 at 6 A at 230 V typical 200 000 type of assignment continous operation according to IEC 60947-6-2 reference code according to IEC 81346-2 Q Substance Prohibitance (Date) SVHC substance name Lead - 7439-92-1 Lead monoxide (lead oxide) - 1317-36-8 Lead titanium zirconium oxide - 12626-81-2 Weight 2.569 kg Ambient conditions installation altitude at height above sea level maximum 2 000 m 	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 Lead - 7439-92-1 Lead monoxide (lead oxide) - 1317-36-8 Lead titanium zirconium oxide - 12626-81-2 Weight 2.569 kg Ambient conditions installation altitude at height above sea level maximum 2 000 m	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) 5VHC substance name Lead - 7439-92-1 Lead monoxide (lead oxide) - 1317-36-8 Lead titanium zirconium oxide - 12626-81-2 Weight 2.569 kg Ambient conditions installation altitude at height above sea level maximum 2 000 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 Lead - 7439-92-1 Lead monoxide (lead oxide) - 1317-36-8 Lead titanium zirconium oxide - 12626-81-2 Weight 2.569 kg Ambient conditions installation altitude at height above sea level maximum 2 000 m	• at AC-15 at 6 A at 230 V typical	200 000
Substance Prohibitance (Date) SVHC substance name Lead - 7439-92-1 Lead monoxide (lead oxide) - 1317-36-8 Lead titanium zirconium oxide - 12626-81-2 Weight 2.569 kg Ambient conditions installation altitude at height above sea level maximum 2 000 m	type of assignment	continous operation according to IEC 60947-6-2
SVHC substance name Lead - 7439-92-1 Lead monoxide (lead oxide) - 1317-36-8 Lead titanium zirconium oxide - 12626-81-2 Weight 2.569 kg Ambient conditions installation altitude at height above sea level maximum 2 000 m	reference code according to IEC 81346-2	Q
Lead monoxide (lead oxide) - 1317-36-8 Lead titanium zirconium oxide - 12626-81-2 Weight 2.569 kg Ambient conditions installation altitude at height above sea level maximum 2 000 m	Substance Prohibitance (Date)	05/01/2012
Ambient conditions installation altitude at height above sea level maximum 2 000 m	SVHC substance name	Lead monoxide (lead oxide) - 1317-36-8
installation altitude at height above sea level maximum 2 000 m	Weight	2.569 kg
·	Ambient conditions	
ambient temperature	installation altitude at height above sea level maximum	2 000 m
	ambient temperature	
• during operation -20 +60 °C	during operation	-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 %
Main circuit	
	3
number of poles for main current circuit adjustable current response value current of the current-	3 12 A
dependent overload release	V 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	
• 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	
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	0 000 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	250 1/11
	AC/DC
type of voltage	ACIDO
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	50.11-
• 1 rated value	50 Hz
• 2 rated value	60 Hz
control supply voltage 1 at DC rated value	240 V
control supply voltage 1 at DC	110 240 V
holding power	O.W.
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	1
•	
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	
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
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 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
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 rated value	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 rated value • 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
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 rated value • 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
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 rated value • 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

at COO V retail value	40.4
• at 600 V rated value	12 A
yielded mechanical performance [hp] for 3-phase AC motor	
• at 200/208 V rated value	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	
 for short-circuit protection of the auxiliary switch required 	fuse gL/gG: 10 A
• for short-circuit protection of the signaling switch of the	6A gL/gG/400V
short-circuit release required	
 for short-circuit protection of the signaling switch of the overload release required 	4A gL/gG/400V
Installation/ mounting/ dimensions	
mounting position	any
mounting position recommended	any vertical, on horizontal standard DIN rail
fastening method	screw and snap-on mounting 170 mm
height	
width	90 mm
depth Connections/ Terminals	165 mm
Connections/ Terminals	Voo
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	
• 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	
for auxiliary contacts	
— solid	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	
proportion of dangerous failures	
with low demand rate according to SN 31920	40 %
with high demand rate according to SN 31920	50 %
B10 value with high demand rate according to SN 31920	3 000 000
failure rate [FIT] with low demand rate according to SN	100 FIT
31920	
IEC 61508	20.2
T1 value for proof test interval or service life according to IEC 61508	20 a
Electrical Safety	
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
IO-Link protocol	No
product function control circuit interface with IO link	No
Electromagnetic compatibility	
conducted interference	
 due to burst according to IEC 61000-4-4 	4 kV main contacts, 2 kV auxiliary contacts
 due to conductor-earth surge according to IEC 61000-4-5 	4 kV main contacts, 2 kV auxiliary contacts
0 0	

 due to conductor-conductor surge according to IEC 61000-4-5 	2 kV main contacts, 1 kV auxiliary contacts
 due to high-frequency radiation according to IEC 61000- 4-6 	0.15-80Mhz at 10V
field-based interference according to IEC 61000-4-3	10 V/m
electrostatic discharge according to IEC 61000-4-2	8 kV
conducted HF interference emissions according to CISPR11	150 kHz 30 MHz Class A
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	
Conoral Broduct Approval	

General Product Approval



Confirmation









EMV

Functional Saftey

Test Certificates

Marine / Shipping

other

Dangerous goods





Type Test Certificates/Test Report



Confirmation

Transport Information

Environment

Environmental Confirmations

Further information

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=3RA6250-1DP32

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RA6250-1DP32

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

https://support.industry.siemens.com/cs/ww/en/ps/3RA6250-1DP32

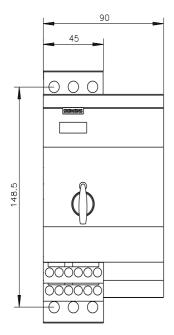
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

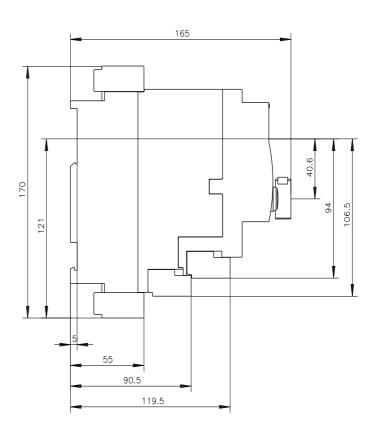
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RA6250-1DP32&lang=en

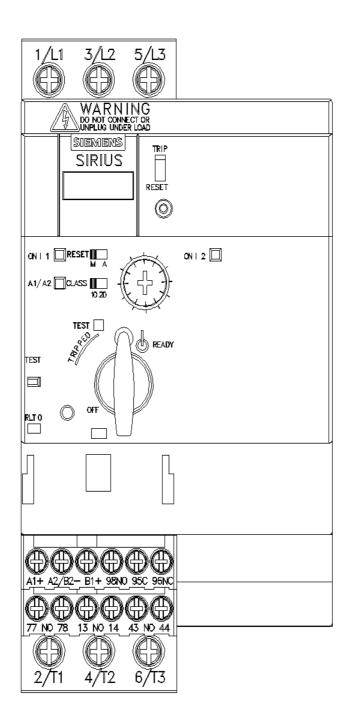
Characteristic: Tripping characteristics, I²t, Let-through current

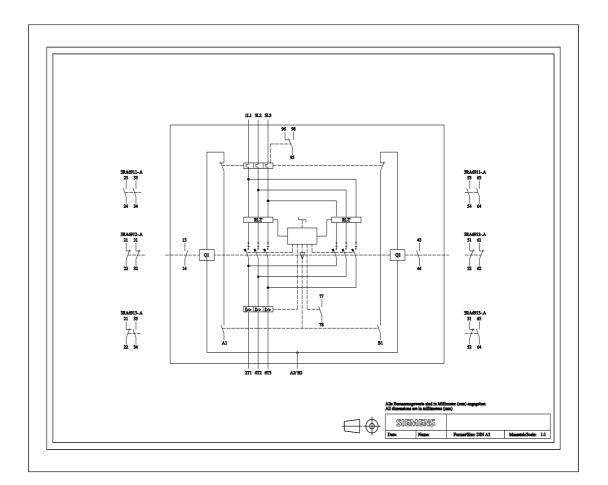
https://support.industry.siemens.com/cs/ww/en/ps/3RA6250-1DP32/char

Further characteristics (e.g. electrical endurance, switching frequency)
http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RA6250-1DP32&objecttype=14&gridview=view1









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