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 designation Contactor assembly for star-delta (wye-delta) start product type designation 3RA24	product brand name	SINIOS
manufacturer's article number 1 of the supplied contactor 2 of the supplied contactor 3RT2045-1AL20	product designation	Contactor assembly for star-delta (wye-delta) start
• 1 of the supplied contactor • 2 of the supplied contactor • 3 of the supplied contactor • 3 of the supplied contactor • 3 of the supplied Contactor • of the supplied RS assembly kit • of the supplied Incition module for wye-delta circuits • of the supplied Incition module for wye-delta circuits SaRA2913-2C • of the supplied Incition module for wye-delta circuits SaRA2916-0EW20 Gonoral tochnical data size of contactor size of contactor shock resistance at rectangular impulse • at AC • of 7 g / 5 ms, 4.0 g / 10 ms shock resistance with sine pulse • at AC • of the contactor typical • 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 contactor bypical • 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	product type designation	3RA24
• 2 of the supplied contactor • 3 of the supplied contactor • of the supplied Rassembly kit • of the supplied Rassembly kit • of the supplied function module for wye-delta circuits 3RA2913-2C • 3 of the supplied function module for wye-delta circuits 3RA2916-JEW20 Concrat technical data size of contactor product extension auxiliary switch No 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 vertical substance Prohibitance (Date) Substance Pr	manufacturer's article number	
• 3 of the supplied contactor • of the supplied function module for wye-delta circuits • of the supplied function module for wye-delta circuits Size of contactor Size of contactor with size pulse • at AC 6.7 g / 5 ms, 4.0 g / 10 ms Size of contactor typical • of contactor typical • of contactor typical • of the contactor with added auxiliary switch block typical • of the co	 1 of the supplied contactor 	3RT2045-1AL20
of the supplied RS assembly kit of the supplied function module for wye-delta circuits SRA2816-0EW20 Concrat tochnical data size of contactor size of contactor product extension auxiliary switch shock resistance at rectangular impulse ot at AC shock resistance with sine pulse ot at AC shock resistance with sine pulse ot at AC shock resistance with sine pulse of the contactor typical of the contactor typical of the contactor typical of the contactor with added auxiliary switch block typical for the contactor with added auxiliary switch block typical verification of the contactor with added auxiliary switch block typical verification of the contactor with added auxiliary switch block typical verification of the contactor with added auxiliary switch block typical verification of the contactor with added auxiliary switch block typical verification of the contactor with added auxiliary switch block typical verification of the contactor with added auxiliary switch block typical verification of the contactor with added auxiliary switch block typical verification of the contactor with added auxiliary switch block typical verification of the contactor with added auxiliary switch block typical verification of the contactor of the contact	2 of the supplied contactor	3RT2045-1AL20
of the supplied function module for wye-delta circuits Size of contactor product extension auxiliary switch of at AC at AC of contactor with sine pulse of contactor with sine pulse of 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 of united at height above sea level maximum of united paratition ambient temperature of uniting operation of united for main current circuit number of NO contacts for main contacts on perating voltage of AC-3 rated value maximum of AC-3 rated value maximum of Poperating voltage of AC-3 rated value maximum of Poperating power of the supplied function module for wye-delta circuits on the contactor with added auxiliary switch block typical and the conditions of contactor with added auxiliary switch block typical and the perating of the contactor with added auxiliary switch block typical and the perating of the contactor of	3 of the supplied contactor	3RT2036-1AL20
size of contactor product extension auxiliary switch shock resistance at rectangular impulse at AC at AC shock resistance with sine pulse 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 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 contactor (Date) auxiliary switch of the contactor of the contacts for main contacts outing operating of poles for main current circuit outing storage outing operating voltage out at AC-3 rated value maximum operating voltage out AC-3 rated value maximum of OPO operating voltage out AC-3 and AC	 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 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 typical • of t	 of the supplied function module for wye-delta circuits 	3RA2816-0EW20
product extension auxiliary switch shock resistance at rectangular impulse	General technical data	
shock resistance at rectangular impulse	size of contactor	S3
• at AC 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 auxil	product extension auxiliary switch	No
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 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 Anbient conditions installation altitude at height above sea level maximum ambient temperature • during operation • during storage -25 +60 °C -55 +80 °C Main circuit number of poles for main current circuit number of poles for main current circuit a 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	shock resistance at rectangular impulse	
• at AC mechanical service life (operating cycles) • of contactor 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 Ambient conditions installation altitude at height above sea level maximum ambient temperature • during operation • during storage - 25 +60 °C • during storage 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 • at AC-3 — at 400 V rated value operating power	• 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 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 storage 4.55 +60 °C • during storage Main circuit number of poles for main current circuit number of NC contacts for main contacts operating voltage • at AC-3 rated value maximum • at AC-3 — at 400 V rated value of the contacts operating power	shock resistance with sine pulse	
of contactor 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 ouring operation during storage Main circuit number of Poles for main current circuit number of NC contacts for main contacts operating voltage at AC-3 rated value maximum eat AC-3 — at 400 V rated value operating power 10000000 2001 10000000 10000000 10000000 1000000	• 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 ouring operation during operation during storage -55 +60 °C during storage Main circuit number of Poles for main current circuit number of NO contacts for main contacts 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	mechanical service life (operating cycles)	
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 5.516 kg Ambient conditions installation altitude at height above sea level maximum during operating during storage oduring storage oduring storage of NC contacts for main current circuit number of NC contacts for main contacts number of NC contacts for main contacts operating voltage of AC-3 rated value maximum operating power	 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 • during storage -25 +60 °C • during rof poles for main current 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	 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 • 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 • 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
Installation altitude at height above sea level maximum ambient temperature during operation during storage during storage during storage -25 +60 °C -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 eat AC-3 —at 400 V rated value 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 • 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 • during storage 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 +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 AC-3 at 400 V rated value operating power 	installation altitude at height above sea level maximum	2 000 m
• 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 -55 +80 °C	ambient temperature	
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	 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 690 V operational current • 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 operational current • at AC-3 — at 400 V rated value 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 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 • at AC-3 — at 400 V rated value 150 A operating power	operating voltage	
• at AC-3 — at 400 V rated value 150 A operating power	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	

SIRIUS

— at 400 V rated value	75 kW
at 400 V rated value — at 690 V rated value	75 KW
operating frequency	1 1 A VAA
at AC-3 maximum	1 000 1/h
Control circuit/ Control	. 300
type of voltage of the control supply voltage	AC
control supply voltage 1 at AC	
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 Hz	0.35
• at 60 Hz	0.41
Auxiliary circuit	
number of NC contacts for auxiliary contacts	3
instantaneous contact number of NO contacts for auxiliary contacts	
instantaneous contact	3
111 11 111 111 111	
UL/CSA ratings	
UL/CSA ratings contact rating of auxiliary contacts according to UL	A600 / Q600
contact rating of auxiliary contacts according to UL	A600 / Q600
	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	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
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 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 — 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 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 — torwards — 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
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 — 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 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 — 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 10 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 — upwards — backwards — upwards — at the side • of or grounded parts — forwards — backwards — upwards — backwards — upwards — downwards — downwards — 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
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 • of or grounded parts — forwards — backwards — upwards — backwards — upwards — odwnwards — at the side — downwards — of live 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 10 mm 10 mm 10 mm

— 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
CE Confirmation	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)

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

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

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

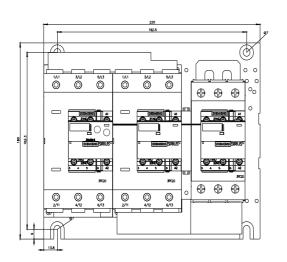
 $\underline{\text{http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RA2445-8XF32-1AL2\&lang=en}$

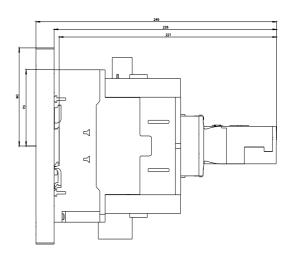
Characteristic: Tripping characteristics, I²t, Let-through current

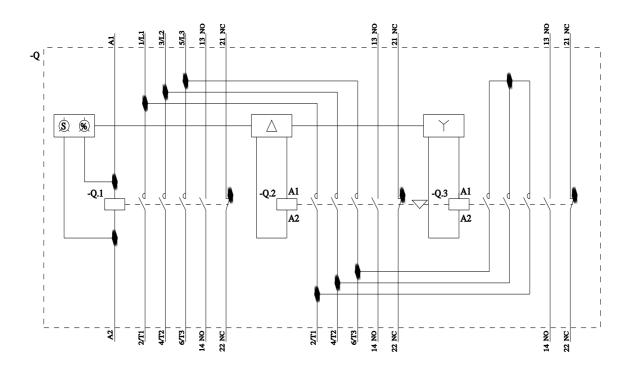
https://support.industry.siemens.com/cs/ww/en/ps/3RA2445-8XF32-1AL2/char

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







last modified: 7/9/2024 🖸

