SIEMENS

Data sheet 3RB3046-2XB0



Overload relay 32...115 A Electronic For motor protection Size S3, Class 20E Contactor mounting Main circuit: Screw Auxiliary circuit: Screw Manual-Automatic-Reset

product type designation 3R General technical data size of overload relay \$3 size of contactor can be combined company-specific \$3	
General technical data size of overload relay size of contactor can be combined company-specific S3	3 3 6 W
size of overload relay size of contactor can be combined company-specific S3	3 6 W
size of contactor can be combined company-specific S3	3 6 W
	6 W
1 000 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
power loss [W] for rated value of the current at AC in hot operating state 4.6	53 W
• per pole 1.5	
insulation voltage with degree of pollution 3 at AC rated value 1 0	000 V
surge voltage resistance rated value 8	kV
maximum permissible voltage for protective separation	
 in networks with ungrounded star point between auxiliary and auxiliary circuit 	00 V
 in networks with grounded star point between auxiliary and auxiliary circuit 	00 V
 in networks with ungrounded star point between main and auxiliary circuit 	00 V
• in networks with grounded star point between main and auxiliary circuit	90 V
shock resistance 8g	g / 11 ms
• according to IEC 60068-2-27 15	5g / 11 ms; Signaling contact 97 / 98 in position "Tripped": 8g / 11 ms
thermal current 11	15 A
reference code according to IEC 81346-2	
Substance Prohibitance (Date) 03	3/01/2017
	ead - 7439-92-1 ead monoxide (lead oxide) - 1317-36-8
Weight 22	25 g
Ambient conditions	
installation altitude at height above sea level maximum 2 0	000 m
ambient temperature	
• during operation -25	25 +60 °C
• during storage -40	0° 08+ 00
• during transport -40	0° +80 °C
temperature compensation -25	25 +60 °C
relative humidity during operation 10	O 95 %
Main circuit	
number of poles for main current circuit 3	
adjustable current response value current of the current- dependent overload release	2 115 A
operating voltage ● rated value 10	000 V

at AC 2a mated visiting resolutions	4.000 \/
at AC-3e rated value maximum	1 000 V
operating frequency rated value	50 60 Hz
operational current rated value	115 A
operational current at AC-3e at 400 V rated value	115 A
operating power	40.5 55 144
• for 3-phase motors at 400 V at 50 Hz	18.5 55 kW
• for AC motors at 500 V at 50 Hz	22 75 kW
• for AC motors at 690 V at 50 Hz	30 90 kW
Auxiliary circuit	
design of the auxiliary switch	integrated
number of NC contacts for auxiliary contacts	1
• note	for contactor disconnection
number of NO contacts for auxiliary contacts	1
• note	for message "tripped"
number of CO contacts for auxiliary contacts	0
operational current of auxiliary contacts at AC-15	
• at 24 V	4 A
• at 110 V	4 A
• at 120 V	4 A
• at 125 V	4 A
• at 230 V	3 A
operational current of auxiliary contacts at DC-13	
• at 24 V	2 A
• at 60 V	0.55 A
● at 110 V	0.3 A
• at 125 V	0.3 A
• at 220 V	0.11 A
Protective and monitoring functions	
trip class	CLASS 20E
design of the overload release	electronic
UL/CSA ratings	
full-load current (FLA) for 3-phase AC motor	445.5
full-load current (FLA) for 3-phase AC motor • at 480 V rated value	115 A
full-load current (FLA) for 3-phase AC motor • at 480 V rated value • at 600 V rated value	115 A
full-load current (FLA) for 3-phase AC motor • at 480 V rated value • at 600 V rated value contact rating of auxiliary contacts according to UL	
full-load current (FLA) for 3-phase AC motor • at 480 V rated value • at 600 V rated value contact rating of auxiliary contacts according to UL Short-circuit protection	115 A
full-load current (FLA) for 3-phase AC motor • at 480 V rated value • at 600 V rated value contact rating of auxiliary contacts according to UL Short-circuit protection design of the fuse link	115 A
full-load current (FLA) for 3-phase AC motor • at 480 V rated value • at 600 V rated value contact rating of auxiliary contacts according to UL Short-circuit protection design of the fuse link • for short-circuit protection of the main circuit	115 A B600 / R300
full-load current (FLA) for 3-phase AC motor • at 480 V rated value • at 600 V rated value 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	115 A B600 / R300 gG: 315 A
full-load current (FLA) for 3-phase AC motor • at 480 V rated value • at 600 V rated value 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	115 A B600 / R300 gG: 315 A gG: 315 A
full-load current (FLA) for 3-phase AC motor • at 480 V rated value • at 600 V rated value 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	115 A B600 / R300 gG: 315 A
full-load current (FLA) for 3-phase AC motor • at 480 V rated value • at 600 V rated value 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	115 A B600 / R300 gG: 315 A gG: 315 A fuse gG: 6 A
full-load current (FLA) for 3-phase AC motor • at 480 V rated value • at 600 V rated value 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	115 A B600 / R300 gG: 315 A gG: 315 A fuse gG: 6 A
full-load current (FLA) for 3-phase AC motor • at 480 V rated value • at 600 V rated value 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	115 A B600 / R300 gG: 315 A gG: 315 A fuse gG: 6 A any Contactor mounting
full-load current (FLA) for 3-phase AC motor • at 480 V rated value • at 600 V rated value contact rating of auxiliary contacts according to UL Short-circuit protection design of the fuse link • for short-circuit protection of the main circuit — with type of coordination 1 required — with type of assignment 2 required • for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions mounting position fastening method height	115 A B600 / R300 gG: 315 A gG: 315 A fuse gG: 6 A any Contactor mounting 106 mm
full-load current (FLA) for 3-phase AC motor • at 480 V rated value • at 600 V rated value contact rating of auxiliary contacts according to UL Short-circuit protection design of the fuse link • for short-circuit protection of the main circuit — with type of coordination 1 required — with type of assignment 2 required • for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions mounting position fastening method height width	115 A B600 / R300 gG: 315 A gG: 315 A fuse gG: 6 A any Contactor mounting 106 mm 70 mm
full-load current (FLA) for 3-phase AC motor • at 480 V rated value • at 600 V rated value contact rating of auxiliary contacts according to UL Short-circuit protection design of the fuse link • for short-circuit protection of the main circuit — with type of coordination 1 required — with type of assignment 2 required • for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions mounting position fastening method height width depth	115 A B600 / R300 gG: 315 A gG: 315 A fuse gG: 6 A any Contactor mounting 106 mm
full-load current (FLA) for 3-phase AC motor • at 480 V rated value • at 600 V rated value contact rating of auxiliary contacts according to UL Short-circuit protection design of the fuse link • for short-circuit protection of the main circuit — with type of coordination 1 required — with type of assignment 2 required • for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions mounting position fastening method height width depth Connections/ Terminals	115 A B600 / R300 gG: 315 A gG: 315 A fuse gG: 6 A any Contactor mounting 106 mm 70 mm 124 mm
full-load current (FLA) for 3-phase AC motor • at 480 V rated value • at 600 V rated value contact rating of auxiliary contacts according to UL Short-circuit protection design of the fuse link • for short-circuit protection of the main circuit — with type of coordination 1 required — with type of assignment 2 required • for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions mounting position fastening method height width depth Connections/ Terminals product component removable terminal for auxiliary and control circuit	115 A B600 / R300 gG: 315 A gG: 315 A fuse gG: 6 A any Contactor mounting 106 mm 70 mm
full-load current (FLA) for 3-phase AC motor • at 480 V rated value • at 600 V rated value contact rating of auxiliary contacts according to UL Short-circuit protection design of the fuse link • for short-circuit protection of the main circuit — with type of coordination 1 required — with type of assignment 2 required • for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions mounting position fastening method height width depth Connections/ Terminals product component removable terminal for auxiliary and control circuit type of electrical connection	115 A B600 / R300 gG: 315 A gG: 315 A fuse gG: 6 A any Contactor mounting 106 mm 70 mm 124 mm
full-load current (FLA) for 3-phase AC motor • at 480 V rated value • at 600 V rated value contact rating of auxiliary contacts according to UL Short-circuit protection design of the fuse link • for short-circuit protection of the main circuit — with type of coordination 1 required — with type of assignment 2 required • for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions mounting position fastening method height width depth Connections/ Terminals product component removable terminal for auxiliary and control circuit type of electrical connection • for main current circuit	115 A B600 / R300 gG: 315 A gG: 315 A fuse gG: 6 A any Contactor mounting 106 mm 70 mm 124 mm Yes screw-type terminals
full-load current (FLA) for 3-phase AC motor • at 480 V rated value • at 600 V rated value contact rating of auxiliary contacts according to UL Short-circuit protection design of the fuse link • for short-circuit protection of the main circuit — with type of coordination 1 required — with type of assignment 2 required • for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions mounting position fastening method height width depth Connections/ Terminals product component removable terminal for auxiliary and control circuit type of electrical connection	115 A B600 / R300 gG: 315 A gG: 315 A fuse gG: 6 A any Contactor mounting 106 mm 70 mm 124 mm
full-load current (FLA) for 3-phase AC motor • at 480 V rated value • at 600 V rated value contact rating of auxiliary contacts according to UL Short-circuit protection design of the fuse link • for short-circuit protection of the main circuit — with type of coordination 1 required — with type of assignment 2 required • for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions mounting position fastening method height width depth Connections/ Terminals product component removable terminal for auxiliary and control circuit type of electrical connection • for main current circuit	115 A B600 / R300 gG: 315 A gG: 315 A fuse gG: 6 A any Contactor mounting 106 mm 70 mm 124 mm Yes screw-type terminals
full-load current (FLA) for 3-phase AC motor • at 480 V rated value • at 600 V rated value contact rating of auxiliary contacts according to UL Short-circuit protection design of the fuse link • for short-circuit protection of the main circuit — with type of coordination 1 required — with type of assignment 2 required • for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions mounting position fastening method height width depth Connections/ Terminals product component removable terminal for auxiliary and control circuit type of electrical connection • for main current circuit • for auxiliary and control circuit arrangement of electrical connectors for main current	115 A B600 / R300 gG: 315 A gG: 315 A fuse gG: 6 A any Contactor mounting 106 mm 70 mm 124 mm Yes screw-type terminals screw-type terminals
full-load current (FLA) for 3-phase AC motor • at 480 V rated value • at 600 V rated value contact rating of auxiliary contacts according to UL Short-circuit protection design of the fuse link • for short-circuit protection of the main circuit — with type of coordination 1 required — with type of assignment 2 required • for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions mounting position fastening method height width depth Connections/ Terminals product component removable terminal for auxiliary and control circuit type of electrical connection • for main current circuit • for auxiliary and control circuit arrangement of electrical connectors for main current circuit	115 A B600 / R300 gG: 315 A gG: 315 A fuse gG: 6 A any Contactor mounting 106 mm 70 mm 124 mm Yes screw-type terminals screw-type terminals
full-load current (FLA) for 3-phase AC motor • at 480 V rated value • at 600 V rated value contact rating of auxiliary contacts according to UL Short-circuit protection design of the fuse link • for short-circuit protection of the main circuit — with type of coordination 1 required — with type of assignment 2 required • for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions mounting position fastening method height width depth Connections/ Terminals product component removable terminal for auxiliary and control circuit type of electrical connection • for main current circuit • for auxiliary and control circuit arrangement of electrical connectors for main current circuit type of connectable conductor cross-sections for main contacts	gG: 315 A gG: 315 A fuse gG: 6 A any Contactor mounting 106 mm 70 mm 124 mm Yes screw-type terminals screw-type terminals Top and bottom
full-load current (FLA) for 3-phase AC motor • at 480 V rated value • at 600 V rated value contact rating of auxiliary contacts according to UL Short-circuit protection design of the fuse link • for short-circuit protection of the main circuit — with type of coordination 1 required — with type of assignment 2 required • for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions mounting position fastening method height width depth Connections/ Terminals product component removable terminal for auxiliary and control circuit type of electrical connection • for main current circuit • for auxiliary and control circuit arrangement of electrical connectors for main current circuit type of connectable conductor cross-sections for main contacts • solid	gG: 315 A gG: 315 A fuse gG: 6 A any Contactor mounting 106 mm 70 mm 124 mm Yes screw-type terminals screw-type terminals Top and bottom 2x (2.5 16 mm²)
full-load current (FLA) for 3-phase AC motor • at 480 V rated value • at 600 V rated value contact rating of auxiliary contacts according to UL Short-circuit protection design of the fuse link • for short-circuit protection of the main circuit — with type of coordination 1 required — with type of assignment 2 required • for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions mounting position fastening method height width depth Connections/ Terminals product component removable terminal for auxiliary and control circuit type of electrical connection • for main current circuit • for auxiliary and control circuit arrangement of electrical connectors for main current circuit type of connectable conductor cross-sections for main contacts • solid • stranded	gG: 315 A gG: 315 A fuse gG: 6 A any Contactor mounting 106 mm 70 mm 124 mm Yes screw-type terminals screw-type terminals Top and bottom 2x (2.5 16 mm²) 2x 16 mm²
full-load current (FLA) for 3-phase AC motor • at 480 V rated value • at 600 V rated value contact rating of auxiliary contacts according to UL Short-circuit protection design of the fuse link • for short-circuit protection of the main circuit — with type of coordination 1 required — with type of assignment 2 required • for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions mounting position fastening method height width depth Connections/ Terminals product component removable terminal for auxiliary and control circuit type of electrical connection • for main current circuit • for auxiliary and control circuit arrangement of electrical connectors for main current circuit type of connectable conductor cross-sections for main contacts • solid • stranded • solid or stranded	115 A B600 / R300 gG: 315 A gG: 315 A fuse gG: 6 A any Contactor mounting 106 mm 70 mm 124 mm Yes screw-type terminals screw-type terminals Top and bottom 2x (2.5 16 mm²) 2x 16 mm² 1x (2,5 70 mm²), 2x (2,5 50 mm²)

• for auxiliary contacts — solid — solid or stranded — finely stranded with core end processing • for AWG cables for auxiliary contacts 2x (20 14) tightening torque • for main contacts with screw-type terminals • for auxiliary and control contacts • of the auxiliary and control contacts • of main contacts • of the auxiliary and control contacts * M6 • of the auxiliary and control contacts * M6 • of the auxiliary and control contacts * M8 * Electrical Safety protection class IP on the front according to IEC 60529 touch protection on the front according to IEC 60529 touch protection on the front according to IEC 60529 touch protection on the front according to IEC 60529 touch protection on the front according to IEC 60529 touch protection on the front according to IEC 60529 touch protection on the front according to IEC 600044 • Auxiliary and control time front Communication/ Protocol type of voltage supply via input/output link master **Electromagnetic compatibility** Communication/ Protocol **Type of voltage supply via input/output link master **Electromagnetic compatibility** **One voltage supply via input/output link master **Electromagnetic compatibility** **One voltage supply via input/output link master **Electromagnetic compatibility** **One voltage supply via input/output link master **Electromagnetic compatibility** **On		
- solid or stranded - finely stranded with core end processing 1x (0,5 4 mm²), 2x (0,5 2,5 mm²) • for AWG cables for auxiliary contacts 2x (20 14) tightening torque • for main contacts with screw-type terminals • for auxiliary contacts with screw-type terminals • for main contacts with screw-type terminals • for main contacts • for main contacts • of the auxiliary and control contacts ### M6 • of the auxiliary and control contacts ### M6 • of the auxiliary and control contacts ### M7 ### P20 **Tormination Protocol **Tormination Prot	for auxiliary contacts	
- finely stranded with core end processing • for AWG cables for auxiliary contacts 2x (20 14) tightening torque • for main contacts with screw-type terminals • for auxiliary contacts with screw-type terminals • for main contacts • for wertical contact from the front Communication Protocol type of voltage supply via input/output link master Electromagnetic compatibility conducted interference • due to burst according to IEC 61000-4-4 • due to conductor-conductor surge according to IEC 61000-4-5 • due to burst according to IEC 61000-4-5 • due to ligh-frequency radiation according to IEC 61000-4-5 • due to high-frequency radiation according to IEC 61000-4-3 • due to bigh-frequency radiation according to IEC 61000-4-3 • due to ligh-frequency radiation according to IEC 61000-4-3 • due to ligh-frequency radiation according to IEC 61000-4-3 • due to ligh-frequency radiation according to IEC 61000-4-3 • due to ligh-frequency radiation according to IEC 61000-4-3 • due to ligh-frequency radiation according to IEC 61000-4-3 • due to ligh-frequency radiation according to IEC 61000-4-3 • due to ligh-frequency radiation according to IEC 61000-4-3 • due to ligh-frequency radiation according to IEC 61000-4-3 • due to ligh-frequency radiation according to IEC 61000-4-3 • due to ligh-frequency radiation according to IEC 61000-4-3 •	— solid	1x (0.5 4 mm²), 2x (0.5 2.5 mm²)
• for AWG cables for auxiliary contacts tightening torque • for main contacts with screw-type terminals • for auxiliary contacts with screw-type terminals • Diameter 5 to 6 mm size of the screwdriver tip Pozidriv PZ 2 design of the thread of the connection screw • for main contacts M6 • of the auxiliary and control contacts M8 Electrical Safety protection class IP on the front according to IEC 60529 touch protection on the front according to IEC 60529 touch protection on the front according to IEC 60529 type of voltage supply via input/output link master Electromagnetic compatibility conducted interference • due to burst according to IEC 61000-4-4 • due to conductor-earth surge according to IEC 61000-4-5 • due to conductor-conductor surge according to IEC 61000-4-5 • due to high-frequency radiation according to IEC 61000-4-6 • due to high-frequency radiation according to IEC 61000-4-6 • due to high-frequency radiation according to IEC 61000-4-6 • due to high-frequency radiation according to IEC 61000-4-6 • due to high-frequency radiation according to IEC 61000-4-6 • due to high-frequency radiation according to IEC 61000-4-6 • due to high-frequency radiation according to IEC 61000-4-6 • due to high-frequency radiation according to IEC 61000-4-6 • due to high-frequency radiation according to IEC 61000-4-6 • due to high-frequency radiation according to IEC 61000-4-6 • due to high-frequency radiation according to IEC 61000-4-6 • due to high-frequency radiation according to IEC 61000-4-7 • due to high-frequency radiation according to IEC 61000-4-8 • due to high-frequency radiation according to IEC 61000-4-8 • due to high-frequency radiation according to IEC 61000-4-8 • due to high-frequency radiation according to IEC 61000-4-9 • due to high-frequency radiation according to I	— solid or stranded	1x (0,5 4 mm²), 2x (0,5 2,5 mm²)
tightening torque • for main contacts with screw-type terminals • for auxiliary contacts with screw-type terminals • for auxiliary contacts with screw-type terminals design of screwdriver shaft Diameter 5 to 6 mm size of the screwdriver shaft • for main contacts • for main contacts • for main contacts • of the auxiliary and control contacts M6 • of the auxiliary and control contacts M8 Electrical Safety protection class IP on the front according to IEC 60529 touch protection on the front according to IEC 60529 finger-safe, for vertical contact from the front Communication/ Protocol type of voltage supply via input/output link master Electromagnetic compatibility conducted interference • due to burst according to IEC 61000-4-4 • due to conductor-carth surge according to IEC 61000-4-5 • due to conductor-conductor surge according to IEC 61000-4-5 • due to high-frequency radiation according to IEC 61000-4-6 • due to high-frequency radiation according to IEC 61000-4-3 • due to high-frequency radiation according to IEC 61000-4-2 field-based interference according to IEC 61000-4-2 field-based interference according to IEC 61000-4-2 display version for switching status Slide switch	 finely stranded with core end processing 	1x (0.5 2.5 mm²), 2x (0.5 1.5 mm²)
• for main contacts with screw-type terminals • for auxiliary contacts with screw-type terminals 0.8 1.2 N·m Diameter 5 to 6 mm size of the screwdriver shaft Diameter 5 to 6 mm Pozidriv PZ 2 design of the thread of the connection screw • for main contacts • of the auxiliary and control contacts M3 Electrical Safety protection class IP on the front according to IEC 60529 touch protection on the front according to IEC 60529 touch protection on the front according to IEC 60529 touch protection on the front according to IEC 60529 type of voltage supply via input/output link master Electromagnetic compatibility conducted interference • due to burst according to IEC 61000-4-4 • due to conductor-earth surge according to IEC 61000-4-5 • due to conductor-conductor surge according to IEC 61000-4-5 • due to high-frequency radiation according to IEC 61000-4-3 • due to high-frequency radiation according to IEC 61000-4-3 • due to high-frequency radiation according to IEC 61000-4-3 electrostatic discharge according to IEC 61000-4-2 Display display version for switching status Silde switch	 for AWG cables for auxiliary contacts 	2x (20 14)
for auxiliary contacts with screw-type terminals design of screwdriver shaft size of the screwdriver tip design of the thread of the connection screw • for main contacts • of the auxiliary and control contacts	tightening torque	
design of screwdriver shaft size of the screwdriver tip design of the thread of the connection screw of the auxiliary and control contacts of the auxiliary and control contacts Iteratical Safety protection class IP on the front according to IEC 60529 touch protection on the front according to IEC 60529 touch protection on the front according to IEC 60529 type of voltage supply via input/output link master No Electromagnetic compatibility conducted interference of due to conductor-earth surge according to IEC 61000-4-5 of due to conductor-conductor surge according to IEC 61000-4-5 of due to high-frequency radiation according to IEC 61000-4-6 of the auxiliary and control contacts M6 M3 Electrical Safety protection class IP on the front according to IEC 60529 IP20 finger-safe, for vertical contact from the front Communication/ Protocol type of voltage supply via input/output link master No Electromagnetic compatibility conducted interference of ucus to conductor-earth surge according to IEC 61000-4-5 of ucus to conductor-conductor surge according to IEC 61000-4-5 of ucus to high-frequency radiation according to IEC 61000-4-6 of ucus to high-frequency radiation according to IEC 61000-4-3 of kV contact discharge / 8 kV air discharge Display display version for switching status Slide switch	 for main contacts with screw-type terminals 	4.5 6 N·m
size of the screwdriver tip design of the thread of the connection screw • for main contacts • of the auxiliary and control contacts Belectrical Safety protection class IP on the front according to IEC 60529 touch protection on the front according to IEC 60529 type of voltage supply via input/output link master Electromagnetic compatibility conducted interference • due to burst according to IEC 61000-4-4 • due to conductor-earth surge according to IEC 61000-4-5 • due to high-frequency radiation according to IEC 61000-4-6 • due to high-frequency radiation according to IEC 61000-4-3 • due to high-frequency radiation according to IEC 61000-4-3 • field-based interference according to IEC 61000-4-2 field-based interference according to IEC 61000-4-2 field-based interference according to IEC 61000-4-2 Solide switch Pozidriv PZ 2 M6 M6 M3 Electrical Safety IP20 Inger-safe, for vertical contact from the front Communication/ Protocol Inger-safe, for vertical contact from the front Communication/ Protocol Volumer-safe, for vertical contact from the front Communication/ Protocol Inger-safe, for vertical contact from the front Communication/ Protocol Volumer-safe, for vertical contact from the front Communication/ Protocol Inger-safe, for vertical contact from the front Communication/ Protocol Volumer-safe, for vertical contact from the front Communication/ Protocol Inger-safe, for vertical contact from the front Communication/ Protocol Inger-safe, for vertical contact from the front Communication/ Protocol Inger-safe, for vertical contact from the front Communication/ Protocol Inger-safe, for vertical contact from the front Communication/ Protocol Inger-safe, for vertical contact from the front Communication/ Protocol Inger-safe, for vertical contact from the front Communication/ Protocol Inger-safe, for vertical contact from the front Communication/ Protocol Inger-safe, for vertical contact from the front Communication/ Protocol Inger-safe, for vertical contact from the fro	 for auxiliary contacts with screw-type terminals 	0.8 1.2 N·m
design of the thread of the connection screw • for main contacts • of the auxiliary and control contacts M6 • of the auxiliary and control contacts M8 Electrical Safety protection class IP on the front according to IEC 60529 touch protection on the front according to IEC 60529 touch protection on the front according to IEC 60529 type of voltage supply via input/output link master No Electromagnetic compatibility conducted interference • due to burst according to IEC 61000-4-4 • due to conductor-earth surge according to IEC 61000-4-5 • due to conductor-conductor surge according to IEC 61000-4-5 • due to high-frequency radiation according to IEC 61000- 4-6 field-based interference according to IEC 61000-4-3 field-based interference according to IEC 61000-4-2 field-based interference according to IEC	design of screwdriver shaft	Diameter 5 to 6 mm
of the auxiliary and control contacts of the auxiliary and control contacts Electrical Safety protection class IP on the front according to IEC 60529 touch protection on the front according to IEC 60529 type of voltage supply via input/output link master No Electromagnetic compatibility conducted interference o due to burst according to IEC 61000-4-5 o due to conductor-earth surge according to IEC 61000-4-5 o due to conductor-conductor surge according to IEC 61000-4-5 o due to high-frequency radiation according to IEC 61000-4-3 olde to conductor-conductor surge according to IEC 61000-4-6 olde to high-frequency radiation according to IEC 61000-4-3 olde to conductor-conductor surge according to IEC 61000-4-6 olde to high-frequency radiation according to IEC 61000-4-3	size of the screwdriver tip	Pozidriv PZ 2
of the auxiliary and control contacts Electrical Safety	design of the thread of the connection screw	
Electrical Safety protection class IP on the front according to IEC 60529 touch protection on the front according to IEC 60529 type of voltage supply via input/output link master No Electromagnetic compatibility conducted interference • due to burst according to IEC 61000-4-4 • due to conductor-earth surge according to IEC 61000-4-5 • due to conductor-conductor surge according to IEC 61000-4-5 • due to high-frequency radiation according to IEC 61000-4-3 • due to high-frequency radiation according to IEC 61000-4-3 electrostatic discharge according to IEC 61000-4-2 Display display version for switching status IP20 IP20 IP20 finger-safe, for vertical contact from the front Communication/Protocol finger-safe, for vertical contact from the front Place Finger-safe, for vertical contact from the front Communication/Protocol 10 V (signal ports) corresponds to degree of severity 3 1 kV (line to earth) corresponds to degree of severity 3 1 kV (line to line) corresponds to degree of severity 3 10 V in frequency range 0.15 to 80 MHz, modulation 80 % AM with 1 kHz 4-6 Field-based interference according to IEC 61000-4-3 electrostatic discharge according to IEC 61000-4-2 Slide switch	 for main contacts 	M6
touch protection on the front according to IEC 60529 touch protection on the front according to IEC 60529 finger-safe, for vertical contact from the front Communication/ Protocol type of voltage supply via input/output link master No Electromagnetic compatibility conducted interference • due to burst according to IEC 61000-4-4 • due to conductor-earth surge according to IEC 61000-4-5 • due to conductor-conductor surge according to IEC 61000-4-5 • due to high-frequency radiation according to IEC 61000-4-6 • due to high-frequency radiation according to IEC 61000-4-6 field-based interference according to IEC 61000-4-3 electrostatic discharge according to IEC 61000-4-2 Display display version for switching status IP20 finger-safe, for vertical contact from the front No 2 kV (power ports), 1 kV (signal ports) corresponds to degree of severity 3 1 kV (line to earth) corresponds to degree of severity 3 1 kV (line to line) corresponds to degree of severity 3 10 V in frequency range 0.15 to 80 MHz, modulation 80 % AM with 1 kHz 4 kV (power ports), 1 kV (signal ports) corresponds to degree of severity 3 1 kV (line to line) corresponds to degree of severity 3 1 kV (line to line) corresponds to degree of severity 3 1 kV (line to line) corresponds to degree of severity 3 1 kV (line to line) corresponds to degree of severity 3 1 kV (line to line) corresponds to degree of severity 3 1 kV (line to line) corresponds to degree of severity 3 1 kV (line to line) corresponds to degree of severity 3 1 kV (line to line) corresponds to degree of severity 3 1 kV (line to line) corresponds to degree of severity 3 1 kV (line to line) corresponds to degree of severity 3 1 kV (line to line) corresponds to degre	 of the auxiliary and control contacts 	M3
touch protection on the front according to IEC 60529 finger-safe, for vertical contact from the front Communication/ Protocol type of voltage supply via input/output link master No Electromagnetic compatibility conducted interference • due to burst according to IEC 61000-4-4 • due to conductor-earth surge according to IEC 61000-4-5 • due to conductor-conductor surge according to IEC 61000-4-5 • due to high-frequency radiation according to IEC 61000- 4-6 field-based interference according to IEC 61000-4-3 electrostatic discharge according to IEC 61000-4-2 Display display version for switching status finger-safe, for vertical contact from the front No Electrostatic discharge supply via input/output link master No 2 kV (power ports), 1 kV (signal ports) corresponds to degree of severity 3 1 kV (line to earth) corresponds to degree of severity 3 1 kV (line to line) corresponds to degree of severity 3 10 V in frequency range 0.15 to 80 MHz, modulation 80 % AM with 1 kHz 4-6 6 kV contact discharge / 8 kV air discharge Display display version for switching status	Electrical Safety	
type of voltage supply via input/output link master No Electromagnetic compatibility conducted interference • due to burst according to IEC 61000-4-4 • due to conductor-earth surge according to IEC 61000-4-5 • due to conductor-conductor surge according to IEC 61000-4-5 • due to high-frequency radiation according to IEC 61000-4-6 field-based interference according to IEC 61000-4-3 electrostatic discharge according to IEC 61000-4-2 Display display version for switching status No 2 kV (power ports), 1 kV (signal ports) corresponds to degree of severity 3 2 kV (line to earth) corresponds to degree of severity 3 1 kV (line to line) corresponds to degree of sev	protection class IP on the front according to IEC 60529	IP20
type of voltage supply via input/output link master No	touch protection on the front according to IEC 60529	finger-safe, for vertical contact from the front
Electromagnetic compatibility conducted interference • due to burst according to IEC 61000-4-4 • due to conductor-earth surge according to IEC 61000-4-5 • due to conductor-conductor surge according to IEC 61000-4-5 • due to conductor-conductor surge according to IEC 61000-4-5 • due to high-frequency radiation according to IEC 61000-4-6 • due to high-frequency radiation according to IEC 61000-4-6 • due to high-frequency radiation according to IEC 61000-4-6 • due to high-frequency radiation according to IEC 61000-4-6 • due to high-frequency radiation according to IEC 61000-4-6 • due to high-frequency radiation according to IEC 61000-4-6 • due to high-frequency radiation according to IEC 61000-4-6 • due to high-frequency radiation according to IEC 61000-4-6 • due to conductor-conductor surge according to IEC 61000-4-5 • due to conductor-conductor surge according to IEC 61000-4-5 • due to high-frequency radiation according to IEC 61000-4-6 • due to conductor-conductor surge according to IEC 61000-4-5 • due to high-frequency radiation according to IEC 61000-4-6 • due to conductor-conductor surge according to IEC 61000-4-5 • due to conductor-conductor surge according to IEC 61000-4-5 • due to high-frequency radiation according to IEC 61000-4-6 • due to conductor-conductor surge according to IEC 61000-4-5 • due to high-frequency radiation according to IEC 61000-4-5 • due to high-frequency radiation according to IEC 61000-4-5 • due to high-frequency radiation according to IEC 61000-4-5 • due to conductor-conductor surge according to IEC 61000-4-5 • due to conductor-conductor surge according to IEC 61000-4-5 • due to conductor-conductor surge according to IEC 61000-4-5 • due to conductor-conductor surge according to IEC 61000-4-5 • due to conductor-conductor surge according to IEC 61000-4-5 • due to conductor-conductor surge according to IEC 61000-4-5 • due to conductor-conductor surge according to IEC 61000-4-5 • due to conductor surge according to IEC 61000-4-5 • due to high-frequency	Communication/ Protocol	
conducted interference • due to burst according to IEC 61000-4-4 • due to conductor-earth surge according to IEC 61000-4-5 • due to conductor-conductor surge according to IEC 61000-4-5 • due to conductor-conductor surge according to IEC 61000-4-5 • due to high-frequency radiation according to IEC 61000-4-6 • due to high-frequency radiation according to IEC 61000-4-6 field-based interference according to IEC 61000-4-3 electrostatic discharge according to IEC 61000-4-2 Display display version for switching status 2 kV (power ports), 1 kV (signal ports) corresponds to degree of severity 3 1 kV (line to line) corresponds to degree of severity 3 1 kV (line to line) corresponds to degree of severity 3 1 kV (line to line) corresponds to degree of severity 3 1 kV (line to line) corresponds to degree of severity 3 1 kV (line to line) corresponds to degree of severity 3 1 kV (line to line) corresponds to degree of severity 3 1 kV (line to line) corresponds to degree of severity 3 1 kV (signal ports) corresponds to degree of severity 3 1 kV (line to line) corresponds to degree of severity 3 1 kV (line to line) corresponds to degree of severity 3 1 kV (line to line) corresponds to degree of severity 3 1 kV (line to line) corresponds to degree of severity 3 1 kV (line to line) corresponds to degree of severity 3 1 kV (line to line) corresponds to degree of severity 3 1 kV (line to line) corresponds to degree of severity 3 1 kV (line to line) corresponds to degree of severity 3 1 kV (line to line) corresponds to degree of severity 3 1 kV (line to line) corresponds to degree of severity 3	type of voltage supply via input/output link master	No
 due to burst according to IEC 61000-4-4 due to conductor-earth surge according to IEC 61000-4-5 due to conductor-conductor surge according to IEC 61000-4-5 due to high-frequency radiation according to IEC 61000-4-6 due to high-frequency radiation according to IEC 61000-4-6 field-based interference according to IEC 61000-4-3 dectrostatic discharge according to IEC 61000-4-2 display version for switching status 2 kV (power ports), 1 kV (signal ports) corresponds to degree of severity 3 1 kV (line to line) corresponds to degree of severity 3 1 kV (line to line) corresponds to degree of severity 3 1 kV (line to line) corresponds to degree of severity 3 1 kV (line to line) corresponds to degree of severity 3 10 V in frequency range 0.15 to 80 MHz, modulation 80 % AM with 1 kHz 6 kV contact discharge / 8 kV air discharge 	Electromagnetic compatibility	
• due to conductor-earth surge according to IEC 61000-4-5 • due to conductor-conductor surge according to IEC 61000-4-5 • due to high-frequency radiation according to IEC 61000-4-6 • due to high-frequency radiation according to IEC 61000-4-6 field-based interference according to IEC 61000-4-3 electrostatic discharge according to IEC 61000-4-2 Display display version for switching status 2 kV (line to earth) corresponds to degree of severity 3 1 kV (line to line) corresponds to degree of severity 3 1 kV (line to line) corresponds to degree of severity 3 1 kV (line to line) corresponds to degree of severity 3 1 kV (line to line) corresponds to degree of severity 3 1 kV (line to line) corresponds to degree of severity 3 1 kV (line to line) corresponds to degree of severity 3 1 kV (line to line) corresponds to degree of severity 3 1 kV (line to line) corresponds to degree of severity 3 1 kV (line to line) corresponds to degree of severity 3 1 kV (line to line) corresponds to degree of severity 3 1 kV (line to line) corresponds to degree of severity 3 1 kV (line to line) corresponds to degree of severity 3 1 kV (line to line) corresponds to degree of severity 3 1 kV (line to line) corresponds to degree of severity 3 1 kV (line to line) corresponds to degree of severity 3 10 V in frequency range 0.15 to 80 MHz, modulation 80 % AM with 1 kHz 4 kV (line to line) corresponds to degree of severity 3 10 V in frequency range 0.15 to 80 MHz, modulation 80 % AM with 1 kHz 5 kV (line to line) corresponds to degree of severity 3 10 V in frequency range 0.15 to 80 MHz, modulation 80 % AM with 1 kHz 5 kV (line to line) corresponds to degree of severity 3	conducted interference	
 due to conductor-conductor surge according to IEC 61000-4-5 due to high-frequency radiation according to IEC 61000-4-6 field-based interference according to IEC 61000-4-3 electrostatic discharge according to IEC 61000-4-2 Display due to high-frequency radiation according to IEC 61000-4-3 10 V in frequency range 0.15 to 80 MHz, modulation 80 % AM with 1 kHz 6 kV contact discharge / 8 kV air discharge Slide switch 	 due to burst according to IEC 61000-4-4 	2 kV (power ports), 1 kV (signal ports) corresponds to degree of severity 3
61000-4-5 • due to high-frequency radiation according to IEC 61000- 4-6 field-based interference according to IEC 61000-4-3 electrostatic discharge according to IEC 61000-4-2 Display display version for switching status 10 V in frequency range 0.15 to 80 MHz, modulation 80 % AM with 1 kHz 10 V/m 6 kV contact discharge / 8 kV air discharge	 due to conductor-earth surge according to IEC 61000-4-5 	2 kV (line to earth) corresponds to degree of severity 3
field-based interference according to IEC 61000-4-3 electrostatic discharge according to IEC 61000-4-2 Display display version for switching status 10 V/m 6 kV contact discharge / 8 kV air discharge Slide switch		1 kV (line to line) corresponds to degree of severity 3
electrostatic discharge according to IEC 61000-4-2 Display display version for switching status 6 kV contact discharge / 8 kV air discharge Slide switch		10 V in frequency range 0.15 to 80 MHz, modulation 80 % AM with 1 kHz
Display display version for switching status Slide switch	field-based interference according to IEC 61000-4-3	10 V/m
display version for switching status Slide switch	electrostatic discharge according to IEC 61000-4-2	6 kV contact discharge / 8 kV air discharge
	Display	
Approvals Certificates	display version for switching status	Slide switch

General Product Approval





Confirmation







For use in hazard-**EMV** ous locations

Test Certificates

Marine / Shipping





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

Type Test Certificates/Test Report





Marine / Shipping

other

Environment





Confirmation

Environmental Confirmations

Further information

Information on the packaging https://support.industry.siemens.com/cs/ww/en/view/109813875

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

https://www.siemens.com/ic10

Industry Mall (Online ordering system)
https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RB3046-2XB0

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RB3046-2XB0

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

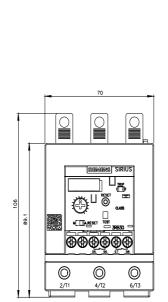
https://support.industry.siemens.com/cs/ww/en/ps/3RB3046-2XB0

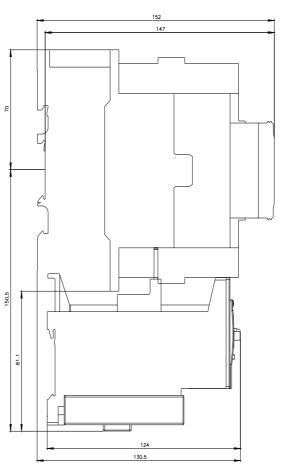
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax de.aspx?mlfb=3RB3046-2XB0&lang=en

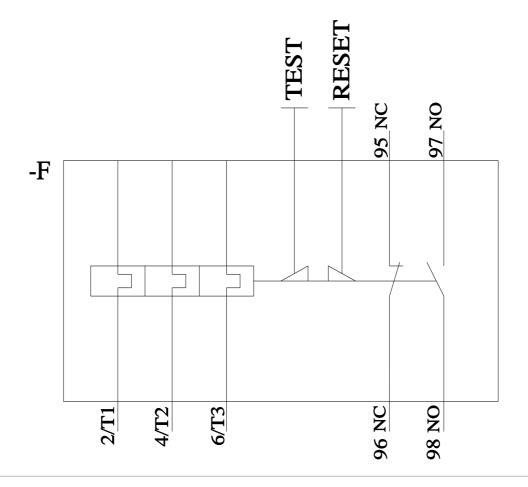
Characteristic: Tripping characteristics, I²t, Let-through current https://support.industry.siemens.com/cs/ww/en/ps/3RB3046-2XB0/ct

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

http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RB3046-2XB0&objecttype=14&gridview=view1







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