SIEMENS

Data sheet 3RB3143-4XW1



Overload relay 32...115 A Electronic For motor protection Size S3, Class 5E...30E 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	0.6 W
• per pole	0.2 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	
 between auxiliary and auxiliary circuit 	300 V
 between auxiliary and auxiliary circuit 	300 V
 between main and auxiliary circuit 	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
vibration resistance	1-6 Hz, 15 mm; 6-500 Hz, 20 m/s ² ; 10 cycles
thermal current	115 A
type of protection according to ATEX directive 2014/34/EU	Ex II (2) G [Ex e] [Ex d] [Ex px] ; Ex II (2) D [Ex t] [Ex p]
certificate of suitability according to ATEX directive 2014/34/EU	PTB 09 ATEX 3001
reference code according to IEC 81346-2	F
Substance Prohibitance (Date)	03/01/2017
Ambient conditions	
installation altitude at height above sea level maximum	2 000 m
ambient temperature	
 during operation 	-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	32 115 A
operating voltage	
• rated value	1 000 V
 for remote-reset function at DC 	24 V
 at AC-3e rated value maximum 	1 000 V

operating frequency rated value	50 60 Hz
operating frequency rated value operational current rated value	50 60 HZ 115 A
operational current rated value operational current at AC-3e at 400 V rated value	115 A
	ΠΙΛ
operating power	10 5 55 1/1/1
• 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	interested.
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 5E, 10E, 20E and 30E adjustable
design of the overload release	electronic
response value current of the grounding protection minimum	0.75 x IMotor
response time of the grounding protection in settled state	1 000 ms
operating range of the grounding protection relating to current set value	
• minimum	IMotor > lower current setting value
maximum	IMotor < upper current setting value x 3.5
UL/CSA ratings	
full-load current (FLA) for 3-phase AC motor	
• at 480 V rated value	115 A
at COO V rated velve	
at 600 V rated value	115 A
at 600 V rated value contact rating of auxiliary contacts according to UL	115 A B600 / R300
contact rating of auxiliary contacts according to UL	
contact rating of auxiliary contacts according to UL Short-circuit protection	
contact rating of auxiliary contacts according to UL Short-circuit protection design of the fuse link	
contact rating of auxiliary contacts according to UL Short-circuit protection design of the fuse link • for short-circuit protection of the main circuit	B600 / R300
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	B600 / R300 gG: 315 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 coordination 1 required — with type of assignment 2 required	gG: 315 A gG: 315 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 coordination 1 required — with type of assignment 2 required • for short-circuit protection of the auxiliary switch required	gG: 315 A gG: 315 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 coordination 1 required — with type of assignment 2 required • for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions	gG: 315 A gG: 315 A fuse gG: 6 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 coordination 1 required — with type of assignment 2 required • for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions mounting position	gG: 315 A gG: 315 A fuse gG: 6 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 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	gG: 315 A gG: 315 A fuse gG: 6 A any stand-alone installation
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	gG: 315 A gG: 315 A fuse gG: 6 A any stand-alone installation 106 mm
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	gG: 315 A gG: 315 A fuse gG: 6 A any stand-alone installation 106 mm 70 mm
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	gG: 315 A gG: 315 A fuse gG: 6 A any stand-alone installation 106 mm 70 mm
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	gG: 315 A gG: 315 A fuse gG: 6 A any stand-alone installation 106 mm 70 mm 124 mm
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	gG: 315 A gG: 315 A fuse gG: 6 A any stand-alone installation 106 mm 70 mm 124 mm
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	gG: 315 A gG: 315 A fuse gG: 6 A any stand-alone installation 106 mm 70 mm 124 mm Yes straight-through transformers
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	gG: 315 A gG: 315 A fuse gG: 6 A any stand-alone installation 106 mm 70 mm 124 mm
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	gG: 315 A gG: 315 A fuse gG: 6 A any stand-alone installation 106 mm 70 mm 124 mm Yes straight-through transformers screw-type terminals

• for auxiliary contacts — solid — solid or stranded — solid or stranded — finely stranded with core end processing • for AWG cables for auxiliary contacts • for AWG cables for auxiliary contacts 2x (20 14) tightening torque • for auxiliary contacts with screw-type terminals • for awdilary contacts with screw-type terminals • for the auxiliary and control contacts • for the auxiliary and control contacts • for the auxiliary and control contacts • for awdilary contacts • for the auxiliary and control to for mm • for awdilary and co					
- solid or stranded - finely stranded with core end processing • for AWG cables for auxiliary contacts 2x (20 14) tightening torque • 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 • of the auxiliary and control contacts M3 Safety related data 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 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 61000-4-3 • 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 • 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 • 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 • due to high-frequency radiation according to IEC 61000-4-3 • due to solidation frequency radiation according to IEC 61000-4-3 • due to high-frequency radiation according to IEC 61000-4-3 • due to solidation frequency radiation according to IEC 61000-4-3 • due to solidation frequency radiation according to IEC 61000-4-3 • due to solidation frequency radiation frequency radiation frequency radiation for switching status Slide switch	 for auxiliary contacts 				
- finely stranded with core end processing • for AWG cables for auxiliary contacts 2x (20 14) tightening torque • for auxiliary contacts with screw-type terminals design of screwdriver shaft size of the screwdriver tip design of the thread of the connection screw • of the auxiliary and control contacts M3 Safety related data 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 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 ingh-frequency radiation according to IEC 61000-4-6 • due to high-frequency radiation according to IEC 61000-4-3 • due to ingh-frequency radiation according to IEC 61000-4-3 • due to screen according to IEC 61000-4-2 • due	— solid	1x (0.5 4 mm²), 2x (0.5 2.5 mm²)			
tightening torque or auxiliary contacts with screw-type terminals design of screwdriver shaft Diameter 5 to 6 mm size of the screwdriver tip design of the thread of the connection screw of the auxiliary and control contacts M3 Safety related data 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 of due to burst according to IEC 61000-4-4 of due to conductor-conductor 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 field-based interference according to IEC 61000-4-2 Display display version for switching status Slide switch Certificates/approvals	 — solid or stranded 	1x (0,5 4 mm²), 2x (0,5 2,5 mm²)			
tightening torque • for auxiliary contacts with screw-type terminals design of screwdriver shaft size of the screwdriver tip design of the thread of the connection screw • of the auxiliary and control contacts M3 Safety related data 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 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 4-6 electrostatic discharge according to IEC 61000-4-2 block of the auxiliary contacts with screw-type terminals 0.8 1.2 N·m Diameter 5 to 6 mm Pozidriv PZ 2 M3 Safety related data P20 IP20 finger-safe, for vertical contact from the front Communication/ Protocol 10 V (gignal ports) corresponds to degree of severity 3 1 kV (line to earth) 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 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	 finely stranded with core end processing 	1x (0.5 2.5 mm²), 2x (0.5 1.5 mm²)			
• for auxiliary contacts with screw-type terminals design of screwdriver shaft size of the screwdriver tip design of the thread of the connection screw • of the auxiliary and control contacts M3 Safety related data 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-conductor surge according to IEC 61000-4-5 • due to conductor-conductor surge 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 • due to high-frequency radiation according to IEC 61000-4-3 • dectrostatic discharge according to IEC 61000-4-2 Display display version for switching status O.8 1.2 N·m Diameter 5 to 6 mm Pozidriv PZ 2 M3 A3 A3 BY20 IP20 finger-safe, for vertical contact from the front No Electromagnetic compatibility No Electromagnetic compatibility 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 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 Silde switch Certificates/ approvals	 for AWG cables for auxiliary contacts 	2x (20 14)			
design of screwdriver shaft size of the screwdriver tip Pozidriv PZ 2 design of the thread of the connection screw of the auxiliary and control contacts M3 Safety related data 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 to high-frequency radiation according to IEC 61000-4-6 due to high-frequency radiation according to IEC 61000-4-5 edue to high-frequency radiation according to IEC 61000-4-6 due to high-frequency radiation according to IEC 61000-4-8 electrostatic discharge according to IEC 61000-4-2 block display version for switching status Slide switch Certificates/ approvals	tightening torque				
size of the screwdriver tip design of the thread of the connection screw of the auxiliary and control contacts M3 Safety related data 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 of due to burst according to IEC 61000-4-4 2 kV (power ports), 1 kV (signal ports) corresponds to degree of severity 3 of due to conductor-conductor surge according to IEC 61000-4-5 4 kV (line to earth) corresponds to degree of severity 3 of due to high-frequency radiation according to IEC 61000-4-6 10 V in frequency range 0.15 to 80 MHz, modulation 80 % AM with 1 kHz electrostatic discharge according to IEC 61000-4-2 6 kV contact discharge / 8 kV air discharge Display display version for switching status Slide switch Certificates/ approvals	 for auxiliary contacts with screw-type terminals 	0.8 1.2 N·m			
design of the thread of the connection screw	design of screwdriver shaft	Diameter 5 to 6 mm			
of the auxiliary and control contacts Safety related data 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 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 M3 M3 M3 IP20 Field-based interferent according to IEC 60529 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 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 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) cor	size of the screwdriver tip	Pozidriv PZ 2			
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 61000-4-5 • due to conductor-earth surge according to IEC 61000-4-5 • due to conductor surge according to IEC 61000-4-5 • due to high-frequency radiation according to IEC 61000-4-3 4-6 field-based interference according to IEC 61000-4-2 Display display version for switching status IP20 IP20 finger-safe, for vertical contact from the front No Electromagnetic compatibility 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 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 contact discharge / 8 kV air discharge Display display version for switching status Slide switch Certificates/ approvals	design of the thread of the connection screw				
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 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	 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 • 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 10 Vin (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 61000-4-2 6 kV contact discharge / 8 kV air discharge Display display version for switching status Slide switch Certificates/ approvals	Safety related data				
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 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 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 Slide switch Certificates/ approvals	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 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 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 Slide switch Certificates/ approvals	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 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 61000-4-8 • due to high-frequency radiation according to IEC 61000-4-8 • due to high-frequency radiation according to IEC 61000-4-8 • due to conductor-conductor surge according to IEC 61000-4-5 • 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 61000-4-8 • 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 61000-4-8 • 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 61000-4-8 • 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 61000-4-8 • 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	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 electrostatic 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 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 /m 	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 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 10 V in frequency range 0.15 to 80 MHz, modulation 80 % AM with 1 kHz 4 kV contact discharge / 8 kV air discharge Slide switch 	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 display version for switching status 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 conductor-earth surge according to IEC 61000-4-5 	2 kV (line to earth) corresponds to degree of severity 3			
4-6 field-based interference according to IEC 61000-4-3 electrostatic discharge according to IEC 61000-4-2 bisplay display version for switching status Certificates/ approvals		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 Certificates/ approvals		10 V in frequency range 0.15 to 80 MHz, modulation 80 % AM with 1 kHz			
Display display version for switching status Certificates/ approvals	field-based interference according to IEC 61000-4-3	10 V/m			
display version for switching status Certificates/ approvals Slide switch	electrostatic discharge according to IEC 61000-4-2	6 kV contact discharge / 8 kV air discharge			
Certificates/ approvals	Display				
	display version for switching status	Slide switch			
General Product Approval EMC	Certificates/ approvals				
	General Product Approval		EMC		





Confirmation







For use in hazardous locations

Declaration of Conformity

Test Certificates

Marine / Shipping







Type Test Certificates/Test Report

Special Test Certificate



Marine / Shipping









Confirmation

other

Further information

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

 $\underline{\text{https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business}}$

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=3RB3143-4XW1

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RB3143-4XW1

Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3RB3143-4XW1

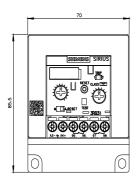
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax de.aspx?mlfb=3RB3143-4XW1&lang=en

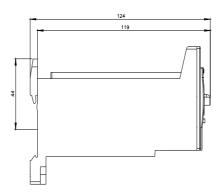
Characteristic: Tripping characteristics, I^2t , Let-through current

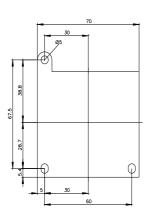
https://support.industry.siemens.com/cs/ww/en/ps/3RB3143-4XW1/char

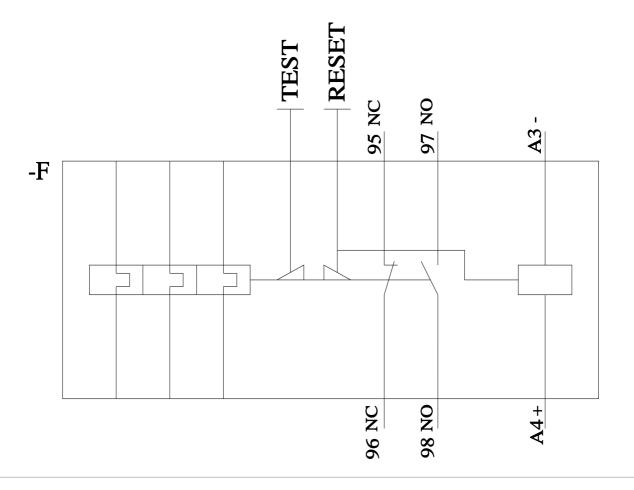
Further characteristics (e.g. electrical endurance, switching frequency)

http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RB3143-4XW1&objecttype=14&gridview=view1









last modified: 2/9/2022 🖸

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Siemens:

3RB31434XW1