## **SIEMENS**

Data sheet 3RB3046-1UW1



Overload relay 12.5...50 A Electronic For motor protection Size S3, Class 10E Stand-alone installation Main circuit: Straight-through transformer Auxiliary circuit: Screw Manual-Automatic-Reset

product brand name	SIRIUS
product designation	solid-state overload relay
product type designation	3RB3
General technical data	
size of overload relay	S3
size of contactor can be combined company-specific	S3
power loss [W] for rated value of the current at AC in hot operating state	0.2 W
• per pole	0.07 W
insulation voltage with degree of pollution 3 at AC rated value	1 000 V
surge voltage resistance rated value	8 kV
maximum permissible voltage for protective separation in networks with grounded star point	
<ul> <li>between auxiliary and auxiliary circuit</li> </ul>	300 V
<ul> <li>between auxiliary and auxiliary circuit</li> </ul>	300 V
<ul> <li>between main and auxiliary circuit</li> </ul>	600 V
between main and auxiliary circuit	690 V
shock resistance	8g / 11 ms
• according to IEC 60068-2-27	15g / 11 ms; Signaling contact 97 / 98 in position "Tripped": 8g / 11 ms
thermal current	50 A
reference code according to IEC 81346-2	F
Substance Prohibitance (Date)	03/01/2017
SVHC substance name	Lead - 7439-92-1 Lead monoxide (lead oxide) - 1317-36-8
Ambient conditions	
installation altitude at height above sea level maximum	2 000 m
ambient temperature	
<ul> <li>during operation</li> </ul>	-25 +60 °C
during storage	-40 +80 °C
during transport	-40 +80 °C
temperature compensation	-25 +60 °C
relative humidity during operation	10 95 %
Main circuit	
number of poles for main current circuit	3
adjustable current response value current of the current- dependent overload release	12.5 50 A
operating voltage	
• rated value	1 000 V
at AC-3e rated value maximum	1 000 V
operating frequency rated value	50 60 Hz
operational current rated value	50 A

e for 2-phase motors at 400 V at 50 Hz e for AC motors at 500 V at 50 Hz e for AC motors at 500 V at 50 Hz e for AC motors at 500 V at 50 Hz e for AC motors at 500 V at 50 Hz e for AC motors at 500 V at 50 Hz design of the auxiliary switch integrated  number of NC contacts for auxiliary contacts e foto for contacts for auxiliary contacts e foto for message "tripped"  number of NO contacts for auxiliary contacts e foto for message "tripped"  number of CO contacts for auxiliary contacts e for message "tripped"  auxiliary contacts at AC-15 e foto for message "tripped"  4 A e at 110 V e fot 125 V e fot		
For A-Sphase motions at 080 V at 50 Hz	operational current at AC-3e at 400 V rated value	50 A
For AC motions at 500 V at 50 Hz   11		
	•	
design of the auxiliary switch  * note  * note	<ul> <li>for AC motors at 500 V at 50 Hz</li> </ul>	11 30 kW
design of the auxiliary exists   Integrated		11 45 kW
number of NC contacts for auxiliary contacts	Auxiliary circuit	
number of NO contacts for auxiliary contacts	design of the auxiliary switch	integrated
number of NO contacts for auxiliary contacts	number of NC contacts for auxiliary contacts	1
nonide	• note	for contactor disconnection
number of CO contacts for auxiliary contacts at AC-15	number of NO contacts for auxiliary contacts	1
a   24		· · ·
eat 24 V   eat 110 V   4 A   A   A   A   A   A   A   A   A		0
• at 110 V • at 125 V • at 160 V • at 110 V • at 125 V • at 160 V • at 110 V • at 125 V	-	
* at 120 V	● at 24 V	
• al 125 V	● at 110 V	
	● at 120 V	4 A
0	● at 125 V	
		3 A
• at 80 V • at 110 V • at 1125 V • at 125 V • at 220 V • at 3480 V rated value • 50 A • at 480 V rated value • 50 A • at 480 V rated value • 50 A • at 480 V rated value • 50 A • at 500 V rated value • 50 A • at 500 V rated value • 50 A • at 500 V rated value • 50 A • at 500 V rated value • 50 A • at 500 V rated value • 50 A • at 500 V rated value • 50 A • at 500 V rated value • 50 A • at 500 V rated value • 50 A • at 500 V rated value • 50 A • at 500 V rated value • 50 A • at 500 V rated value • 50 A • at 500 V rated value • 50 A • at 500 V rated value • 50 A	•	
at 125 V at 220 V brotective and monitoring functions  trip class  design of the overload release  electronic  ULCSA ratings  full-load current (FLA) for 3-phase AC motor at 480 V rated value at 800 V rated value at 800 V rated value bo A bo A contact rating of auxiliary contacts according to UL  B600 / R300  Short-circuit protection  design of the fuse link bo for short-circuit protection of the main circuit with type of coordination 1 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 fustalization mounting dimensions  mounting position fastening method fastening method fastening method full for mm  depth  Connections/ Terminals  product component removable terminal for auxiliary and control circuit type of electrical connection for auxiliary and control circuit for auxiliary and control circuit screw-type terminals  reproduct component removable terminal for auxiliary and control circuit screw-type terminals  reproduct component removable terminal for auxiliary and control circuit for auxiliary and control circuit screw-type terminals  screw-type terminals  reproduct component removable terminal for auxiliary and control circuit for auxiliary and control circuit for auxiliary contacts  for auxiliary contacts  for auxiliary contacts  for for auxiliary contacts  for AWG cables for auxiliary con		
• at 220 V 0.11 A  Protective and monitoring functions  trip class design of the overload release electronic  ULCSA ratings  full-load current (FLA) for 3-phase AC motor • at 480 V rated value 50 A • at 600 V rated value 50 A contact rating of auxiliary contacts according to UL  Short-circuit protection  design of the fuse link • for short-circuit protection of the main circuit — with type of assignment 2 required growth fuse gG: 200 A — with type of assignment 2 required with year of coordination 1 required gas and-alone installation  Installation/mounting/dimensions  mounting position any fastening method stand-alone installation Height 106 mm  width 70 mm  depth 124 mm  Connections/Terminals  product component removable terminal for auxiliary and control circuit • for auxiliary and control circuit  straight-through transformers  • for auxiliary and control circuit  straight-through transformers • for auxiliary and control circuit  straight-through transformers • for auxiliary contacts • for auxiliary contacts • for auxiliary contacts • for auxiliary contacts • for AWC cables for auxiliary contacts • for AW		
Protective and monitoring functions  trip class CLASS 10E design of the overload release electronic  UL/CSA retings  full-load current (FLA) for 3-phase AC motor		
trip class design of the overload release electronic    International Comment (FLA) for 3-phase AC motor   at 480 V rated value   50 A     at 480 V rated value   50 A     contact rating of auxiliary contacts according to UL   8800 / R300		0.11 A
design of the overload release  ULCSA ratings  full-load current (FLA) for 3-phase AC motor  at 480 V rated value be at 600 V rated value be at 600 V rated value  contact rating of auxiliary contacts according to UL  B600 / R300  Short-circuit protection  design of the fuse link for short-circuit protection of the main circuit  with type of coordination 1 required for short-circuit protection of the auxiliary switch required for short-circuit protection of the auxiliary switch required fuse gG: 200 A for short-circuit protection of the auxiliary switch required fuse linkstallation/ mounting/dimensions  mounting position fastening method fastening method full-full-full-full-full-full-full-full	Protective and monitoring functions	
full-oad current (FLA) for 3-phase AC motor  • at 480 V rated value 50 A  • at 600 V rated value 50 A  contact rating of auxiliary contacts according to UL 8600 / R300  Short-circuit protection  design of the fuse link  • for short-circuit protection of the main circuit  — with type of coordination 1 required gc; 200 A  • for short-circuit protection of the auxiliary switch required fuse gc; 200 A  • for short-circuit protection of the auxiliary switch required fuse gc; 200 A  • for short-circuit protection of the auxiliary switch required fuse gc; 200 A  • for short-circuit protection of the auxiliary switch required fuse gc; 200 A  • for short-circuit protection of the auxiliary switch required fuse gc; 200 A  • for short-circuit protection of the auxiliary switch required fuse gc; 200 A  • fastening method stand-alone installation  • for mm  • for mm  • for for min current circuit straight-through transformers  • for auxiliary and control circuit straight-through transformers  • for auxiliary and control circuit screw-type terminals  • for auxiliary contacts  • for AWG cables for auxiliary contacts  • for AWG cables for auxiliary contacts  • for AWG cables for auxiliary contacts  • for auxiliary contacts with screw-type terminals  • for auxiliary contacts with screw-ty	trip class	CLASS 10E
full-load current (FLA) for 3-phase AC motor		electronic
at 480 V rated value at 800 V rated value book A at 800 V rated value contact rating of auxiliary contacts according to UL  8800 / R300  8800 / R30	UL/CSA ratings	
• at 600 V rated value  contact rating of auxiliary contacts according to UL  B600 / R300  Short-circuit protection  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 multing filmensions  mounting position  any  fastening method  height  106 mm  vidth  406 mm  Connections/ Terminals  product component removable terminal for auxiliary and control circuit  type of electrical connection  • for main current circuit  • for for auxiliary and control circuit  arrangement of electrical connectors for main current circuit  - for auxiliary and control circuit  • for auxiliary and control circuit  - solid  - solid  - solid  - solid or stranded  - finely stranded with core end processing  • for AWG cables for auxiliary contacts  • for auxiliary contacts with screw-type terminals  0 8 1.2 N·m	full-load current (FLA) for 3-phase AC motor	
contact rating of auxiliary contacts according to UL  Short-circuit protection  design of the fuse link  • for short-circuit protection of the main circuit  — with type of coordination 1 required gG: 200 A for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions  mounting position fastening method stand-alone installation height 106 mm width 70 mm depth 124 mm  Connections/ Terminals  product component removable terminal for auxiliary and control circuit streagement of electrical connection  • for auxiliary and control circuit screw-type terminals  • for auxiliary contacts  — solid 1x (0.5 4 mm²), 2x (0.5 2.5 mm²)  • for AWG cables for auxiliary contacts  • for AWG cables for auxiliary contacts with screw-type terminals  • for AWG cables for auxiliary contacts with screw-type terminals  • for auxiliary contacts with screw-type terminals	at 480 V rated value	50 A
Short-circuit protection  design of the fuse link	at 600 V rated value	50 A
design of the fuse link  • for short-circuit protection of the main circuit  — with type of assignment 2 required gG: 200 A fuse gG: 6 A  Installation/ mounting/ dimensions  mounting position fastening method height 106 mm width 70 mm depth 2124 mm  Connections/ Terminals  product component removable terminal for auxiliary and control circuit  type of electrical connection • for auxiliary and control circuit  arrangement of electrical connectors for main current circuit  type of connectable conductor cross-sections • for auxiliary contacts — solid — solid or stranded — finely stranded with core end processing • for AWG cables for auxiliary contacts with screw-type terminals  tightening torque • for auxiliary contacts with screw-type terminals  tightening torque • for auxiliary contacts with screw-type terminals  0.8 1.2 N·m		B600 / R300
• 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  Installation/mounting/dimensions  mounting position any fastening method stand-alone installation height 106 mm width 70 mm depth 214 mm  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 auxiliary contacts  — solid — solid or stranded — finely stranded with core end processing • for AWG cables for auxiliary contacts  tightning torque • for auxiliary contacts with screw-type terminals  0.8 1.2 N·m	Short-circuit protection	
- with type of coordination 1 required - with type of assignment 2 required of or short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions  mounting position any fastening method height 106 mm width 70 mm depth 70 mm depth  Connections/ Terminals  product component removable terminal for auxiliary and control circuit type of electrical connection of for main current circuit of or auxiliary and control circuit type of connectable conductor cross-sections of or auxiliary contacts - solid - solid or stranded - finely stranded with core end processing of or AWG cables for auxiliary contacts of the survival auxiliary contacts of or auxiliary contacts with screw-type terminals  type of auxiliary contacts with screw-type terminals  1 x (0.5 4 mm²), 2x (0.5 2.5 mm²) - (or AWG cables for auxiliary contacts - (or auxiliary contacts) - (or AWG cables for auxiliary contacts - (or AWG cables for auxiliary contacts - (or auxiliary contacts) - (or AWG cables for auxiliary contacts - (or auxiliary contacts with screw-type terminals	•	
- with type of assignment 2 required for short-circuit protection of the auxiliary switch required fuse gG: 6 A  Installation/ mounting/ dimensions  mounting position fastening method height 106 mm width 70 mm depth 124 mm  Connections/ Terminals  product component removable terminal for auxiliary and control circuit type of electrical connection • for main current circuit • for auxiliary and control circuit type of connectable conductor cross-sections • for auxiliary contacts - solid - solid or stranded - finely stranded with core end processing • for AWG cables for auxiliary contacts  • for auxiliary contacts with screw-type terminals  type to new type terminals  1 x (0.5 4 mm²), 2x (0.5 2.5 mm²) - (or AWG cables for auxiliary contacts - (or auxiliary contacts - (or AWG cables for auxiliary contacts - (or AWG cables for auxiliary contacts - (or AWG cables for auxiliary contacts - (or auxiliary contacts with screw-type terminals  1 x (0.5 4 m²), 2x (0.5 2.5 mm²) - (or AWG cables for auxiliary contacts - (or auxiliary contacts with screw-type terminals		
• for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions  mounting position fastening method stand-alone installation height 106 mm width 70 mm depth 124 mm  Connections/ Terminals  product component removable terminal for auxiliary and control circuit type of electrical connection • for auxiliary and control circuit arrangement of electrical connectors for main current circuit type of connectable conductor cross-sections • for auxiliary contacts — solid — solid of stranded — solid of stranded — finely stranded with core end processing • for AWG cables for auxiliary contacts  tightening torque • for auxiliary contacts with screw-type terminals  106 mm  400 mm	· · · · · · · · · · · · · · · · · · ·	gG: 200 A
mounting position any fastening method stand-alone installation height 106 mm width 70 mm depth 124 mm  Connections/ Terminals  product component removable terminal for auxiliary and control circuit  type of electrical connection		
mounting position fastening method stand-alone installation  height 106 mm 70 mm  depth 124 mm  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 auxiliary contacts  - solid - solid or stranded - finely stranded with core end processing • for AWG cables for auxiliary contacts  • for auxiliary contacts with screw-type terminals  106 mm 70 m		fuse gG: 6 A
fastening method  height  106 mm  width  70 mm  depth  124 mm  Connections/ Terminals  product component removable terminal for auxiliary and control circuit  type of electrical connection  • for auxiliary and control circuit  straight-through transformers  • for auxiliary and control circuit  arrangement of electrical connectors for main current circuit  type of connectable conductor cross-sections  • for auxiliary contacts  - solid - solid or stranded - finely stranded with core end processing • for AWG cables for auxiliary contacts  • for auxiliary contacts with screw-type terminals  0.8 1.2 N·m		
height 106 mm  width 70 mm  depth 124 mm  Connections/ Terminals  product component removable terminal for auxiliary and control circuit  type of electrical connection  • for main current circuit straight-through transformers  • for auxiliary and control circuit screw-type terminals  arrangement of electrical connectors for main current circuit  type of connectable conductor cross-sections  • for auxiliary contacts  - solid 1x (0.5 4 mm²), 2x (0.5 2.5 mm²)  - solid or stranded 1x (0.5 4 mm²), 2x (0.5 2.5 mm²)  - finely stranded with core end processing 1x (0.5 2.5 mm²), 2x (0.5 1.5 mm²)  • for AWG cables for auxiliary contacts  • for auxiliary contacts with screw-type terminals	mounting position	any
width 70 mm  depth 124 mm  Connections/ Terminals  product component removable terminal for auxiliary and control circuit  type of electrical connection  • for main current circuit straight-through transformers • for auxiliary and control circuit screw-type terminals  arrangement of electrical connectors for main current circuit  type of connectable conductor cross-sections • for auxiliary contacts  - solid 1x (0.5 4 mm²), 2x (0.5 2.5 mm²)  - solid or stranded 1x (0.5 4 mm²), 2x (0.5 2,5 mm²)  - finely stranded with core end processing 1x (0.5 2.5 mm²), 2x (0.5 1.5 mm²)  • for AWG cables for auxiliary contacts  tightening torque • for auxiliary contacts with screw-type terminals  0.8 1.2 N·m	fastening method	stand-alone installation
depth 124 mm  Connections/ Terminals  product component removable terminal for auxiliary and control circuit  type of electrical connection  • for main current circuit straight-through transformers  • for auxiliary and control circuit screw-type terminals  arrangement of electrical connectors for main current circuit  type of connectable conductor cross-sections  • for auxiliary contacts  — solid 1x (0.5 4 mm²), 2x (0.5 2.5 mm²)  — solid or stranded 1x (0.5 4 mm²), 2x (0.5 2.5 mm²)  — finely stranded with core end processing 1x (0.5 2.5 mm²), 2x (0.5 1.5 mm²)  • for AWG cables for auxiliary contacts  tightening torque  • for auxiliary contacts with screw-type terminals 0.8 1.2 N·m		
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 auxiliary contacts  — solid — solid or stranded — solid or stranded with core end processing • for AWG cables for auxiliary contacts  • for auxiliary contacts  0.8 1.2 N·m	width	
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 auxiliary contacts  — solid  — solid or stranded — finely stranded with core end processing • for AWG cables for auxiliary contacts  • for auxiliary contacts with screw-type terminals  0.8 1.2 N·m	·	124 mm
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 auxiliary contacts  — solid — solid or stranded — finely stranded with core end processing • for AWG cables for auxiliary contacts  type of conducts with screw-type terminals  0.8 1.2 N·m	Connections/ Terminals	
<ul> <li>for main current circuit</li> <li>for auxiliary and control circuit</li> <li>arrangement of electrical connectors for main current circuit</li> <li>type of connectable conductor cross-sections</li> <li>for auxiliary contacts</li> <li>solid</li> <li>solid or stranded</li> <li>finely stranded with core end processing</li> <li>for AWG cables for auxiliary contacts</li> <li>tightening torque</li> <li>for auxiliary contacts with screw-type terminals</li> <li>straight-through transformers</li> <li>screw-type terminals</li> <li>Top and bottom</li> <li>Top and bottom</li> <li>1x (0.5 4 mm²), 2x (0.5 2.5 mm²)</li> <li>1x (0.5 4 mm²), 2x (0.5 2.5 mm²)</li> <li>1x (0.5 4 mm²), 2x (0.5 2.5 mm²)</li> <li>2x (20 14)</li> </ul>		Yes
<ul> <li>for auxiliary and control circuit</li> <li>arrangement of electrical connectors for main current circuit</li> <li>type of connectable conductor cross-sections         <ul> <li>for auxiliary contacts</li> <li>— solid</li> <li>— solid or stranded</li> <li>— finely stranded with core end processing</li> <li>for AWG cables for auxiliary contacts</li> </ul> </li> <li>tightening torque</li> <li>for auxiliary contacts with screw-type terminals</li> <li>screw-type terminals</li> <li>Top and bottom</li> </ul> <li>Top and bottom</li> <li>1x (0.5 4 mm²), 2x (0.5 2.5 mm²)</li> <li>1x (0.5 4 mm²), 2x (0.5 2.5 mm²)</li> <li>1x (0.5 2.5 mm²), 2x (0.5 1.5 mm²)</li> <li>2x (20 14)</li>	type of electrical connection	
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type of connectable conductor cross-sections  • for auxiliary contacts  — solid — solid or stranded — solid or stranded — finely stranded with core end processing • for AWG cables for auxiliary contacts  • for auxiliary contacts with screw-type terminals  0.8 1.2 N·m	for auxiliary and control circuit	screw-type terminals
<ul> <li>for auxiliary contacts</li> <li>— solid</li> <li>— solid or stranded</li> <li>— finely stranded with core end processing</li> <li>for AWG cables for auxiliary contacts</li> <li>tightening torque</li> <li>for auxiliary contacts with screw-type terminals</li> <li>1x (0.5 4 mm²), 2x (0.5 2.5 mm²)</li> <li>1x (0.5 2.5 mm²), 2x (0.5 1.5 mm²)</li> <li>2x (20 14)</li> </ul>		Top and bottom
— solid       1x (0.5 4 mm²), 2x (0.5 2.5 mm²)         — solid or stranded       1x (0,5 4 mm²), 2x (0,5 2,5 mm²)         — finely stranded with core end processing       1x (0.5 2.5 mm²), 2x (0.5 1.5 mm²)         • for AWG cables for auxiliary contacts       2x (20 14)         tightening torque       0.8 1.2 N⋅m	type of connectable conductor cross-sections	
<ul> <li>— solid or stranded</li> <li>— finely stranded with core end processing</li> <li>● for AWG cables for auxiliary contacts</li> <li>■ for auxiliary contacts with screw-type terminals</li> <li>1x (0,5 4 mm²), 2x (0,5 2,5 mm²)</li> <li>2x (20 14)</li> <li>tightening torque</li> <li>● for auxiliary contacts with screw-type terminals</li> <li>0.8 1.2 N·m</li> </ul>	<ul> <li>for auxiliary contacts</li> </ul>	
<ul> <li>— finely stranded with core end processing</li> <li>for AWG cables for auxiliary contacts</li> <li>tightening torque</li> <li>for auxiliary contacts with screw-type terminals</li> <li>1x (0.5 2.5 mm²), 2x (0.5 1.5 mm²)</li> <li>2x (20 14)</li> <li>tightening torque</li> <li>for auxiliary contacts with screw-type terminals</li> <li>0.8 1.2 N·m</li> </ul>	— solid	1x (0.5 4 mm²), 2x (0.5 2.5 mm²)
for AWG cables for auxiliary contacts     2x (20 14)  tightening torque     for auxiliary contacts with screw-type terminals     0.8 1.2 N·m	<ul><li>— solid or stranded</li></ul>	1x (0,5 4 mm²), 2x (0,5 2,5 mm²)
tightening torque  ● for auxiliary contacts with screw-type terminals  0.8 1.2 N·m	<ul> <li>finely stranded with core end processing</li> </ul>	1x (0.5 2.5 mm²), 2x (0.5 1.5 mm²)
• for auxiliary contacts with screw-type terminals 0.8 1.2 N·m	<ul> <li>for AWG cables for auxiliary contacts</li> </ul>	2x (20 14)
· · · · · · · · · · · · · · · · · · ·	tightening torque	
design of screwdriver shaft Diameter 5 to 6 mm	• for auxiliary contacts with screw-type terminals	0.8 1.2 N·m
	design of screwdriver shaft	Diameter 5 to 6 mm

size of the screwdriver tip	Pozidriv PZ 2
design of the thread of the connection screw	
<ul> <li>of the auxiliary and control contacts</li> </ul>	M3
Electrical Safety	
protection class IP on the front according to IEC 60529	IP20
touch protection on the front according to IEC 60529	finger-safe, for vertical contact from the front
Communication/ Protocol	
type of voltage supply via input/output link master	No
Electromagnetic compatibility	
conducted interference	
<ul> <li>due to burst according to IEC 61000-4-4</li> </ul>	2 kV (power ports), 1 kV (signal ports) corresponds to degree of severity 3
<ul> <li>due to conductor-earth surge according to IEC 61000-4-5</li> </ul>	2 kV (line to earth) corresponds to degree of severity 3
<ul> <li>due to conductor-conductor surge according to IEC 61000-4-5</li> </ul>	1 kV (line to line) corresponds to degree of severity 3
<ul> <li>due to high-frequency radiation according to IEC 61000- 4-6</li> </ul>	10 V in frequency range 0.15 to 80 MHz, modulation 80 % AM with 1 kHz
field-based interference according to IEC 61000-4-3	10 V/m
electrostatic discharge according to IEC 61000-4-2	6 kV contact discharge / 8 kV air discharge
Display	
display version for switching status	Slide switch
Approvals Certificates	

**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=3RB3046-1UW1

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RB3046-1UW1

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

https://support.industry.siemens.com/cs/ww/en/ps/3RB3046-1UW1

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

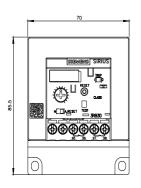
http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RB3046-1UW1&lang=en

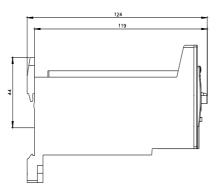
Characteristic: Tripping characteristics, I2t, Let-through current

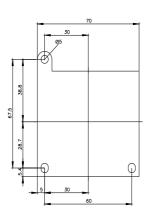
https://support.industry.siemens.com/cs/ww/en/ps/3RB3046-1UW1/char

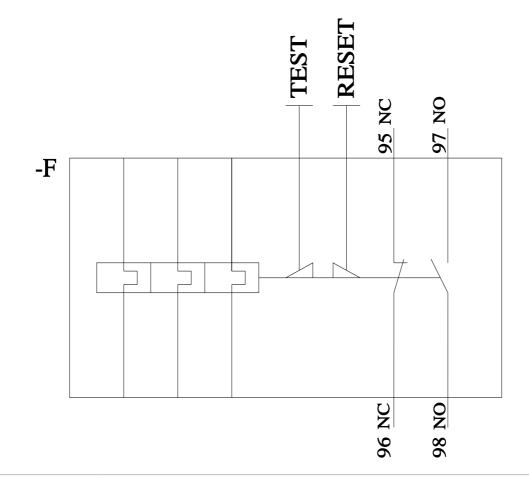
Further characteristics (e.g. electrical endurance, switching frequency)

http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RB3046-1UW1&objecttype=14&gridview=view1









last modified: 3/11/2024 🖸

