SIEMENS

Data sheet

3RA2325-8XB30-1BB4



Reversing contactor assembly AC-3, 7.5 kW/400 V, 24 V DC 3-pole, Size S0 screw terminal electrical and mechanical Interlock 2 NO integrated

product designation product type designation manufacturer's article number • 1 of the supplied contactor • 2 of the supplied contactor • 2 of the supplied RH assembly kit General technical data size of contactor product extension auxiliary switch • at DC • at DC • at DC shock resistance at rectangular impulse • at AC • at DC shock resistance with sine pulse • at DC mechanical service life (switching cycles) • of contactor typical • of the contactor with added auxiliary switch block typical reference code acc. to IEC 81346-2 Substance Prohibitance (Date) Ambient conditions installation altitude at height above sea level maximum • ambient temperature during operation • ambient temperature during storage • operating voltage at AC-3 rated value maximum • operating power • at AC-3 • operating voltage at AC-3 rated value • operating power • at AC-3	product brand name	SIRIUS	
manufacturer's article number 1 of the supplied contactor 2 of the supplied contactor 3RT2025-1BB40 3RT2025-1BB40 6 of the supplied RH assembly kit 3RA2923-2AA1 General technical data size of contactor S0 product extension auxiliary switch yes shock resistance at rectangular impulse at AC 7,5g / 5 ms, 4,7g / 10 ms at DC 10g / 5 ms, 7,5g / 10 ms shock resistance with sine pulse at AC 11,8g / 5 ms, 7,4g / 10 ms shock resistance with sine pulse at AC 11,8g / 5 ms, 7,4g / 10 ms shock resistance with sine pulse of contactor typical of contactor typical of contactor typical of the contactor with added auxiliary switch block typical reference code acc. to IEC 81346-2 Q Substance Prohibitance (Date) 01.10,2009 00:00:00 Ambient conditions installation altitude at height above sea level maximum ambient temperature during operation ambient temperature during operation ambient temperature during storage 55+80 °C Main circuit number of NO contacts for main current circuit number of NO contacts for main contacts number of NO contacts for main contacts operating voltage at AC-3 rated value maximum operational current at AC-3 at 400 V rated value operating power at AC-3	•	Reversing contactor assembly	
manufacturer's article number 1 of the supplied contactor 2 of the supplied contactor 3RT2025-1BB40 3RT2025-1BB40 6 of the supplied RH assembly kit 3RA2923-2AA1 General technical data size of contactor S0 product extension auxiliary switch yes shock resistance at rectangular impulse at AC 7,5g / 5 ms, 4,7g / 10 ms at DC 10g / 5 ms, 7,5g / 10 ms shock resistance with sine pulse at AC 11,8g / 5 ms, 7,4g / 10 ms shock resistance with sine pulse at AC 11,8g / 5 ms, 7,4g / 10 ms shock resistance with sine pulse of contactor typical of contactor typical of contactor typical of the contactor with added auxiliary switch block typical reference code acc. to IEC 81346-2 Q Substance Prohibitance (Date) 01.10,2009 00:00:00 Ambient conditions installation altitude at height above sea level maximum ambient temperature during operation ambient temperature during operation ambient temperature during storage 55+80 °C Main circuit number of NO contacts for main current circuit number of NO contacts for main contacts number of NO contacts for main contacts operating voltage at AC-3 rated value maximum operational current at AC-3 at 400 V rated value operating power at AC-3			
2 of the supplied contactor of the supplied RH assembly kit 3RA2923-2AA1 General technical data size of contactor product extension auxiliary switch yes shock resistance at rectangular impulse at AC at DC at AC at DC			
of the supplied RH assembly kit Size of contactor product extension auxiliary switch shock resistance at rectangular impulse • at AC • at DC	1 of the supplied contactor	3RT2025-1BB40	
Size of contactor Size of contactor Size of contactor Yes	2 of the supplied contactor	3RT2025-1BB40	
size of contactor product extension auxiliary switch shock resistance at rectangular impulse	of the supplied RH assembly kit	3RA2923-2AA1	
product extension auxiliary switch shock resistance at rectangular impulse at AC at DC shock resistance with sine pulse at AC at DC tog / 5 ms, 7,5g / 10 ms shock resistance with sine pulse at AC at DC tog / 5 ms, 7,5g / 10 ms shock resistance with sine pulse at AC at DC tog / 5 ms, 7,4g / 10 ms shock resistance with sine pulse at AC at DC tog / 5 ms, 10g / 10 ms shock resistance with sine pulse at AC at DC tog / 5 ms, 10g / 10 ms shock resistance with sine pulse at DC tog / 5 ms, 10g / 10 ms shock resistance with sine pulse at DC tog / 5 ms, 7,4g / 10 ms 15g / 5 ms, 10g / 10 ms 10 000 000 10 000 000 10 000 000 10 000 00			
shock resistance at rectangular impulse	size of contactor	S0	
at AC at DC at DC shock resistance with sine pulse at AC at DC to at DC at DC to contactor typical at of the contactor with added auxiliary switch block typical reference code acc. to IEC 81346-2 Substance Prohibitance (Date) installation altitude at height above sea level maximum ambient temperature during operation ambient temperature during storage Main circuit number of NO contacts for main current circuit number of NC contacts for main contacts number of NC contacts for main contacts e at 400 V rated value operating power e at AC-3 e at 400 V rated value operating power e at AC-3	product extension auxiliary switch	Yes	
at DC shock resistance with sine pulse at AC at DC to contactor typical of the contactor with added auxiliary switch block typical reference code acc. to IEC 81346-2 Substance Prohibitance (Date) installation altitude at height above sea level maximum ambient temperature during operation ambient temperature during storage Main circuit number of NO contacts for main contacts number of NC contacts for main contacts at 400 V rated value operating power at AC-3 at AC-3 11,8g / 5 ms, 7,4g / 10 ms 16g / 5 ms, 7,9g / 10 ms 1000 000 10 000 000 10 000 000 10 000 00	shock resistance at rectangular impulse		
shock resistance with sine pulse • at AC • at DC mechanical service life (switching cycles) • of contactor typical • of the contactor with added auxiliary switch block typical reference code acc. to IEC 81346-2 Substance Prohibitance (Date) Ambient conditions installation altitude at height above sea level maximum • ambient temperature during operation • ambient temperature 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 400 V rated value • at AC-3	• at AC	7,5g / 5 ms, 4,7g / 10 ms	
at AC at DC to at DC to contactor typical of the contactor with added auxiliary switch block typical reference code acc. to IEC 81346-2 Substance Prohibitance (Date) nstallation altitude at height above sea level maximum ambient temperature during operation ambient temperature 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 AC-3 11,8g / 5 ms, 7,4g / 10 ms 15g / 5 ms, 10g / 10 ms 16g / 5 ms, 10g / 10 ms 16u 000 000 10 000 000 10 000 000 10 000 00	• at DC	10g / 5 ms, 7,5g / 10 ms	
at DC mechanical service life (switching cycles) of contactor typical of the contactor with added auxiliary switch block typical reference code acc. to IEC 81346-2 Substance Prohibitance (Date) Ambient conditions installation altitude at height above sea level maximum o ambient temperature during operation ambient temperature 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 o operating voltage at AC-3 rated value maximum operating power at AC-3 at AC-3	shock resistance with sine pulse		
mechanical service life (switching cycles) of contactor typical of the contactor with added auxiliary switch block typical reference code acc. to IEC 81346-2 Quality Substance Prohibitance (Date) O1.10.2009 00:00:00 Ambient conditions installation altitude at height above sea level maximum output ambient temperature during operation output ambient temperature during 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 operational current at AC-3 output operating power output	• at AC	11,8g / 5 ms, 7,4g / 10 ms	
of contactor typical of the contactor with added auxiliary switch block typical reference code acc. to IEC 81346-2 Substance Prohibitance (Date) Ambient conditions installation altitude at height above sea level maximum ambient temperature during operation ambient temperature during storage ambient temperature during storage -25 +60 °C ambient 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 operating power at AC-3	• at DC	15g / 5 ms, 10g / 10 ms	
of the contactor with added auxiliary switch block typical reference code acc. to IEC 81346-2 Substance Prohibitance (Date) Ambient conditions installation altitude at height above sea level maximum ambient temperature during operation ambient temperature during storage ambient temperature 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 operating voltage at AC-3 rated value maximum operating power at AC-3	mechanical service life (switching cycles)		
reference code acc. to IEC 81346-2 Substance Prohibitance (Date) Ambient conditions installation altitude at height above sea level maximum • ambient temperature during operation • ambient temperature during storage -25 +60 °C • ambient temperature 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 • operating voltage at AC-3 rated value maximum operational current at AC-3 • at 400 V rated value • at AC-3	 of contactor typical 	10 000 000	
Substance Prohibitance (Date) Ambient conditions installation altitude at height above sea level maximum • ambient temperature during operation • ambient temperature during storage • ambient temperature 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 • operating voltage at AC-3 rated value maximum operational current at AC-3 • at 400 V rated value operating power • at AC-3	· · · · · · · · · · · · · · · · · · ·	10 000 000	
installation altitude at height above sea level maximum • ambient temperature during operation • ambient temperature during storage • ambient temperature 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 operational current at AC-3 • at 400 V rated value 17 A operating power • at AC-3	reference code acc. to IEC 81346-2	Q	
installation altitude at height above sea level maximum • ambient temperature during operation • ambient temperature during storage -25 +60 °C • ambient temperature 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 • operating voltage at AC-3 rated value maximum operational current at AC-3 • at 400 V rated value 17 A operating power • at AC-3	Substance Prohibitance (Date)	01.10.2009 00:00:00	
 ambient temperature during operation ambient temperature 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 operational current at AC-3 at 400 V rated value operating power at AC-3 	Ambient conditions		
 ambient temperature 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 operational current at AC-3 at 400 V rated value operating power at AC-3 	installation altitude at height above sea level maximum	2 000 m	
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 operating power at AC-3	 ambient temperature 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 o operating voltage at AC-3 rated value maximum operational current at AC-3 out at 400 V rated value operating power out at AC-3	ambient temperature 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 operating power operating power operating power operating power	Main circuit		
number of NC contacts for main contacts output operating voltage at AC-3 rated value maximum operational current at AC-3 output operating power output at AC-3	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 operating power at AC-3 	number of NO contacts for main contacts	3	
operational current at AC-3 • at 400 V rated value operating power • at AC-3	number of NC contacts for main contacts	0	
operational current at AC-3 • at 400 V rated value operating power • at AC-3	 operating voltage at AC-3 rated value maximum 	690 V	
operating power • at AC-3	operational current at AC-3		
• at AC-3	at 400 V rated value	17 A	
	operating power		
at 400 V rated value	• at AC-3		
— at 400 v Tateu value	— at 400 V rated value	7.5 kW	
— at 500 V rated value 10 kW	— at 500 V rated value	10 kW	

— at 690 V rated value	11 kW
at AC-4 at 400 V rated value	7.5 kW
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	DC
	DC .
control supply voltage 1 • at DC rated value	24 V
	5.9 W
closing power of magnet coil at DC holding power of magnet coil at DC	5.9 W
	5.9 W
Auxiliary circuit	
number of NO contacts for auxiliary contacts	
per direction of rotation	1
instantaneous contact	2
contact reliability of auxiliary contacts	< 1 error per 100 million operating cycles
UL/CSA ratings	
full-load current (FLA) for 3-phase AC motor	
at 480 V rated value	14 A
at 600 V rated value	17 A
yielded mechanical performance [hp] for 3-phase AC motor	
• at 220/230 V rated value	5 hp
• at 460/480 V rated value	10 hp
at 575/600 V rated value	15 hp
contact rating of auxiliary contacts according to UL	A600 / Q600
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: 63 A
	0.111.0114 0.114 0.114 0.00 1.110 0.00 0.0
 — with type of assignment 2 required 	gG NH 3NA, DIAZED 5SB, NEOZED 5SE: 25 A
 for short-circuit protection of the auxiliary switch 	gG NH 3NA, DIAZED 5SB, NEOZED 5SE: 25 A fuse gG: 10 A
 for short-circuit protection of the auxiliary switch required 	
for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions	fuse gG: 10 A
for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions mounting position	fuse gG: 10 A +/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface
for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions mounting position fastening method	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 standard mounting rail
for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions mounting position fastening method height	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 standard mounting rail 101 mm
for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions mounting position fastening method height width	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 standard mounting rail 101 mm 90 mm
for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions mounting position fastening method height width depth	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 standard mounting rail 101 mm
for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing	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 standard mounting rail 101 mm 90 mm
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	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 standard mounting rail 101 mm 90 mm 107 mm
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	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 standard mounting rail 101 mm 90 mm 107 mm
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	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 standard mounting rail 101 mm 90 mm 107 mm
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	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 standard mounting rail 101 mm 90 mm 107 mm 6 mm 0 mm 6 mm
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	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 standard mounting rail 101 mm 90 mm 107 mm 6 mm 6 mm 6 mm 6 mm
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	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 standard mounting rail 101 mm 90 mm 107 mm 6 mm 0 mm 6 mm
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	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 standard mounting rail 101 mm 90 mm 107 mm 6 mm 6 mm 6 mm 6 mm 6 mm
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	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 standard mounting rail 101 mm 90 mm 107 mm 6 mm 6 mm 6 mm 6 mm 6 mm
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 — forwards — at the side for grounded parts — backwards — backwards — backwards	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 standard mounting rail 101 mm 90 mm 107 mm 6 mm 6 mm 6 mm 6 mm 6 mm 6 mm
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 — upwards — upwards — at the side of or grounded parts — backwards — backwards — upwards	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 standard mounting rail 101 mm 90 mm 107 mm 6 mm
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 — backwards — backwards — at the side backwards — upwards — at the side backwards — backwards — at the side at the side	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 standard mounting rail 101 mm 90 mm 107 mm 6 mm 6 mm 6 mm 6 mm 6 mm 6 mm 6 mm
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 — backwards — backwards — at the side • forwards — at the side — downwards — at the side — downwards — at the side — downwards	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 standard mounting rail 101 mm 90 mm 107 mm 6 mm
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 — at the side o for grounded parts — downwards — at the side — downwards — at the side — downwards — at the side — downwards • for live parts	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 standard mounting rail 101 mm 90 mm 107 mm 6 mm
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 ofor grounded parts — forwards — backwards — upwards — at the side ofor grounded parts — forwards — at the side — downwards — at the side — downwards — at the side — downwards ofor live parts — forwards oforwards	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 standard mounting rail 101 mm 90 mm 107 mm 6 mm 6 mm 6 mm 6 mm 6 mm 6 mm 6 mm
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 ofor grounded parts — forwards — backwards — upwards — at the side o for grounded parts — forwards — at the side — downwards — at the side — downwards o for live parts — forwards o for live parts — forwards o backwards	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 standard mounting rail 101 mm 90 mm 107 mm 6 mm 6 mm 6 mm 6 mm 6 mm 6 mm 6 mm
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	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 standard mounting rail 101 mm 90 mm 107 mm 6 mm
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 — backwards — upwards — upwards — at the side • for grounded parts — forwards — backwards — upwards — at the side — downwards • for live parts — forwards — backwards — upwards — backwards — upwards — downwards • for live parts — forwards — backwards — upwards — backwards — upwards — downwards — downwards — downwards — downwards	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 standard mounting rail 101 mm 90 mm 107 mm 6 mm
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	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 standard mounting rail 101 mm 90 mm 107 mm 6 mm

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type of electrical connection for main current circuit	screw-type terminals
type of connectable conductor cross-sections	
 for main contacts 	
— solid	2x (1 2.5 mm²), 2x (2.5 10 mm²)
— solid or stranded	2x (1 2,5 mm²), 2x (2,5 10 mm²)
 finely stranded with core end processing 	2x (1 2.5 mm²), 2x (2.5 6 mm²), 1x 10 mm²
 at AWG cables for main contacts 	2x (16 12), 2x (14 8)
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)
 at AWG cables for auxiliary contacts 	2x (20 16), 2x (18 14)
Safety related data	
B10 value with high demand rate acc. to SN 31920	1 000 000
proportion of dangerous failures	
 with low demand rate acc. to SN 31920 	40 %
 with high demand rate acc. to SN 31920 	75 %
failure rate [FIT] with low demand rate acc. to SN 31920	100 FIT
	100 FII
T1 value for proof test interval or service life acc. to IEC 61508	20 y
T1 value for proof test interval or service life acc. to	
T1 value for proof test interval or service life acc. to IEC 61508	20 y
T1 value for proof test interval or service life acc. to IEC 61508 protection class IP on the front acc. to IEC 60529	20 y IP20
T1 value for proof test interval or service life acc. to IEC 61508 protection class IP on the front acc. to IEC 60529 touch protection on the front acc. to IEC 60529	20 y IP20
T1 value for proof test interval or service life acc. to IEC 61508 protection class IP on the front acc. to IEC 60529 touch protection on the front acc. to IEC 60529 Communication/ Protocol	20 y IP20 finger-safe, for vertical contact from the front
T1 value for proof test interval or service life acc. to IEC 61508 protection class IP on the front acc. to IEC 60529 touch protection on the front acc. to IEC 60529 Communication/ Protocol product function bus communication	20 y IP20 finger-safe, for vertical contact from the front Yes



General Product Approval







Declaration of Conformity

Miscellaneous

Special Test Certificate

Test Certificates

Marine / Shipping







LRS







Marine / Shipping

other

Railway



Confirmation

Vibration and Shock

Further information

Information- and Downloadcenter (Catalogs, Brochures,...)

https://www.siemens.com/ic10

Industry Mall (Online ordering system)

 $\underline{https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RA2325-8XB30-1BB4$

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RA2325-8XB30-1BB4

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

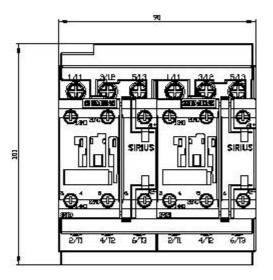
https://support.industry.siemens.com/cs/ww/en/ps/3RA2325-8XB30-1BB4

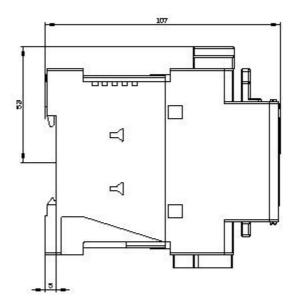
Characteristic: Tripping characteristics, I²t, Let-through current

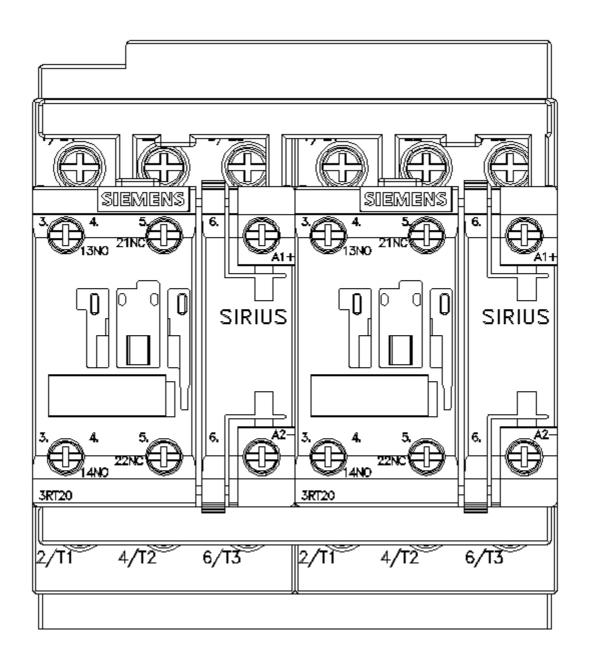
https://support.industry.siemens.com/cs/ww/en/ps/3RA2325-8XB30-1BB4/char

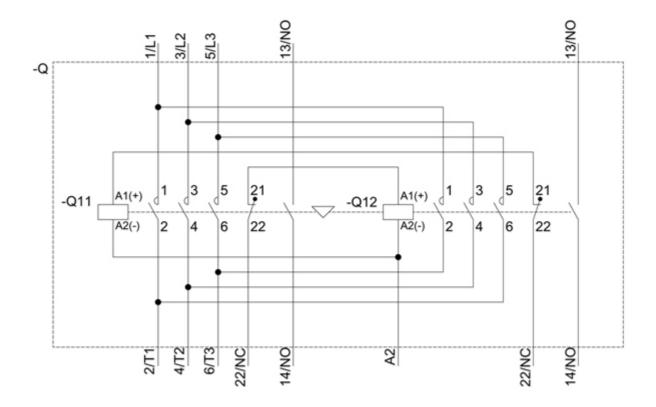
Further characteristics (e.g. electrical endurance, switching frequency)

http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RA2325-8XB30-1BB4&objecttype=14&gridview=view1









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