# **SIEMENS**

## **Data sheet**

## 3RA2426-8XH32-1BB4

Contactor assembly for star-delta (wye-delta) start, AS-i AC-3, 22 kW/400 V, 24 V DC 3-pole, size S0 screw terminals electrical and mechanical interlock 3 NO + 3 NC integrated



product brand name	SIRIUS
product designation	Contactor assembly for star-delta (wye-delta) start
product type designation	3RA24
manufacturer's article number	
1 of the supplied contactor	3RT2027-1BB40-0CC0
2 of the supplied contactor	3RT2027-1BB40
3 of the supplied contactor	3RT2026-1BB40
<ul> <li>of the supplied RS assembly kit</li> </ul>	3RA2923-2BB1
<ul> <li>of the supplied function module for communication</li> </ul>	3RA2712-1CA00
General technical data	
size of contactor	S0
product extension auxiliary switch	No
shock resistance at rectangular impulse	
• at AC	8,3g / 5 ms, 5,3g / 10 ms
• at DC	10g / 5 ms, 7,5g / 10 ms
shock resistance with sine pulse	
• at AC	13,5g / 5 ms, 8,3g / 10 ms
• at DC	15g / 5 ms, 10g / 10 ms
mechanical service life (operating cycles)	
<ul> <li>of contactor typical</li> </ul>	10 000 000
<ul> <li>of the contactor with added auxiliary switch block typical</li> </ul>	10 000 000
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	
<ul> <li>during operation</li> </ul>	-25 +60 °C
<ul> <li>during storage</li> </ul>	-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	50 A
operating power	
• at AC-3	
— at 400 V rated value	22 kW

Control circuit Centrol System of Violage of the control supply voltage   DC		19 kW
at ACS maximum  Type of voltage of the control supply voltage control supply voltage of a (ACS treat value)  b (Assillary circuit  number of NG contacts for auxiliary contacts  a instantaneous contact  a (Assillary circuit  number of NG contacts for auxiliary contacts  a instantaneous contact  a (ACS treat value)  a (ACS t		19 kW
Centrol circuit/ Centrol  Type of voltage of the control supply voltage  at DC rated value  bolding power of magnet coil at DC  13.8 W  holding power of magnet coil at DC  resident control supply of auxiliary contacts  international contact  resident countrol supply of auxiliary contacts  instantaneous contact  resident countrol supply of auxiliary contacts  contact ratingly of auxiliary contacts  contact rating of auxiliary contacts  international protection of the main circuit  — with type of containation 1 required  — of or short-circuit protection of the main circuit  — with type of auxiliary contacts  — showwards  — to short-circuit protection of the auxiliary switch required  — showwards  — to short-circuit protection of the auxiliary switch required  — showwards  — to short-circuit protection of the auxiliary switch required  — showwards  — to short-circuit protection of the auxiliary switch required  — showwards  — to short-circuit protection of the auxiliary switch required  — showwards  — to short-circuit protection of the auxiliary switch required  — showwards  — on many type of auxiliary contacts  — showwards  — on many  — with slid-by-side mounting  — with slid-by-side mounting  — showwards  — on many  — at the side  — on many  — on the side  — on many  —		4.000.4/b
type of voltage of the control supply voltage 1 a at DC Tack Value 24 V closing power of magnet coil at DC 13.8 W holding power of magnet coil at DC 13.8 W holding power of magnet coil at DC 13.8 W holding power of magnet coil at DC 13.8 W number of NC contacts for auxiliary contacts • instantaneous contact 1 number of NC contacts for auxiliary contacts • instantaneous contact 3 contact reliability of auxiliary contacts 3 contact reliability of auxiliary contacts 4 contact reliability of auxiliary contacts 5 contact reliability of auxiliary contacts 4 - with type of coordination 1 required 9 - with type of coordination 1 required 9 - with type of coordination 1 required 9 - of or short-circuit protection of the main circuit 1 - with type of coordination 1 required 9 - of or short-circuit protection of the auxiliary switch required 1 - with type of coordination 1 required 9 - of or short-circuit protection of the auxiliary switch required 1 - with type of coordination 1 required 9 - of or short-circuit protection of the auxiliary switch required 1 - with type of coordination 1 required 9 - of or short-circuit protection of the auxiliary switch required 1 - of or short-circuit protection of the auxiliary switch required 1 - of or short-circuit protection of the auxiliary switch required 1 - of or short-circuit protection 1 - to the short 1 - of t		I 000 I/N
control supply voltage 1  a at DC rated value 24 V  closing power of magnet coil at DC 13.8 W  holding power of magnet coil at DC 13.8 W  Availably oricinal  number of NC contacts for auxiliary contacts  instantaneous contact 3  number of NO contacts for auxiliary contacts  instantaneous contact 3  contact reliability of auxiliary contacts  instantaneous contact 3  contact reliability of auxiliary contacts  ULGSA ratings  contact rating of auxiliary contacts 4  if or short-circuit protection of the main circuit  with type of proceedination 1 required  of or short-circuit protection of the waliers which required  if or short-circuit protection of the waliers which required  if or short-circuit protection of the waliers which required  if or short-circuit protection of the waliers which required  if or short-circuit protection of the waliers which required  if or short-circuit protection of the waliers which required  if or short-circuit protection of the waliers which required  if or short-circuit protection of the waliers which required  if or short-circuit protection of the waliers which required  if or short-circuit protection of the waliers which required  if or short-circuit protection of the waliers which required  if or short-circuit protection of the waliers which required  if or short-circuit protection of the waliers which required  if or short-circuit protection of the waliers which required  if or short-circuit protection of the waliers which required  if or short-circuit protection of the waliers which required  if or short-circuit protection of the waliers which required  if one short-circuit protection of the waliers which required  if one short-circuit protection of the waliers which required  if one short-circuit protection of the waliers which required  if one short-circuit protection of the waliers which required  if one short-circuit protection of the waliers which required  if one short-circuit protection of the waliers which required  if one short-circuit protection of the waliers which req		DC
a at DC rated value   24 V		DC
Section   Sect		24 V
Advillary circuit   Institution   Institut		
number of NC contacts for auxillary contacts instantaneous contact 3 number of NO contacts for auxillary contacts instantaneous contact 3 contact reliability of auxillary contacts contact reliability of auxillary contacts contact rating of auxillary 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/climations mounting position  fastening method height width depth frequired spacing  with side-by-side mounting —lowards — at the side — otherwards — at the side — otherwards — at the side — for grounded parts — forwards — at the side — downwards — otherwards — other		
number of NC contacts for auxiliary contacts  instantaneous contact  contact relability of auxiliary contacts  contact rating of auxiliary contacts  contact rating of auxiliary contacts according to UL  Short-circuit protection  design of the fuse link  in short-circuit protection of the main circuit  - with type of assignment 2 required  instantanon mounting influence of the auxiliary switch required  instantanon mounting influence of the auxiliary switch required  instantanon mounting position  fastening method  height  into from the stantanon mounting auriface, can be tilted forward an backward by ++ 22.5° on vertical mounting surface, can be tilted forward an backward by ++ 22.5° on vertical mounting surface, can be tilted forward an backward by ++ 22.5° on vertical mounting surface, can be tilted forward an backward by ++ 22.5° on vertical mounting surface, can be tilted forward an backward by ++ 22.5° on vertical mounting surface, can be tilted forward an backward by ++ 22.5° on vertical mounting surface, can be tilted forward an backward by ++ 22.5° on vertical mounting surface, can be tilted forward an backward by +22.5° on vertical mounting surface, can be tilted forward an backward by +22.5° on vertical mounting surface, can be tilted forward an backward by +22.5° on vertical mounting surface, can be tilted forward an backward by +22.5° on vertical mounting surface, can be tilted forward an backward by +22.5° on vertical mounting surface, can be tilted forward an backward by +22.5° on vertical mounting surface, can be tilted forward an backward by +22.5° on vertical mounting surface, can be tilted forward an backward by +22.5° on vertical mounting surface, can be tilted forward an backward by +22.5° on vertical mounting surface, can be tilted forward an backward by +22.5° on vertical mounting surface, can be tilted forward an backward by +22.5° on vertical mounting		
inistartaneous contact   3   1   1   1   1   1   1   1   1   1		
instantaneous contact  contact rollability of auxiliary contacts  ULOGN ratings  contact rollability of auxiliary contacts  for short-circuit protection of the main circuit  —with type of coordination 1 required —with type of assignment 2 required —with type of assignment 2 required —with type of assignment 2 required for short-circuit protection of the auxiliary switch required  installation/mounting dimensions  mounting position  fastening method holght —story of a roll of a ro	-	3
Contact reliability of auxiliary contacts  UUGSA retings  Contact traing of auxiliary contacts according to UL  A600 / O600  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 coordination 1 required with type of assignment 2 required	number of NO contacts for auxiliary contacts	
contact rating of auxiliary contacts according to UL  A660 / C660  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  • for short-circuit protection of the auxiliary switch required  • for short-circuit protection of the auxiliary switch required  • for short-circuit protection of the auxiliary switch required  • for short-circuit protection of the auxiliary switch required  installation/mounting/dimensions  mounting position  fastening method  fastening method  fastening method  fastening method  soew and snap-on mounting onto 35 mm DIN rail  holight  uith mide-by-side mounting  • forwards  — towards  — backwards  — towards  — backwards  — towards  — to firm  • for live parts  — forwards  — towards  — t	• instantaneous contact	3
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 - screw and sange-on mounting onto 35 mm DIN rail - height - total mounting with the same of the main circuit - screw and sange-on mounting onto 35 mm DIN rail - total mounting with the same on mounting onto 35 mm DIN rail - total mounting with the same on mounting onto 35 mm DIN rail - total mounting with the same on mounting onto 35 mm DIN rail - total mounting with the same on mounting onto 35 mm DIN rail - total mounting with rai	contact reliability of auxiliary contacts	< 1 error per 100 million operating cycles
Short-circuit protection   design of the fuse link	UL/CSA ratings	
design of the fuse link  • for short-circuit protection of the main circuit  — with type of assignment 2 required  • for short-circuit protection of the auxiliary switch required  • for short-circuit protection of the auxiliary switch required  • for short-circuit protection of the auxiliary switch required  • for short-circuit protection of the auxiliary switch required  • for short-circuit protection of the auxiliary switch required  * for short-circuit protection of the auxiliary switch required  * for short-circuit protection of the auxiliary switch required  * for short-circuit protection of the auxiliary switch required  * for short-circuit protection of the auxiliary switch required  * for short-circuit protection of the auxiliary switch required  * for short-circuit protection of the auxiliary switch required  * for short-circuit protection of the auxiliary switch required  * for short-circuit protection of the auxiliary switch required  * for short-circuit protection of the auxiliary switch required  * for short-circuit protection of the auxiliary switch required  * for short-circuit protection of the auxiliary switch required  * for short-circuit protection of the auxiliary switch required  * for short-circuit protection of the auxiliary switch required  * for short-circuit protection of the subtliance of the short protection of the surface of the short protection o	contact rating of auxiliary contacts according to UL	A600 / Q600
• for short-circuit protection of the main circuit  — with type of coordination 1 required  • with type of coordination 1 required  • for short-circuit protection of the auxiliary switch required  • for short-circuit protection of the auxiliary switch required  mounting position  fastening method  fastening method    height	Short-circuit protection	
- with type of coordination 1 required    - with type of assignment 2 required    - or short-circuit protection of the auxiliary switch required  Installation/ mounting / dimensions  mounting position  fastoning method  for grounded spacing  • with side-by-side mounting  - forwards  - upwards  - at the side  - for grounded parts  - forwards  - upwards  - at the side  - downwards  - at the side  - downwards  - upwards  - at the side  - downwards  - upwards  - forwards  - upwards  - for inverparts  - forwards  - upwards  - formands  - at the side  - downwards  - upwards  - formands  - at the side  - downwards  - at the side  - downwards  - for inverparts  - forwards  - the side  - downwards  - for inverparts  - forwards  - the side  - downwards  - for inverparts  - forwards  - the side  - downwards  - for inverparts  - forwards  - the side  - downwards  - for min in current circuit  - for auxiliary and control circuit  - for auxiliary and control circuit  - of magnet coil  type of connectable conductor cross-sections for main contacts  - solid  - solid or stranded  - finely stranded with core end processing  - fund in manurent circuit and in manurent contacts  - solid  - solid or stranded  - finely stranded with core end processing	design of the fuse link	
• vith type of assignment 2 required  • for short-circuit protection of the auxiliary switch required  Installation mounting dimensions  mounting position  fastening method  height  vith side-by-side mounting  • with side-by-side mounting  • with side-by-side mounting  • with side-by-side mounting  • forwards  — backwards — upwards — downwards — at the side  • for grounded parts — the side — downwards — at the side — downwards — for grounded parts — for grounded parts — for grounded parts — for grounded parts — the side — downwards — at the side — downwards — at the side — downwards — at the side — downwards — for mm  • for live parts — for man current circuit — backwards — upwards — of mm — of mm  • for min current circuit • for auxiliary and control circuit • for auxiliary and control circuit • for auxiliary and control circuit • societ • solid • solid or stranded • finely stranded with core end processing  • finely stranded with core end processing  • finely stranded with core end processing	<ul> <li>for short-circuit protection of the main circuit</li> </ul>	
installation/ mounting position backward by 4-/ 22.5° on vertical mounting surface; can be tilted forward an backward by 4-/ 22.5° on vertical mounting surface; can be tilted forward an backward by 4-/ 22.5° on vertical mounting surface; can be tilted forward an backward by 4-/ 22.5° on vertical mounting surface; can be tilted forward an backward by 4-/ 22.5° on vertical mounting surface; can be tilted forward an backward by 4-/ 22.5° on vertical mounting surface; can be tilted forward an backward by 4-/ 22.5° on vertical mounting surface; can be tilted forward an backward by 4-/ 22.5° on vertical mounting surface; can be tilted forward an backward by 4-/ 22.5° on vertical mounting surface; can be tilted forward an backward by 4-/ 22.5° on vertical mounting surface; can be tilted forward an backward by 4-/ 22.5° on vertical mounting surface; can be tilted forward an backward by 4-/ 22.5° on vertical mounting surface; can be tilted forward an backward by 4-/ 22.5° on vertical mounting surface; can be tilted forward an backward by 4-/ 22.5° on vertical mounting surface; can be tilted forward an backward by 4-/ 22.5° on vertical mounting surface; can be tilted forward an backward by 4-/ 22.5° on vertical mounting surface; can be tilted forward an backward by 4-/ 22.5° on vertical mounting surface; can be tilted forward an backward by 4-/ 22.5° on vertical mounting surface; can be tilted forward an backward by 4-/ 22.5° on vertical mounting surface; can be tilted forward an backward by 4-/ 22.5° on vertical mounting surface; can be tilted forward an backward by 4-/ 22.5° on vertical mounting surface; can be tilted forward an backward by 4-/ 22.5° on vertical mounting surface; can be tilted forward an backward by 4-/ 22.5° on vertical mounting surface; can be tilted forward an backward by 4-/ 22.5° on vertical mounting surface; can be tilted forward an backward by 4-/ 22.5° on vertical mounting surface; can be tilted forward an backward by 4-/ 22.5° on vertical mounting surface; can be tilted forward an backward by	<ul> <li>— with type of coordination 1 required</li> </ul>	gG NH 3NA, DIAZED 5SB, NEOZED 5SE: 125 A
mounting position  ### A		gG NH 3NA, DIAZED 5SB, NEOZED 5SE: 50 A
#/-180" rotation possible on vertical mounting surface; can be tilted forward an backward by #/- 22.5" on vertical mounting surface; can be tilted forward an backward by #/- 22.5" on vertical mounting surface; can be tilted forward an backward by #/- 22.5" on vertical mounting surface; can be tilted forward and scape on vertical mounting surface; can be tilted forward by #/- 22.5" on vertical mounting surface; can be tilted forward by #/- 22.5" on vertical mounting surface; can be tilted forward by #/- 22.5" on vertical mounting surface; can be tilted forward by #/- 22.5" on vertical mounting surface; can be tilted forward by #/- 22.5" on vertical mounting surface; can be tilted forward by #/- 22.5" on vertical mounting surface; can be tilted forward by #/- 22.5" on vertical mounting surface; can be tilted forward by #/- 22.5" on vertical mounting surface; can be tilted forward and scape on vertical mounting surface; can be tilted forward by #/- 23.5" on vertical mounting surface; can be tilted forward by #/- 23.5" on vertical mounting surface; can be tilted forward by #/- 23.5" on vertical mounting surface; can be tilted forward by #/- 23.5" on vertical mounting surface; can be tilted forward by #/- 23.5" on vertical mounting surface; can be tilted forward by #/- 23.5" on minum plants and scape on pounting surface; can be tilted forward by #/- 23.5" on vertical mounting surface; can be tilted forward by #/- 23.5" on vertical mounting surface; can be tilted forward by #/- 23.5" on vertical mounting surface; can be tilted forward by #/- 23.5" on vertical mounting surface; can be tilted forward by #/- 23.5" on vertical mounting surface; can be tilted forward by #/- 23.5" on vertical mounting surface; can be tilted forward by #/- 23.5" on vertical mounting surface; can be tilted forward by #/- 23.5" on vertical mounting suffice for mounting suffice for minum plants.  ### ### ### ### ### ### ### ### ### #		fuse gG: 10 A
fastening method height 101 mm width depth 181 mm required spacing  • with side-by-side mounting — forwards — backwards — upwards — odownwards — of grounded parts — for grounded parts — of grounded parts — at the side — downwards — at the side — downwards — of mm — odownwards — forwards — of mm • for grounded parts — forwards — of mm — odownwards — of mm • for grounded parts — forwards — at the side — of mm — odownwards — of mm • for live parts — forwards — of mm — odownwards — of mm — of mm — of main current circuit • for auxillary and control circuit • screw-type terminals  type of connectable conductor cross-sections for main contacts • solid • solid or stranded • finely stranded with core end processing		
fastening method   101 mm	mounting position	+/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface
height width   135 mm   181	fastening method	
width 181 mm  required spacing  with side-by-side mounting —forwards 6 mm —backwards 6 mm —downwards 6 mm —at the side 6 mm —forwards 6 mm —forwards 6 mm —forwards 7 mm —at the side 6 mm —at the side 6 mm —backwards 0 mm —backwards 0 mm —backwards 6 mm —downwards 6 mm —at the side 6 mm —downwards 6 mm —at the side 6 mm —forwards 6 mm —at the side 6 mm —backwards 0 mm —backwards 6 mm —backwards 6 mm —backwards 6 mm —backwards 6 mm —backwards 5 mm —connections/forminals  type of electrical connection  of main current circuit 5 screw-type terminals —at the side 5 crew-type terminals  screw-type terminals  type of connectable conductor cross-sections for main contacts of magnet coil  type of connectable conductor cross-sections for main contacts of inely stranded 2x (1 2.5 mm²), 2x (2.5 10 mm²)  a solid or stranded of finely stranded with core end processing		
Interest		
required spacing  with side-by-side mounting  - forwards - backwards - upwards - downwards - at the side  for grounded parts - forwards - backwards - upwards - at the side - formands - at the side - formands - backwards - upwards - at the side - downwards - at the side - formands - for live parts - forwards - for live parts - forwards - backwards - upwards - formands - to live parts - forwards - formands - to live parts - forwards - formands - downwards - downwards - downwards - downwards - at the side - formand control circuit - for auxiliary and control circuit - solid or stranded - solid or stranded - solid or stranded - finely stranded with core end processing - finely stranded with core end processing - forman, or man, o		
with side-by-side mounting     — forwards     — backwards     — upwards     — downwards     — at the side     • for grounded parts     — forwards     — backwards     — backwards     — o mm     — backwards     — backwards     — upwards     — at the side     — downwards     — at the side     — downwards     — at the side     — downwards     • for live parts     — forwards     — forwards     — backwards     — o mm     — downwards     — backwards     — o mm     — backwards     — forwards     — backwards     — o mm     — backwards     — backwards     — downwards     — downwards     — downwards     — at the side     — downwards     — at the side     — formal tourier is screw-type terminals     — to rauxiliary and control circuit     • for auxiliary and control circuit     • of magnet coil     type of connectable conductor cross-sections for main contacts     • solid     • solid or stranded     • finely stranded with core end processing     2x (1 2.5 mm²), 2x (2.5 10 mm²)     2x (1 2.5 mm²), 2x (2.5 10 mm²)	•	
- upwards	— forwards	6 mm
- downwards - at the side  • for grounded parts  - forwards - backwards - upwards - at the side - downwards - downwards - for live parts  - for live parts - forwards - backwards - omm - of rive parts - forwards - backwards - upwards - backwards - upwards - backwards - upwards - downwards - at the side - downwards - at the side - at the side - for main current circuit - for on auxiliary and control circuit - for one contactor for auxiliary contacts - for formality contacts - for connectable conductor cross-sections for main contacts - for connectable conductor cross-sections for main contacts - solid - solid or stranded - solid or stranded - finely stranded with core end processing - formal, 2x (1 2.5 mm²), 2x (2.5 10 mm²) - finely stranded with core end processing - formal mm² - formal	— backwards	0 mm
- at the side  • for grounded parts  - forwards  - backwards  0 mm  - upwards  6 mm  - at the side  6 mm  - downwards  • for live parts  - forwards  - forwards  • for live parts  - forwards  - backwards  0 mm  • for live parts  - forwards  - backwards  0 mm  - upwards  6 mm  - at the side  6 mm  Connections/ Terminals  type of electrical connection  • for main current circuit  • for auxiliary and control circuit  • at contactor for auxiliary contacts  • of magnet coil  type of connectable conductor cross-sections for main contacts  • solid  • solid or stranded  • finely stranded with core end processing  6 mm  2x (1 2.5 mm²), 2x (2.5 10 mm²)  • finely stranded with core end processing  2x (1 2.5 mm²), 2x (2.5 10 mm²)  • finely stranded with core end processing	— upwards	6 mm
• for grounded parts  — forwards — backwards — upwards — upwards — at the side — downwards 6 mm  • for live parts — forwards — backwards — of mm  • for live parts — forwards — backwards — backwards — upwards — downwards — downwards — downwards — at the side  Connections/ Terminals  type of electrical connection • for main current circuit • for auxiliary and control circuit • at contactor for auxiliary contacts • of magnet coil type of connectable conductor cross-sections for main contacts • solid • solid or stranded • solid or stranded • finely stranded with core end processing  • finely stranded with core end processing  • for mm  • formain contact  • for auxiliary and control circuit  2x (1 2.5 mm²), 2x (2.5 10 mm²)  • finely stranded with core end processing  2x (1 2.5 mm²), 2x (2.5 10 mm²)	— downwards	6 mm
- forwards 6 mm - backwards 0 mm - upwards 6 mm - at the side 6 mm - downwards 6 mm  • for live parts - forwards 6 mm - backwards 0 mm - upwards 6 mm - backwards 0 mm - upwards 6 mm - downwards 6 mm - at the side 6 mm - downwards 6 mm - at the side 6 mm - at the side 5 mm - at the side 5 mm - at the side 5 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 • of magnet coil 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 • finely stranded with core end processing 2x (1 2.5 mm²), 2x (2.5 10 mm²)	— at the side	6 mm
- backwards - upwards - at the side - downwards - for live parts - forwards - backwards - forwards - forwards - backwards - backwards - backwards - backwards - upwards - downwards - downwards - downwards - at the side - at the side - at the side - for main current circuit - for auxiliary and control circuit - for auxiliary and control circuit - at contactor for auxiliary contacts - of magnet coil - screw-type terminals - screw-type terminals - of magnet coil - screw-type terminals - connectionle connection - for magnet coil - screw-type terminals - of magnet coil - screw-type terminals - of magnet coil - screw-type terminals - solid - screw-type terminals - solid - screw-type terminals - sc		
- upwards - at the side - downwards 6 mm  • for live parts  - forwards 6 mm  - backwards 0 mm  - upwards 6 mm  - downwards 6 mm  - at the side  Connections/ Terminals  type of electrical connection  • for main current circuit • for auxiliary and control circuit • at contactor for auxiliary contacts • of magnet coil  type of connectable conductor cross-sections for main contacts • solid 2x (1 2.5 mm²), 2x (2.5 10 mm²) • finely stranded with core end processing 2x (1 2.5 mm²), 2x (2.5 10 mm²)		
- at the side		
- downwards  • for live parts  - forwards  - backwards  - upwards  - downwards  - at the side  Connections/ Terminals  type of electrical connection  • for main current circuit  • for auxiliary and control circuit  • at contactor for auxiliary contacts  • of magnet coil  type of connectable conductor cross-sections for main contacts  • solid  • solid or stranded  • finely stranded with core end processing  6 mm  7 connections/ Terminals  8 crew-type terminals  9 crew-type terminals  1 contactor for auxiliary contacts  9 crew-type terminals  1 connectable conductor cross-sections for main contacts  9 colid or stranded  1 connectable conductor cross-sections for main contacts  2	·	
<ul> <li>for live parts</li> <li>— forwards</li> <li>— backwards</li> <li>— upwards</li> <li>— downwards</li> <li>— at the side</li> <li>6 mm</li> <li>— at the side</li> <li>6 mm</li> </ul> Connections/ Terminals type of electrical connection <ul> <li>for main current circuit</li> <li>screw-type terminals</li> <li>for auxiliary and control circuit</li> <li>at contactor for auxiliary contacts</li> <li>of magnet coil</li> <li>screw-type terminals</li> </ul> type of connectable conductor cross-sections for main contacts <ul> <li>solid</li> <li>solid or stranded</li> <li>finely stranded with core end processing</li> <li>2x (1 2.5 mm²), 2x (2.5 10 mm²)</li> <li>finely stranded with core end processing</li> <li>2x (1 2.5 mm²), 2x (2.5 10 mm²)</li> <li>finely stranded with core end processing</li> </ul>		- · · · · · · · · · · · · · · · · · · ·
forwards 6 mm backwards 0 mm upwards 6 mm downwards 6 mm at the side 6 mm at the side 6 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 2x (1 2.5 mm²), 2x (2.5 10 mm²) • solid or stranded • finely stranded with core end processing 2x (1 2.5 mm²), 2x (2.5 6 mm²), 1x 10 mm²		6 mm
- backwards - upwards - downwards - downwards - at the side  Connections/ Terminals  type of electrical connection  • for main current circuit • for auxiliary and control circuit • at contactor for auxiliary contacts • of magnet coil  type of connectable conductor cross-sections for main contacts • solid • solid or stranded • finely stranded with core end processing  0 mm 6 mm 6 mm  Screw-type terminals  screw-type terminals  Screw-type terminals  Screw-type terminals  2x (1 2.5 mm²), 2x (2.5 10 mm²)  2x (1 2.5 mm²), 2x (2.5 10 mm²)	•	6 mm
<ul> <li>upwards</li> <li>downwards</li> <li>at the side</li> <li>6 mm</li> </ul> Connections/ Terminals type of electrical connection <ul> <li>for main current circuit</li> <li>for auxiliary and control circuit</li> <li>at contactor for auxiliary contacts</li> <li>of magnet coil</li> <li>screw-type terminals</li> </ul> Screw-type terminals <ul> <li>screw-type terminals</li> <li>screw-type terminals</li> </ul> Screw-type terminals <ul> <li>sorew-type terminals</li> </ul> Screw-type terminals <ul> <li>screw-type terminals</li> </ul> 4 connectable conductor cross-sections for main contacts <ul> <li>solid</li> <li>solid</li> <li>2x (1 2.5 mm²), 2x (2.5 10 mm²)</li> <li>solid or stranded</li> <li>finely stranded with core end processing</li> <li>2x (1 2.5 mm²), 2x (2.5 6 mm²), 1x 10 mm²</li> </ul>		
- downwards - at the side  Connections/ Terminals  type of electrical connection  • for main current circuit  • for auxiliary and control circuit  • at contactor for auxiliary contacts  • of magnet coil  type of connectable conductor cross-sections for main contacts  • solid  • solid or stranded • finely stranded with core end processing  6 mm  7 contacts  9 conta		
- at the side  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 2x (1 2.5 mm²), 2x (2.5 10 mm²)  • solid or stranded with core end processing 2x (1 2.5 mm²), 2x (2.5 6 mm²), 1x 10 mm²	·	
type of electrical connection  • for main current circuit  • for auxiliary and control circuit  • at contactor for auxiliary contacts  • of magnet coil  type of connectable conductor cross-sections for main contacts  • solid  • solid or stranded  • finely stranded with core end processing  screw-type terminals  Screw-type terminals  Screw-type terminals  2x (1 2.5 mm²), 2x (2.5 10 mm²)  2x (1 2.5 mm²), 2x (2.5 10 mm²)		
type of electrical connection  • for main current circuit  • for auxiliary and control circuit  • at contactor for auxiliary contacts  • of magnet coil  type of connectable conductor cross-sections for main contacts  • solid  • solid or stranded  • finely stranded with core end processing  screw-type terminals  Screw-type terminals  Screw-type terminals  2x (1 2.5 mm²), 2x (2.5 10 mm²)  2x (1 2.5 mm²), 2x (2.5 10 mm²)		
<ul> <li>for main current circuit</li> <li>for auxiliary and control circuit</li> <li>at contactor for auxiliary contacts</li> <li>of magnet coil</li> <li>Screw-type terminals</li> <li>type of connectable conductor cross-sections for main contacts</li> <li>solid</li> <li>solid or stranded</li> <li>finely stranded with core end processing</li> <li>screw-type terminals</li> <li>2x (1 2.5 mm²), 2x (2.5 10 mm²)</li> <li>2x (1 2.5 mm²), 2x (2.5 10 mm²)</li> <li>2x (1 2.5 mm²), 2x (2.5 10 mm²)</li> <li>3x (1 2.5 mm²), 2x (2.5 6 mm²), 1x 10 mm²</li> </ul>		
<ul> <li>for auxiliary and control circuit</li> <li>at contactor for auxiliary contacts</li> <li>of magnet coil</li> <li>Screw-type terminals</li> <li>type of connectable conductor cross-sections for main contacts</li> <li>solid</li> <li>solid</li> <li>solid or stranded</li> <li>finely stranded with core end processing</li> <li>screw-type terminals</li> <li>2x (1 2.5 mm²), 2x (2.5 10 mm²)</li> <li>2x (1 2.5 mm²), 2x (2.5 10 mm²)</li> <li>2x (1 2.5 mm²), 2x (2.5 10 mm²)</li> <li>1x 10 mm²</li> </ul>		screw-type terminals
<ul> <li>at contactor for auxiliary contacts</li> <li>of magnet coil</li> <li>Screw-type terminals</li> <li>type of connectable conductor cross-sections for main contacts</li> <li>solid</li> <li>solid</li> <li>solid or stranded</li> <li>finely stranded with core end processing</li> <li>Screw-type terminals</li> <li>2x (1 2.5 mm²), 2x (2.5 10 mm²)</li> <li>2x (1 2.5 mm²), 2x (2.5 10 mm²)</li> <li>2x (1 2.5 mm²), 2x (2.5 6 mm²), 1x 10 mm²</li> </ul>		· · · · · · · · · · · · · · · · · · ·
<ul> <li>◆ of magnet coil</li> <li>Screw-type terminals</li> <li>type of connectable conductor cross-sections for main contacts</li> <li>◆ solid</li> <li>◆ solid or stranded</li> <li>◆ solid or stranded</li> <li>◆ finely stranded with core end processing</li> <li>Screw-type terminals</li> <li>2x (1 2.5 mm²), 2x (2.5 10 mm²)</li> <li>2x (1 2.5 mm²), 2x (2.5 10 mm²)</li> <li>2x (1 2.5 mm²), 2x (2.5 6 mm²), 1x 10 mm²</li> </ul>	•	**
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)  2x (1 2.5 mm²), 2x (2.5 10 mm²)  2x (1 2.5 mm²), 2x (2.5 6 mm²), 1x 10 mm²	•	**
<ul> <li>solid</li> <li>2x (1 2.5 mm²), 2x (2.5 10 mm²)</li> <li>solid or stranded</li> <li>2x (1 2.5 mm²), 2x (2.5 10 mm²)</li> <li>finely stranded with core end processing</li> <li>2x (1 2.5 mm²), 2x (2.5 6 mm²), 1x 10 mm²</li> </ul>		
<ul> <li>solid or stranded</li> <li>2x (1 2.5 mm²), 2x (2.5 10 mm²)</li> <li>finely stranded with core end processing</li> <li>2x (1 2.5 mm²), 2x (2.5 6 mm²), 1x 10 mm²</li> </ul>	•	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		
type of connectable conductor cross-sections	<ul> <li>finely stranded with core end processing</li> </ul>	
type of confidence conductor cross-sections	type of connectable conductor cross-sections	

• for auxiliary contacts

- solid or stranded

- finely stranded with core end processing

• for AWG cables for auxiliary contacts

2x (0.5 ... 1.5 mm²), 2x (0.75 ... 2.5 mm²)

2x (0.5 ... 1.5 mm²), 2x (0.75 ... 2.5 mm²)

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 %
<ul> <li>with high demand rate according to SN 31920</li> </ul>	75 %
failure rate [FIT] with low demand rate according to SN 31920	100 FIT
T1 value for proof test interval or service life according to IEC 61508	20 a
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

Yes

No

product function control circuit interface with IO link Certificates/ approvals

**General Product Approval** 

protocol is supported AS-Interface protocol

**Declaration of Conformity** 

**Test Certificates** 

Marine / Shipping

Confirmation







Special Test Certificate



### Marine / Shipping













other Railway Dangerous Good

<u>Confirmation</u> <u>Vibration and Shock</u> <u>Transport Information</u>

#### Further information

Siemens has decided to exit the Russian market (see here).

https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business

Siemens is working on the renewal of the current EAC certificates.

Please contact your local Siemens office on the status of validity of the EAC certification if you intend to import or offer to supply these products to an EAC relevant market (other than the sanctioned EAEU member states Russia or Belarus).

Information on the packaging

https://support.industry.siemens.com/cs/ww/en/view/109813875

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

https://www.siemens.com/ic10

Industry Mall (Online ordering system)

https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RA2426-8XH32-1BB4

Cax online generator

 $\underline{\text{http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en\&mlfb=3RA2426-8XH32-1BB4}$ 

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

https://support.industry.siemens.com/cs/ww/en/ps/3RA2426-8XH32-1BB4

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

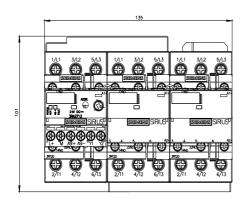
http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RA2426-8XH32-1BB4&lang=en

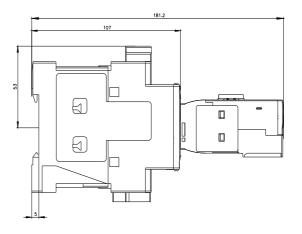
Characteristic: Tripping characteristics, I2t, Let-through current

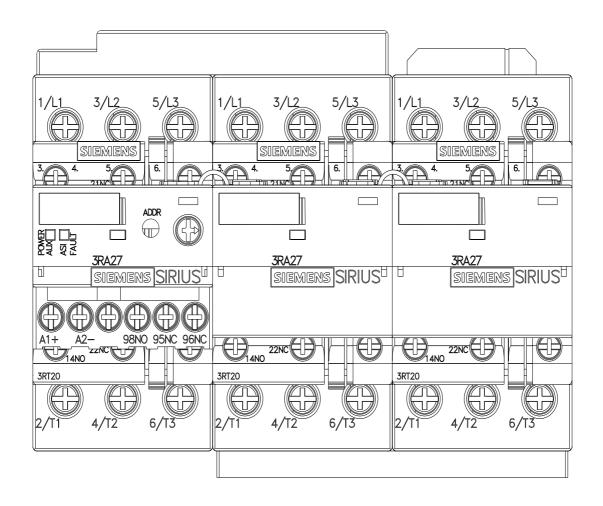
https://support.industry.siemens.com/cs/ww/en/ps/3RA2426-8XH32-1BB4/char

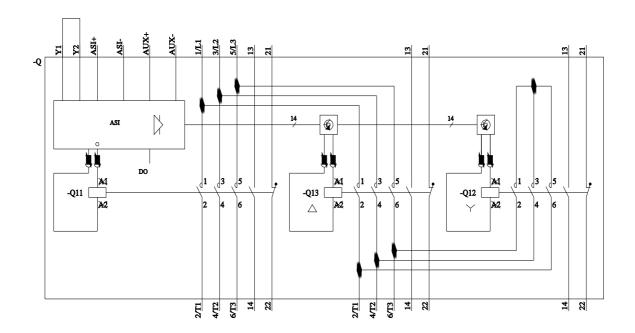
Further characteristics (e.g. electrical endurance, switching frequency)

http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RA2426-8XH32-1BB4&objecttype=14&gridview=view1









last modified: 11/21/2022 🖸