## Data sheet

3RA2324-8XE30-1BB4



Reversing contactor assembly for 3RA27 AC-3, 5.5~kW/400~V, 24~V~DC~3-pole, Size S0 screw terminal electrical and mechanical interlock 2 NO integrated, with voltage tap

product type designation product type designation anufacturer's article number  • 1 of the supplied contactor • 2 of the supplied contactor • 2 of the supplied contactor • 2 of the supplied contactor • 3RT2024-1B840 • of the supplied contactor • 2 of the supplied contactor  product extension auxiliary switch  slize of contactor  product extension auxiliary switch  shock resistance at rectangular impulse • at AC • at DC  shock resistance with sine pulse • at AC • at DC  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 according to IEC 81346-2 Q Substance Prohibitance (Date)  Anbient conditions installation altitude at height above sea level maximum ablent temperature • during operation • during storage • 25 +60 °C • during operation • during storage • 55 +80 °C  Main circuit number of NC contacts for main contacts 1 number of NC contacts for main contacts 2 operating voltage at AC-3 rated value maximum operations queries at AC-3 • at 400 V rated value • at 690 V rated value • at 600 V rated value	product brand name	SIRIUS
manufacturer's article number  • 1 of the supplied contactor • 2 of the supplied contactor • 3RT2024-1BB40 • of the supplied contactor • of the supplied RH assembly kit  General technical data  size of contactor  S0  product extension auxiliary switch  shock resistance at rectangular impulse • at AC • at DC  shock resistance with sine pulse • at AC • at DC  shock resistance with sine pulse • at AC • at DC  mechanical service life (switching cycles) • of contactor lypical • 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)  Ambient conditions  installation altitude at height above sea level maximum  ambient temperature • during operation • during storage  Main circuit  number of NO contacts 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 690 V rated value • at 600 V rated value • at 600 V rated value • at 600 V rated value • at 400 V rated value • at 400 V rated value • at 600 V rated value • at 400 V rated value • at 400 V rated value • at 600 V rated value	product designation	Reversing contactor assembly
In the supplied contactor  2 of the supplied Contactor  of the supplied RH assembly kit  SRA2923-2AA1  General technical data  size of contactor  product extension auxiliary switch shock resistance at rectangular impulse  of the supplied RH assembly kit  SNO  product extension auxiliary switch shock resistance at rectangular impulse  of the contactor typical  of the contactor with sine pulse  of the contactor typical  of the contactor with added auxiliary switch block typical  reference code according to IEC 81346-2  Substance Prohibitance (Date)  Ambient conditions  installation altitude at height above sea level maximum ambient temperature  of uring sperarion  of uring storage  Alto Contacts for main contacts number of NO contacts for main contacts number of NO contacts for main contacts number of NC contacts for main contacts operating voltage at AC-3 rated value  at 400 V rated value  at 400 V rated value  operating power  at AC-3	product type designation	3RA23
Of the supplied contactor     of the supplied RH assembly kit     3RA2923-2AA1  Size of contactor     product extension auxiliary switch     shock resistance at rectangular impulse         et at AC	manufacturer's article number	
of the supplied RH assembly kit  General technical data size of contactor product extension auxiliary switch     at DC     at AC-3     at dON Tated Value     at 680 V Tated Value     at 680 V Tated Value     at AC-3     at AC	<ul> <li>1 of the supplied contactor</li> </ul>	3RT2024-1BB40-0CC0
Section   Sect	<ul> <li>2 of the supplied contactor</li> </ul>	3RT2024-1BB40
size of contactor product extension auxiliary switch shock resistance at rectangular impulse  • at AC • at DC shock resistance with sine pulse • at AC • at DC 11,8g / 5 ms, 7,5g / 10 ms  • at DC 15g / 5 ms, 10g / 10 ms  mechanical service life (switching cycles) • of contactor rypical • of the contactor with added auxiliary switch block typical reference code according to IEC 81346-2 Qu Substance Prohibitance (Date) Ambient conditions installation altitude at height above sea level maximum ambient temperature • during operation • during storage  Main circuit number of poles for main current circuit 3 number of NC contacts for main contacts 0 operating voltage at AC-3 rated value • at 690 V rated value • at AC-3	<ul> <li>of the supplied RH assembly kit</li> </ul>	3RA2923-2AA1
product extension auxiliary switch  shock resistance at rectangular impulse  at AC  at DC  10g / 5 ms, 7,5g / 10 ms  shock resistance with sine pulse  at AC  at DC  11,8g / 5 ms, 7,4g / 10 ms  to at DC  mechanical service life (switching cycles)  of contactor typical  of the contactor with added auxiliary switch block typical  reference code according to IEC 81346-2  Quuly Substance Prohibitance (Date)  Ambient conditions  installation altitude at height above sea level maximum  ambient temperature  oldring storage  during operation  -25 +60 °C  -55 +80 °C  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  at 690 V rated value  at 690 V rated value  at 690 V rated value  at AC-3	General technical data	
shock resistance at rectangular impulse  at AC  at DC  shock resistance with sine pulse  at AC  at DC  11,8g / 5 ms, 7,5g / 10 ms  18g / 5 ms, 7,4g / 10 ms  18g / 5 ms, 7,4g / 10 ms  18g / 5 ms, 10g / 10 ms  18g / 5 ms, 1	size of contactor	S0
at AC at DC at DC at DC at AC at DC at AC at DC at AC at DC at AC at DC	product extension auxiliary switch	Yes
at DC shock resistance with sine pulse at AC at DC shock resistance with sine pulse at AC at DC shock resistance with sine pulse at DC at DC shock resistance with sine pulse shock resistance service life (switching cycles) of contactor typical of the contactor with added auxiliary switch block typical shock representation of the contactor with added auxiliary switch block typical shock resistance resistance with added auxiliary switch block typical shock resistance resistance with added auxiliary switch block typical shock resistance with sine pulse resistance resistance with added auxiliary switch block typical shock resistance with sine pulse resistance resistance with shock resistance with shock resistance resistance with shock	shock resistance at rectangular impulse	
shock resistance with sine pulse  at AC  at DC  to 15g / 5 ms, 7,4g / 10 ms  bechanical service life (switching cycles)  of contactor typical  of the contactor with added auxiliary switch block typical  reference code according to IEC 81346-2  Quantition altitude at height above sea level maximum  ambient conditions  installation altitude at height above sea level maximum  ambient temperature  oduring operation  oduring storage  and in circuit  number of NO contacts for main current circuit  number of NO contacts for main contacts  operating voltage at AC-3 rated value maximum  ot at 500 V rated value  at 690 V operating power  at AC-3  operating power  at AC-3	• at AC	7,5g / 5 ms, 4,7g / 10 ms
at AC at DC	• 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 according to IEC 81346-2 Q Substance Prohibitance (Date)  Ambient conditions  installation altitude at height above sea level maximum ambient temperature of uring operation of uring storage  Main circuit  number of Poles for main current circuit number of NC contacts for main contacts operating voltage at AC-3 rated value at 500 V rated value at 690 V ated value operating power	shock resistance with sine pulse	
mechanical service life (switching cycles)  • of contactor typical  • of the contactor with added auxiliary switch block typical  reference code according to IEC 81346-2  Q Substance Prohibitance (Date)  Ambient conditions installation altitude at height above sea level maximum  ambient temperature  • during operation  • during storage  -25 +60 °C  • during storage  -25 +80 °C  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 690 V rated value	• at AC	11,8g / 5 ms, 7,4g / 10 ms
of contactor typical     of the contactor with added auxiliary switch block typical  reference code according to IEC 81346-2  Q  Substance Prohibitance (Date)  Ambient conditions  installation altitude at height above sea level maximum  ambient temperature     o during operation     o during storage  -55 +60 °C  during storage  -55 +80 °C  Main circuit  number of NO contacts 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  at 400 V rated value  at 500 V rated value  at 690 V rated value	• at DC	15g / 5 ms, 10g / 10 ms
of the contactor with added auxiliary switch block typical  reference code according to IEC 81346-2  Substance Prohibitance (Date)  Ambient conditions  installation altitude at height above sea level maximum  ambient temperature  • during operation • during storage  -25 +60 °C  • during storage  -25 +80 °C  Main circuit  number of poles for main current circuit  number of NC contacts for main contacts  perating voltage at AC-3 rated value maximum  operational current at AC-3  • at 400 V rated value • at 500 V rated value • at 690 V rated value • at AC-3	mechanical service life (switching cycles)	
reference code according to IEC 81346-2 Q Substance Prohibitance (Date) 10/01/2009  Ambient conditions installation altitude at height above sea level maximum 2 000 m ambient temperature • during operation • during storage -25 +60 °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 12 A • at 690 V rated value 9 A  operating power • at AC-3	<ul> <li>of contactor typical</li> </ul>	10 000 000
Substance Prohibitance (Date)  Ambient conditions installation altitude at height above sea level maximum  ambient temperature  • during operation • during storage  Addin 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 500 V rated value • at 690 V rated value • at 690 V rated value • at 690 V rated value • at AC-3  operating power • at AC-3	•	10 000 000
installation altitude at height above sea level maximum  ambient temperature  • during operation • 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 500 V rated value • at 690 V rated value  • at 690 V rated value  • at 690 V rated value	reference code according to IEC 81346-2	Q
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 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 500 V rated value  • at 690 V rated value  • at 690 V rated value  • at 690 V rated value  • at AC-3	Substance Prohibitance (Date)	10/01/2009
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  operational current at AC-3  • at 400 V rated value  • at 500 V rated value  • at 690 V rated value  operating power  • at AC-3	Ambient conditions	
<ul> <li>during operation</li> <li>during storage</li> <li>t-25 +60 °C</li> <li>during storage</li> <li>t-55 +80 °C</li> </ul> Main circuit <ul> <li>number of poles for main current circuit</li> <li>number of NO contacts for main contacts</li> <li>number of NC contacts for main contacts</li> <li>operating voltage at AC-3 rated value maximum</li> <li>operational current at AC-3</li> <li>at 400 V rated value</li> <li>at 500 V rated value</li> <li>at 690 V rated value</li> <li>at 690 V rated value</li> <li>at 690 V rated value</li> <li>at AC-3</li> </ul>	installation altitude at height above sea level maximum	2 000 m
<ul> <li>during storage</li> <li>-55 +80 °C</li> </ul> Main circuit <ul> <li>number of poles for main current circuit</li> <li>number of NO contacts for main contacts</li> <li>number of NC contacts for main contacts</li> <li>operating voltage at AC-3 rated value maximum</li> <li>operational current at AC-3</li> <li>at 400 V rated value</li> <li>at 500 V rated value</li> <li>at 690 V rated value</li> <li>at 690 V rated value</li> <li>at AC-3</li> </ul> operating power <ul> <li>at AC-3</li> </ul> operating power <ul> <li>at AC-3</li> </ul>	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  operational current at AC-3  • at 400 V rated value  • at 500 V rated value  • at 690 V rated value  operating power  • at AC-3	<ul> <li>during operation</li> </ul>	-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  operational current at AC-3  • at 400 V rated value  • at 500 V rated value  • at 690 V rated value  operating power  • at AC-3	<ul> <li>during storage</li> </ul>	-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  • at 500 V rated value  • at 690 V rated value  • at 690 V rated value  • at AC-3	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  • at 500 V rated value  • at 690 V rated value  • at 690 V rated value  • 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  • at 500 V rated value  • at 690 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  • at 500 V rated value  • at 690 V rated value  • at 690 V rated value  • at AC-3	number of NC contacts for main contacts	0
<ul> <li>at 400 V rated value</li> <li>at 500 V rated value</li> <li>at 690 V rated value</li> <li>operating power</li> <li>at AC-3</li> </ul>	operating voltage at AC-3 rated value maximum	690 V
<ul> <li>at 500 V rated value</li> <li>at 690 V rated value</li> <li>operating power</li> <li>at AC-3</li> </ul>	operational current at AC-3	
at 690 V rated value     operating power     at AC-3	<ul> <li>at 400 V rated value</li> </ul>	12 A
operating power  • at AC-3	• at 500 V rated value	12 A
• at AC-3	at 690 V rated value	9 A
	operating power	
— at 400 V rated value 5.5 kW	• at AC-3	
	— at 400 V rated value	5.5 kW

— at 500 V rated value	5.5 kW
— at 690 V rated value	7.5 kW
at AC-4 at 400 V rated value	5.5 kW
operating frequency at AC-3 maximum	1 000 1/h
Control circuit/ Control	
type of voltage of the control supply voltage	DC
control supply voltage 1	
<ul> <li>at DC rated value</li> </ul>	24 V
closing power of magnet coil at DC	5.9 W
holding power of magnet coil at DC	5.9 W
Auxiliary circuit	
number of NO contacts for auxiliary contacts	
<ul> <li>per direction of rotation</li> </ul>	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	11 A
at 600 V rated value     at 600 V rated value	11 A
yielded mechanical performance [hp] for 3-phase AC	
motor	
• at 220/230 V rated value	3 hp
• at 460/480 V rated value	7.5 hp
• at 575/600 V rated value	10 hp
contact rating of auxiliary contacts according to UL	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
with type of assignment 2 required	gG NH 3NA, DIAZED 5SB, NEOZED 5SE: 25 A
for short-circuit protection of the auxiliary switch	fuse gG: 10 A
• for orion of orion of the duxinary switch	1000 go. 1071
required	
·	
required Installation/ mounting/ dimensions mounting position	+/-180° rotation possible on vertical mounting surface; can be tilted
Installation/ mounting/ dimensions	+/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface
Installation/ mounting/ dimensions	+/-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
Installation/ mounting/ dimensions mounting position	forward and backward by +/- 22.5° on vertical mounting surface
Installation/ mounting/ dimensions mounting position fastening method	forward and backward by +/- 22.5° on vertical mounting surface screw and snap-on mounting onto 35 mm standard mounting rail
Installation/ mounting/ dimensions mounting position  fastening method height width depth	forward and backward by +/- 22.5° on vertical mounting surface screw and snap-on mounting onto 35 mm standard mounting rail 101 mm
Installation/ mounting/ dimensions mounting position  fastening method height width	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
Installation/ mounting/ dimensions mounting position  fastening method height width depth	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
Installation/ mounting/ dimensions mounting position  fastening method height width depth required spacing	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
Installation/ mounting/ dimensions  mounting position  fastening method height width depth required spacing • with side-by-side mounting	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
Installation/ mounting/ dimensions  mounting position  fastening method height width depth required spacing  • with side-by-side mounting — forwards	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
Installation/ mounting/ dimensions  mounting position  fastening method height width depth required spacing  • with side-by-side mounting — forwards — backwards	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
Installation/ mounting/ dimensions mounting position  fastening method height width depth required spacing  • with side-by-side mounting — forwards — backwards — upwards	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
Installation/ mounting/ dimensions mounting position  fastening method height width depth required spacing  • with side-by-side mounting — forwards — backwards — upwards — downwards	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
Installation/ mounting/ dimensions mounting position  fastening method height width depth required spacing  • with side-by-side mounting — forwards — backwards — upwards — downwards — at the side	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
Installation/ mounting/ dimensions  mounting position  fastening method height width depth required spacing  • with side-by-side mounting — forwards — backwards — backwards — upwards — downwards — at the side • for grounded parts	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
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	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
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	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 0 mm
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 — at the side  • for grounded parts — forwards — backwards — upwards	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
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 — at the side  • to grounded parts — to grounded parts	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
Installation/ mounting/ dimensions  mounting position  fastening method height width depth required spacing  • with side-by-side mounting — forwards — backwards — backwards — upwards — downwards — at the side • for grounded parts — forwards — backwards — upwards — at the side — towards — at the side — downwards	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
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 • of or grounded parts — forwards — backwards — upwards — at the side — downwards • for live parts	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
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 • for grounded parts — forwards — backwards — upwards — at the side — downwards • for live parts — forwards	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
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 • for grounded parts — forwards — backwards — upwards — at the side — downwards • for live parts — forwards — forwards • for live parts — forwards — backwards	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
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 • for grounded parts — forwards — at the side — downwards — at the side — downwards  • for live parts — forwards — backwards — upwards  • for live parts — forwards — backwards — upwards	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
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 • for grounded parts — forwards — backwards — upwards — at the side — downwards  • for live parts — forwards — backwards — upwards — backwards — upwards — backwards — backwards — backwards — backwards — upwards — downwards	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
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 — downwards — at the side — for live parts — forwards — backwards — upwards — upwards — at the side — downwards  • for live parts — forwards — backwards — upwards — backwards — upwards — backwards — upwards — at the side	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

<ul> <li>for main current circuit</li> </ul>	screw-type terminals
<ul> <li>for auxiliary and control circuit</li> </ul>	screw-type terminals
<ul> <li>at contactor for auxiliary contacts</li> </ul>	Screw-type terminals
of magnet coil	Screw-type terminals
type of connectable conductor cross-sections	
<ul> <li>for main contacts</li> </ul>	
— solid	2x (1 2.5 mm²), 2x (2.5 10 mm²)
<ul> <li>— solid or stranded</li> </ul>	2x (1 2.5 mm²), 2x (2.5 10 mm²)
<ul> <li>finely stranded with core end processing</li> </ul>	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	
<ul> <li>for auxiliary contacts</li> </ul>	
<ul><li>— solid or stranded</li></ul>	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)
<ul> <li>finely stranded with core end processing</li> </ul>	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)
<ul> <li>at AWG cables for auxiliary contacts</li> </ul>	2x (20 16), 2x (18 14)
Safety related data	
B10 value with high demand rate according to SN 31920	1 000 000
proportion of dangerous failures	
<ul> <li>with low demand rate according to SN 31920</li> </ul>	40 %
with high demand rate according to SN 31920	75 %
failure rate [FIT] with low demand rate according to SN	
31920	100 FIT
	100 FIT 20 y
31920  T1 value for proof test interval or service life according to	
31920 T1 value for proof test interval or service life according to IEC 61508 protection class IP on the front according to IEC	20 y
31920 T1 value for proof test interval or service life according to IEC 61508 protection class IP on the front according to IEC 60529	20 y IP20
31920 T1 value for proof test interval or service life according to IEC 61508 protection class IP on the front according to IEC 60529 touch protection on the front according to IEC 60529	20 y IP20
31920 T1 value for proof test interval or service life according to IEC 61508 protection class IP on the front according to IEC 60529 touch protection on the front according to IEC 60529 Communication/ Protocol	20 y  IP20  finger-safe, for vertical contact from the front
31920 T1 value for proof test interval or service life according to IEC 61508 protection class IP on the front according to IEC 60529 touch protection on the front according to IEC 60529 Communication/ Protocol product function bus communication	20 y IP20 finger-safe, for vertical contact from the front Yes
31920 T1 value for proof test interval or service life according to IEC 61508 protection class IP on the front according to IEC 60529 touch protection on the front according to IEC 60529 Communication/ Protocol product function bus communication protocol is supported AS-Interface protocol	20 y IP20 finger-safe, for vertical contact from the front  Yes No

**General Product Approval** 

Confirmation

**Declaration of Conformity** 

**Special Test Certific-**<u>ate</u>

**Test Certificates** 

## Marine / Shipping













Marine / Shipping

other

Railway

**Dangerous Good** 



Confirmation

Vibration and Shock

Transport Informa-<u>tion</u>

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

https://www.siemens.com/ic10

Industry Mall (Online ordering system)

https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RA2324-8XE30-1BB4

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RA2324-8XE30-1BB4

Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3RA2324-8XE30-1BB4

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) <a href="http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RA2324-8XE30-1BB4&lang=en">http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RA2324-8XE30-1BB4&lang=en</a>

Characteristic: Tripping characteristics, I2t, Let-through current

https://support.industry.siemens.com/cs/ww/en/ps/3RA2324-8XE30-1BB4/char

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

http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RA2324-8XE30-1BB4&objecttype=14&gridview=view1

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