SIEMENS

Data sheet

3RA2445-8XF32-1AL2

Contactor assembly for star-delta (wye-delta) start AC-3, 75 kW/400 V 230 V AC, 50/60 Hz Size S3, screw terminal electrical and mechanical interlock 3 NO+3 NC



product type designation product type designation product type designation product type designation \$RA24 \$RA245-1AL20 \$RA2045-1AL20 \$RA2045-1AL2	product brand name	SIRIUS
product type designation manufacturer's article number • 1 of the supplied contactor • 2 of the supplied contactor • 3 of the supplied contactor • 3 of the supplied contactor • 3 of the supplied fontactor • 3 of the supplied function module for wye-delta circuits SaR2936-1AL20	·	Contactor assembly for star-delta (wye-delta) start
1 of the supplied contactor 2 of the supplied contactor 3 art 2045-1Al 20 3 art the supplied contactor 3 art 2045-1Al 20 4 of the supplied RS assembly kit 4 of the supplied RS assembly kit 5 arc 2045-1Al 20 5 art 2045-1Al 20 5		
2 of the supplied contactor 3 of the supplied contactor 4 of the supplied RS assembly kit 5 of the supplied RS assembly kit 5 of the supplied function module for wye-delta circuits 83R29343-2C 93R2943-2C 93R2	manufacturer's article number	
a of the supplied contactor of the supplied RS assembly kit of the supplied function module for wye-delta circuits SaRA2943-2C SaRA2943-2C SaRA2943-2C SaRA2943-2C Sara2816-0EW20 Ceneral technical data size of contactor product extension auxiliary switch No shock resistance at rectangular impulse ot AC shock resistance with sine pulse of contactor typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical to 000 000 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 Weight 5.516 kg Ambient conditions installation altitude at height above sea level maximum anablent temperature of during operation of contacts for main current circuit anumber of NO contacts for main current circuit number of NO contacts for main current circuit anumber of NO contacts for main contacts operating you totage of AC-3 rated value maximum operating you totage of AC-3 rated value maximum for NO contacts for main contacts operating you totage of AC-3 rated value maximum operating you tated value for NO contacts for main contacts operating you tated value for NO contacts for main contacts operating you tated value for NO contacts for main contacts operating you tated value for NO contacts for main contacts operating you tated value operating you tated value for NO contacts for main contacts opera	1 of the supplied contactor	3RT2045-1AL20
of the supplied RS assembly kit of the supplied function module for wye-delta circuits size of contactor product extension auxiliary switch shock resistance at rectangular impulse	2 of the supplied contactor	3RT2045-1AL20
of the supplied function module for wye-delta circuits Saravaria technical data	• 3 of the supplied contactor	3RT2036-1AL20
Sa Sa Sa Sa Sa Sa Sa Sa	 of the supplied RS assembly kit 	3RA2943-2C
size of contactor product extension auxiliary switch shock resistance at rectangular impulse • at AC shock resistance with sine pulse • at AC for ontactor typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contact	 of the supplied function module for wye-delta circuits 	3RA2816-0EW20
product extension auxiliary switch shock resistance at rectangular impulse • at AC 10.6 g / 5 ms, 4.0 g / 10 ms shock resistance with sine pulse • at AC 10.6 g / 5 ms, 6.3 g / 10 ms mechanical service life (operating cycles) • of contactor typical • of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical 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 Weight 5.516 kg Ambient conditions installation altitude at height above sea level maximum ambient temperature • during operation • during operation • during storage -55 +80 °C Main circuit number of NO contacts for main current circuit number of NO contacts for main contacts operating voltage • at AC-3 rated value maximum • at AC-3 — at 400 V rated value operating power	General technical data	
shock resistance at rectangular impulse at AC thock resistance with sine pulse at AC at AC thock resistance with sine pulse at AC at AC thock resistance with sine pulse at AC thock resistance	size of contactor	S3
■ at AC shock resistance with sine pulse ■ at AC	product extension auxiliary switch	No
shock resistance with sine pulse at AC at AC mechanical service life (operating cycles) of contactor typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor of the	shock resistance at rectangular impulse	
at AC mechanical service life (operating cycles) of contactor typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contact of the	• at AC	6.7 g / 5 ms, 4.0 g / 10 ms
mechanical service life (operating cycles) of contactor typical of the contactor with added auxiliary switch block typical reference code according to IEC 81346-2 Substance Prohibitance (Date) SVHC substance name Lead - 7439-92-1 Lead monoxide (lead oxide) - 1317-36-8 Weight Ambient conditions installation altitude at height above sea level maximum ambient temperature oluring operation during storage -25 +60 °C during storage -55 +80 °C Main circuit number of poles for main current circuit number of NC contacts for main contacts operating voltage ot AC-3 rated value maximum operation at AC-3 —at 400 V rated value operating power	shock resistance with sine pulse	
of contactor typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical reference code according to IEC 81346-2 Substance Prohibitance (Date) SVHC substance name Lead - 7439-92-1 Lead monoxide (lead oxide) - 1317-36-8 Weight S.5.16 kg Ambient conditions installation altitude at height above sea level maximum ambient temperature ouring operation during storage -25 +60 °C during storage Main circuit number of poles for main current circuit 3 number of NC contacts for main contacts 3 number of NC contacts for main contacts 0 operating voltage at AC-3 rated value maximum e at AC-3 —at 400 V rated value 150 A operating power	• at AC	10.6 g / 5 ms, 6.3 g / 10 ms
of the contactor with added auxiliary switch block typical 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 Weight 5.516 kg Ambient conditions installation altitude at height above sea level maximum ambient temperature oduring operation -25 +60 °C oduring storage -55 +80 °C Main circuit number of poles for main current circuit number of NC contacts for main contacts number of NC contacts for main contacts operating voltage at AC-3 rated value maximum of AC-3	mechanical service life (operating cycles)	
reference code according to IEC 81346-2 Q Substance Prohibitance (Date) 03/01/2017 SVHC substance name Lead - 7439-92-1 Lead monoxide (lead oxide) - 1317-36-8 Weight 5.516 kg Ambient conditions installation altitude at height above sea level maximum 2 000 m ambient temperature	of contactor typical	10 000 000
Substance Prohibitance (Date) SVHC substance name Lead - 7439-92-1 Lead monoxide (lead oxide) - 1317-36-8 Weight 5.516 kg Ambient conditions Installation altitude at height above sea level maximum ambient temperature • during operation • during storage -25 +60 °C 4 during storage -55 +80 °C Main circuit number of poles for main current circuit 1 3 number of NO contacts for main contacts 1 anumber of NC contacts for main contacts 1 operating voltage • at AC-3 rated value maximum • at AC-3 — at 400 V rated value operating power	of the contactor with added auxiliary switch block typical	10 000 000
SVHC substance name Lead - 7439-92-1 Lead monoxide (lead oxide) - 1317-36-8 Weight 5.516 kg Ambient conditions installation altitude at height above sea level maximum ambient temperature • during operation • during storage -25 +60 °C • during storage -55 +80 °C Main circuit number of poles for main current circuit 3 number of NO contacts for main contacts 3 number of NC contacts for main contacts 0 operating voltage • at AC-3 rated value maximum • at AC-3 — at 400 V rated value operating power	reference code according to IEC 81346-2	Q
Lead monoxide (lead oxide) - 1317-36-8 Weight 5.516 kg Ambient conditions installation altitude at height above sea level maximum 2 000 m ambient temperature • during operation -25 +60 °C • during storage -55 +80 °C Main circuit number of poles for main current circuit 3 number of NO contacts for main contacts 3 number of NC contacts for main contacts 0 operating voltage • at AC-3 rated value maximum 690 V operational current • at AC-3 — at 400 V rated value 150 A operating power	Substance Prohibitance (Date)	03/01/2017
Ambient conditions installation altitude at height above sea level maximum 2 000 m ambient temperature • during operation -25 +60 °C • during storage -55 +80 °C Main circuit number of poles for main current circuit 3 number of NO contacts for main contacts 3 number of NC contacts for main contacts 0 operating voltage • at AC-3 rated value maximum 690 V operational current • at AC-3 —at 400 V rated value 150 A operating power	SVHC substance name	
installation altitude at height above sea level maximum ambient temperature during operation during storage -25 +60 °C during storage -55 +80 °C Main circuit number of poles for main current circuit number of NO contacts for main contacts number of NC contacts for main contacts operating voltage at AC-3 rated value maximum 690 V operational current at AC-3 — at 400 V rated value operating power	Weight	5.516 kg
ambient temperature • during operation • during storage • during storage -25 +60 °C Main circuit number of poles for main current circuit number of NO contacts for main contacts number of NC contacts for main contacts operating voltage • at AC-3 rated value maximum • at AC-3 — at 400 V rated value operating power	Ambient conditions	
 during operation during storage -25 +80 °C Main circuit number of poles for main current circuit number of NO contacts for main contacts number of NC contacts for main contacts operating voltage at AC-3 rated value maximum operational current at AC-3 at 400 V rated value operating power 	installation altitude at height above sea level maximum	2 000 m
	ambient temperature	
Main circuit number of poles for main current circuit number of NO contacts for main contacts number of NC contacts for main contacts operating voltage • at AC-3 rated value maximum • at AC-3 — at 400 V rated value 150 A operating power	 during operation 	-25 +60 °C
number of poles for main current circuit number of NO contacts for main contacts number of NC contacts for main contacts operating voltage • at AC-3 rated value maximum • at AC-3 — at 400 V rated value 150 A operating power	during storage	-55 +80 °C
number of NO contacts for main contacts number of NC contacts for main contacts operating voltage • at AC-3 rated value maximum • at AC-3 — at 400 V rated value 150 A operating power	Main circuit	
number of NC contacts for main contacts operating voltage • at AC-3 rated value maximum operational current • at AC-3 — at 400 V rated value operating power	number of poles for main current circuit	3
operating voltage • at AC-3 rated value maximum 690 V operational current • at AC-3 — at 400 V rated value 150 A operating power	number of NO contacts for main contacts	3
at AC-3 rated value maximum operational current at AC-3 — at 400 V rated value operating power 690 V 150 A	number of NC contacts for main contacts	0
operational current	operating voltage	
• at AC-3 — at 400 V rated value operating power 150 A	at AC-3 rated value maximum	690 V
— at 400 V rated value 150 A operating power	operational current	
operating power	• at AC-3	
	— at 400 V rated value	150 A
• at AC-3	operating power	
	• at AC-3	

at 400 V rated value	75 1/1/1
— at 400 V rated value	75 kW 110 kW
— at 690 V rated value	I I U KVV
operating frequency • at AC-3 maximum	1 000 1/h
Control circuit/ Control	1 000 1/11
type of voltage of the control supply voltage	AC
control supply voltage 1 at AC	7.0
• at 50 Hz rated value	230 V
• at 60 Hz rated value	230 V
operating range factor control supply voltage rated value of magnet coil at AC	
● at 50 Hz	0.8 1.1
● at 60 Hz	0.85 1.1
apparent pick-up power of magnet coil at AC	
● at 50 Hz	698 VA
● at 60 Hz	594 VA
inductive power factor with closing power of the coil	
• at 50 Hz	0.62
• at 60 Hz	0.55
apparent holding power of magnet coil at AC	FOVA
• at 50 Hz	52 VA
• at 60 Hz	38 VA
inductive power factor with the holding power of the coil	0.25
at 50 Hzat 60 Hz	0.35
at 60 Hz Auxiliary circuit	0.41
number of NC contacts for auxiliary contacts	
instantaneous contact	3
number of NO contacts for auxiliary contacts	
instantaneous contact	3
UL/CSA ratings	
contact rating of auxiliary contacts according to UL	A600 / Q600
	A600 / Q600
contact rating of auxiliary contacts according to UL	A600 / Q600
contact rating of auxiliary contacts according to UL Short-circuit protection	A600 / Q600
contact rating of auxiliary contacts according to UL Short-circuit protection design of the fuse link	A600 / Q600 gG NH 3NA, DIAZED 5SB, NEOZED 5SE: 250 A
contact rating of auxiliary contacts according to UL Short-circuit protection design of the fuse link • for short-circuit protection of the main circuit	
contact rating of auxiliary contacts according to UL Short-circuit protection design of the fuse link • for short-circuit protection of the main circuit — with type of coordination 1 required	gG NH 3NA, DIAZED 5SB, NEOZED 5SE: 250 A
contact rating of auxiliary contacts according to UL Short-circuit protection design of the fuse link • for short-circuit protection of the main circuit — with type of coordination 1 required — with type of assignment 2 required	gG NH 3NA, DIAZED 5SB, NEOZED 5SE: 250 A gG NH 3NA, DIAZED 5SB, NEOZED 5SE: 160 A
contact rating of auxiliary contacts according to UL Short-circuit protection design of the fuse link • for short-circuit protection of the main circuit — with type of coordination 1 required — with type of assignment 2 required • for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions mounting position	gG NH 3NA, DIAZED 5SB, NEOZED 5SE: 250 A gG NH 3NA, DIAZED 5SB, NEOZED 5SE: 160 A fuse gG: 10 A +/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface
contact rating of auxiliary contacts according to UL Short-circuit protection design of the fuse link • for short-circuit protection of the main circuit — with type of coordination 1 required — with type of assignment 2 required • for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions mounting position fastening method	gG NH 3NA, DIAZED 5SB, NEOZED 5SE: 250 A gG NH 3NA, DIAZED 5SB, NEOZED 5SE: 160 A fuse gG: 10 A +/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface screw and snap-on mounting onto 35 mm DIN rail
contact rating of auxiliary contacts according to UL Short-circuit protection design of the fuse link • for short-circuit protection of the main circuit — with type of coordination 1 required — with type of assignment 2 required • for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions mounting position fastening method height	gG NH 3NA, DIAZED 5SB, NEOZED 5SE: 250 A gG NH 3NA, DIAZED 5SB, NEOZED 5SE: 160 A fuse gG: 10 A +/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface screw and snap-on mounting onto 35 mm DIN rail 180 mm
contact rating of auxiliary contacts according to UL Short-circuit protection design of the fuse link • for short-circuit protection of the main circuit — with type of coordination 1 required — with type of assignment 2 required • for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions mounting position fastening method height width	gG NH 3NA, DIAZED 5SB, NEOZED 5SE: 250 A gG NH 3NA, DIAZED 5SB, NEOZED 5SE: 160 A fuse gG: 10 A +/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface screw and snap-on mounting onto 35 mm DIN rail 180 mm 220 mm
contact rating of auxiliary contacts according to UL Short-circuit protection design of the fuse link • for short-circuit protection of the main circuit — with type of coordination 1 required — with type of assignment 2 required • for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions mounting position fastening method height width depth	gG NH 3NA, DIAZED 5SB, NEOZED 5SE: 250 A gG NH 3NA, DIAZED 5SB, NEOZED 5SE: 160 A fuse gG: 10 A +/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface screw and snap-on mounting onto 35 mm DIN rail 180 mm
contact rating of auxiliary contacts according to UL Short-circuit protection design of the fuse link • for short-circuit protection of the main circuit — with type of coordination 1 required — with type of assignment 2 required • for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing	gG NH 3NA, DIAZED 5SB, NEOZED 5SE: 250 A gG NH 3NA, DIAZED 5SB, NEOZED 5SE: 160 A fuse gG: 10 A +/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface screw and snap-on mounting onto 35 mm DIN rail 180 mm 220 mm
contact rating of auxiliary contacts according to UL Short-circuit protection design of the fuse link • for short-circuit protection of the main circuit — with type of coordination 1 required — with type of assignment 2 required • for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing • with side-by-side mounting	gG NH 3NA, DIAZED 5SB, NEOZED 5SE: 250 A gG NH 3NA, DIAZED 5SB, NEOZED 5SE: 160 A fuse gG: 10 A +/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface screw and snap-on mounting onto 35 mm DIN rail 180 mm 220 mm 244 mm
contact rating of auxiliary contacts according to UL Short-circuit protection design of the fuse link • for short-circuit protection of the main circuit — with type of coordination 1 required — with type of assignment 2 required • for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing • with side-by-side mounting — forwards	gG NH 3NA, DIAZED 5SB, NEOZED 5SE: 250 A gG NH 3NA, DIAZED 5SB, NEOZED 5SE: 160 A fuse gG: 10 A +/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface screw and snap-on mounting onto 35 mm DIN rail 180 mm 220 mm 244 mm
contact rating of auxiliary contacts according to UL Short-circuit protection design of the fuse link • for short-circuit protection of the main circuit — with type of coordination 1 required — with type of assignment 2 required • for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing • with side-by-side mounting — forwards — backwards	gG NH 3NA, DIAZED 5SB, NEOZED 5SE: 250 A gG NH 3NA, DIAZED 5SB, NEOZED 5SE: 160 A fuse gG: 10 A +/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface screw and snap-on mounting onto 35 mm DIN rail 180 mm 220 mm 244 mm
contact rating of auxiliary contacts according to UL Short-circuit protection design of the fuse link • for short-circuit protection of the main circuit — with type of coordination 1 required — with type of assignment 2 required • for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing • with side-by-side mounting — forwards — backwards — upwards	gG NH 3NA, DIAZED 5SB, NEOZED 5SE: 250 A gG NH 3NA, DIAZED 5SB, NEOZED 5SE: 160 A fuse gG: 10 A +/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface screw and snap-on mounting onto 35 mm DIN rail 180 mm 220 mm 244 mm
contact rating of auxiliary contacts according to UL Short-circuit protection design of the fuse link • for short-circuit protection of the main circuit — with type of coordination 1 required — with type of assignment 2 required • for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing • with side-by-side mounting — forwards — backwards — upwards — downwards	gG NH 3NA, DIAZED 5SB, NEOZED 5SE: 250 A gG NH 3NA, DIAZED 5SB, NEOZED 5SE: 160 A fuse gG: 10 A +/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface screw and snap-on mounting onto 35 mm DIN rail 180 mm 220 mm 244 mm 10 mm 10 mm 10 mm
contact rating of auxiliary contacts according to UL Short-circuit protection design of the fuse link • for short-circuit protection of the main circuit — with type of coordination 1 required — with type of assignment 2 required • for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing • with side-by-side mounting — forwards — backwards — upwards — downwards — downwards — at the side	gG NH 3NA, DIAZED 5SB, NEOZED 5SE: 250 A gG NH 3NA, DIAZED 5SB, NEOZED 5SE: 160 A fuse gG: 10 A +/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface screw and snap-on mounting onto 35 mm DIN rail 180 mm 220 mm 244 mm
contact rating of auxiliary contacts according to UL Short-circuit protection design of the fuse link • for short-circuit protection of the main circuit — with type of coordination 1 required — with type of assignment 2 required • for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing • with side-by-side mounting — forwards — backwards — upwards — downwards — at the side • for grounded parts	gG NH 3NA, DIAZED 5SB, NEOZED 5SE: 250 A gG NH 3NA, DIAZED 5SB, NEOZED 5SE: 160 A fuse gG: 10 A +/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface screw and snap-on mounting onto 35 mm DIN rail 180 mm 220 mm 244 mm 10 mm 10 mm 10 mm 10 mm
contact rating of auxiliary contacts according to UL Short-circuit protection design of the fuse link • for short-circuit protection of the main circuit — with type of coordination 1 required — with type of assignment 2 required • for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing • with side-by-side mounting — forwards — backwards — upwards — downwards — at the side • for grounded parts — forwards	gG NH 3NA, DIAZED 5SB, NEOZED 5SE: 250 A gG NH 3NA, DIAZED 5SB, NEOZED 5SE: 160 A fuse gG: 10 A +/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface screw and snap-on mounting onto 35 mm DIN rail 180 mm 220 mm 244 mm 10 mm 10 mm 10 mm
contact rating of auxiliary contacts according to UL Short-circuit protection design of the fuse link • for short-circuit protection of the main circuit — with type of coordination 1 required — with type of assignment 2 required • for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing • with side-by-side mounting — forwards — backwards — upwards — downwards — at the side • for grounded parts	gG NH 3NA, DIAZED 5SB, NEOZED 5SE: 250 A gG NH 3NA, DIAZED 5SB, NEOZED 5SE: 160 A fuse gG: 10 A +/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface screw and snap-on mounting onto 35 mm DIN rail 180 mm 220 mm 244 mm 10 mm 10 mm 10 mm 10 mm 10 mm
contact rating of auxiliary contacts according to UL Short-circuit protection design of the fuse link • for short-circuit protection of the main circuit — with type of coordination 1 required — with type of assignment 2 required • for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing • with side-by-side mounting — forwards — backwards — upwards — downwards — at the side • for grounded parts — forwards — backwards — backwards — backwards	gG NH 3NA, DIAZED 5SB, NEOZED 5SE: 250 A gG NH 3NA, DIAZED 5SB, NEOZED 5SE: 160 A fuse gG: 10 A +/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface screw and snap-on mounting onto 35 mm DIN rail 180 mm 220 mm 244 mm 10 mm 10 mm 10 mm 10 mm 10 mm
contact rating of auxiliary contacts according to UL Short-circuit protection design of the fuse link • for short-circuit protection of the main circuit — with type of coordination 1 required — with type of assignment 2 required • for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing • with side-by-side mounting — forwards — backwards — upwards — downwards — at the side • for grounded parts — forwards — backwards — backwards — upwards — backwards — upwards	gG NH 3NA, DIAZED 5SB, NEOZED 5SE: 250 A gG NH 3NA, DIAZED 5SB, NEOZED 5SE: 160 A fuse gG: 10 A +/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface screw and snap-on mounting onto 35 mm DIN rail 180 mm 220 mm 244 mm 10 mm 10 mm 10 mm 10 mm 10 mm 10 mm
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contact rating of auxiliary contacts according to UL Short-circuit protection design of the fuse link • for short-circuit protection of the main circuit — with type of coordination 1 required — with type of assignment 2 required • for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing • with side-by-side mounting — forwards — backwards — upwards — downwards — at the side • for grounded parts — forwards — backwards — upwards — backwards — upwards — at the side • downwards — at the side — downwards — at the side — downwards	gG NH 3NA, DIAZED 5SB, NEOZED 5SE: 250 A gG NH 3NA, DIAZED 5SB, NEOZED 5SE: 160 A fuse gG: 10 A +/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface screw and snap-on mounting onto 35 mm DIN rail 180 mm 220 mm 244 mm 10 mm 10 mm 10 mm 10 mm 10 mm 10 mm
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— upwards	10 mm
— downwards	10 mm
— at the side	10 mm
Connections/ Terminals	
type of electrical connection	
for main current circuit	screw-type terminals
 for auxiliary and control circuit 	screw-type terminals
 at contactor for auxiliary contacts 	Screw-type terminals
of magnet coil	Screw-type terminals
type of connectable conductor cross-sections for main contacts	
 solid or stranded 	2x (2.5 16 mm²), 2x (10 50 mm²), 1x (10 70 mm²)
 finely stranded with core end processing 	2x (2.5 35 mm²), 1x (2.5 50 mm²)
 finely stranded without core end processing 	2x (10 35 mm²), 1x (10 50 mm²)
type of connectable conductor cross-sections	
for auxiliary contacts	
— solid or stranded	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)
 finely stranded with core end processing 	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)
 for AWG cables for auxiliary contacts 	2x (20 16), 2x (18 14)
Safety related data	
product function suitable for safety function	Yes
Electrical Safety	
protection class IP on the front according to IEC 60529	IP20
touch protection on the front according to IEC 60529	finger-safe, for vertical contact from the front
Communication/ Protocol	
product function bus communication	No
protocol is supported AS-Interface protocol	No
product function control circuit interface with IO link	No
Approvals Certificates	
General Product Approval	other Dangerous goods
C C Confirmation UK	Confirmation Transport Information



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)

 $\underline{https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RA2445-8XF32-1AL2445-8XF32-1AL2445-8XF32-1AL2445-8XF32-1AL2445-8XF32-1AL2445-8XF32-1AL2445-8XF32-1AL2445-8XF32-1AL2445-8XF32-1AL2445-8XF32-1AL2445-8XF32-1AL2445-8XF32-1AL2445-8XF32-1AL2445-8XF32-1AL2445-8XF32-1AL2445-8XF32-1AL2445-8XF32-1AL2445-8XF32-1AL2445-8XF32-1AL2445-8XF32-1AL2445-8XF32-1AL2445-8XF32-1AL2445-8XF32-1AL2445-8XF32-1AL2445-8XF32-1AL2445-8XF32-1AL2445-8XF32-1AL2445-8XF32-1AL2445-8XF32-1AL2445-8XF32-1AL2445-8XF32-1AL2445-8XF32-1AL2445-8XF32-1AL2445-8XF32-1AL2445-8XF32-1AL2445-8XF32-1AL2445-8XF32-1AL2445-8XF32-1AL2445-8XF32-1AL2445-8XF32-1AL2445-8XF32-1AL2445-8XF32-1AL2445-8XF32-1AL2445-8XF32-1AL2445-8XF32-1AL2445-8XF32-1AL2445-8XF32-1AL2445-8XF32-1AL2445-8XF32-1AL2445-8XF32-1AL2445-8XF32-1AL2445-8XF32-1AL2445-8XF32-1AL2445-8XF32-1AL2445-8XF32-1AL2445-8XF32-1AL2445-8XF32-1AL2445-8XF32-1AL2445-8XF32-1AL2445-8XF32-1AL2445-8XF32-1AL2445-8XF32-1AL2445-8XF32-1AL2445-8XF32-1AL2445-8XF32-1AL2445-8XF32-1AL2445-8XF32-1AL2445-8XF32-1AL2445-8XF32-1AL2445-8XF32-1AL2445-8XF32-1AL2445-8XF32-1AL2445-8XF32-1AL2445-8XF32-1AL2445-8XF32-1AL2445-8XF32-1AL2445-8XF32-1AL2445-8XF32-1AL2445-8XF32-1AL2445-8XF32-1AL2445-8XF32-1AL2445-8XF32-1AL2445-8XF32-1AL2445-8XF32-1AL2445-8XF32-1AL2445-8XF32-1AL2445-8XF32-1AL2445-8XF32-1AL2445-8XF32-1AL2445-8XF32-1AL2445-8XF32-1AL2445-8XF32-1AL2445-8XF32-1AL2445-8XF32-1AL2445-8XF32-1AL2445-8XF32-1AL2445-8XF32-1AL2445-8XF32-1AL2445-8XF32-1AL2445-8XF32-1AL2445-8XF32-1AL2445-8XF32-1AL2445-8XF32-1AL2445-8XF32-1AL2445-8XF32-1AL2445-8XF32-1AL2445-8XF32-1AL2445-8XF32-1AL2445-8XF32-1AL2445-8XF32-1AL2445-8XF32-1AL2445-8XF32-1AL2445-8XF32-1AL2445-8XF32-1AL2445-8XF32-1AL2445-8XF32-1AL2445-8XF32-1AL2445-8XF32-1AL2445-8XF32-1AL2445-8XF32-1AL2445-8XF32-1AL2445-8XF32-1AL2445-8XF32-1AL2445-8XF32-1AL2445-8XF32-1AL2445-8XF32-1AL2445-8XF32-1AL2445-8XF32-1AL2445-8XF32-1AL2445-8XF32-1AL2445-8XF32-1AL2445-8XF32-1AL2445-8XF32-1AL2445-8XF32-1AL2445-8XF32-1AL2445-8XF32-1A1445-8XF32-1A1445-8XF32-1A1445-8XF32-1A1445-8XF32-1A1445-8XF32-1A1445-$

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RA2445-8XF32-1AL2

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

https://support.industry.siemens.com/cs/ww/en/ps/3RA2445-8XF32-1AL2

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

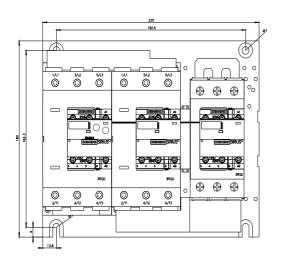
 $\underline{\text{http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RA2445-8XF32-1AL2\&lang=en}$

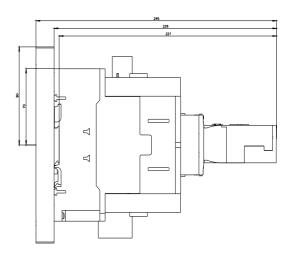
Characteristic: Tripping characteristics, I²t, Let-through current

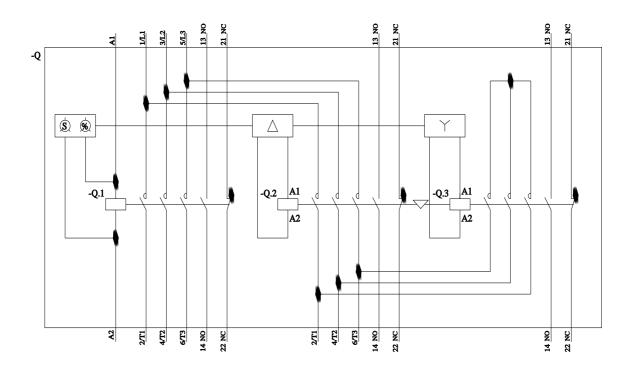
https://support.industry.siemens.com/cs/ww/en/ps/3RA2445-8XF32-1AL2/char

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

http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RA2445-8XF32-1AL2&objecttype=14&gridview=view1







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