4-6	
field-based interference according to IEC 61000-4-3	10 V/m
electrostatic discharge according to IEC 61000-4-2	4 kV contact discharge / 8 kV air discharge
conducted HF interference emissions according to CISPR11	Class B for domestic, business and commercial environments; Class A for industrial environments at 110 V DC
field-bound HF interference emission according to CISPR11	Class B for domestic, business and commercial environments; Class A for industrial environments at 110 V DC
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
Main circuit	
number of poles for main current circuit	3
design of the switching contact	Hybrid
design of the switching contact as NO contact for signaling function	OUT, electronic, 24 V DC, 15 mA
adjustable current response value current of the current-dependent overload release	1.6 ... 7 A
minimum load [%]	20 %; from set rated current
type of the motor protection	solid-state
operating voltage rated value	48 ... 500 V
relative symmetrical tolerance of the operating voltage	10 %
operating frequency 1 rated value	50 Hz
operating frequency 2 rated value	60 Hz
relative symmetrical tolerance of the operating frequency	10 %
operational current	
• at AC at 400 V rated value	7 A
• at AC-3 at 400 V rated value	7 A
• at AC-53a at 400 V at ambient temperature 40 °C rated value	7 A
ampacity when starting maximum	56 A
operating power for 3-phase motors at 400 V at 50 Hz	0.55 ... 3 kW
derating temperature	40 °C
Inputs/ Outputs	
input voltage at digital input	
• at DC rated value	110 V
• with signal <0> at DC	0 ... 40 V
• for signal <1> at DC	79 ... 121
input voltage at digital input	
• at AC rated value	110 V
• with signal <0> at AC	0 ... 40 V
• for signal <1> at AC	93 ... 253 V
input current at digital input	
• for signal <1> at DC	1.5 mA
• with signal <0> at DC	0.25 mA
input current at digital input with signal <0> at AC	
• at 110 V	0.2 mA
• at 230 V	0.4 mA
input current at digital input for signal <1> at AC	
• at 110 V	1.1 mA
• at 230 V	2.3 mA
number of CO contacts for auxiliary contacts	1
operational current of auxiliary contacts at AC-15 at 230 V maximum	3 A
operational current of auxiliary contacts at DC-13 at 24 V maximum	1 A
Control circuit/ Control	
type of voltage of the control supply voltage	AC/DC
control supply voltage at AC	
• at 50 Hz rated value	110 ... 230 V
• at 60 Hz rated value	110 ... 230 V
relative negative tolerance of the control supply voltage at AC at 60 Hz	15 %
relative positive tolerance of the control supply voltage at	10 %

AC at 60 Hz	
control supply voltage 1 at AC	
• at 50 Hz	110 ... 230 V
• at 60 Hz	110 ... 230 V
control supply voltage frequency	
• 1 rated value	50 Hz
• 2 rated value	60 Hz
relative negative tolerance of the control supply voltage at DC	15 %
relative positive tolerance of the control supply voltage at DC	10 %
control supply voltage 1 at DC rated value	110 V
operating range factor control supply voltage rated value at DC	
• initial value	0.85
• full-scale value	1.1
operating range factor control supply voltage rated value at AC at 50 Hz	
• initial value	0.85
• full-scale value	1.1
operating range factor control supply voltage rated value at AC at 60 Hz	
• initial value	0.85
• full-scale value	1.1
control current at AC	
• at 110 V in standby mode of operation	16 mA
• at 230 V in standby mode of operation	9 mA
• at 110 V when switching on	55 mA
• at 230 V when switching on	33 mA
• at 110 V during operation	36 mA
• at 230 V during operation	22 mA
control current at DC	
• in standby mode of operation	6 mA
• during operation	30 mA
inrush current peak	
• at AC at 110 V	1 200 mA
• at AC at 230 V	2 900 mA
• at AC at 110 V at switching on of motor	1 200 mA
• at AC at 230 V at switching on of motor	2 900 mA
duration of inrush current peak	
• at AC at 110 V	1 ms
• at AC at 230 V	1 ms
• at AC at 110 V at switching on of motor	1 ms
• at AC at 230 V at switching on of motor	1 ms
power loss [W] in auxiliary and control circuit	
• in switching state OFF	
— with bypass circuit	2.1 W
• in switching state ON	
— with bypass circuit	5.06 W
Response times	
ON-delay time	60 ... 90 ms
OFF-delay time	60 ... 90 ms
Power Electronics	
operational current	
• at 40 °C rated value	7 A
• at 50 °C rated value	6.1 A
• at 55 °C rated value	5.2 A
• at 60 °C rated value	4.6 A
Installation/ mounting/ dimensions	
mounting position	vertical, horizontal, standing (observe derating)
fastening method	screw and snap-on mounting onto 35 mm DIN rail
height	100 mm

width	22.5 mm
depth	141.6 mm
required spacing	
• with side-by-side mounting	
— forwards	0 mm
— backwards	0 mm
— upwards	50 mm
— downwards	50 mm
— at the side	0 mm
• for grounded parts	
— forwards	0 mm
— backwards	0 mm
— upwards	50 mm
— at the side	3.5 mm
— downwards	50 mm
Ambient conditions	
installation altitude at height above sea level maximum	4 000 m; For derating see manual
ambient temperature	
• during operation	-25 ... +60 °C
• during storage	-40 ... +70 °C
• during transport	-40 ... +70 °C
environmental category during operation according to IEC 60721	3K6 (no ice formation, only occasional condensation), 3C3 (no salt mist), 3S2 (sand must not get into the devices), 3M6
relative humidity during operation	10 ... 95 %
air pressure according to SN 31205	900 ... 1 060 hPa
Communication/ Protocol	
protocol is supported	
• PROFINET IO protocol	No
• PROFIsafe protocol	No
product function bus communication	No
protocol is supported AS-Interface protocol	No
Connections/ Terminals	
type of electrical connection	screw-type terminals for main circuit, screw-type terminals for control circuit
• for main current circuit	screw-type terminals
• for auxiliary and control circuit	screw-type terminals
wire length for motor unshielded maximum	100 m
type of connectable conductor cross-sections for main contacts	
• solid	1x (0,5 ... 4 mm²), 2x (0,5 ... 2,5 mm²)
• finely stranded with core end processing	1x (0,5 ... 4 mm²), 2x (0,5 ... 1,5 mm²)
connectable conductor cross-section for main contacts	
• solid or stranded	0.5 ... 4 mm²
• finely stranded with core end processing	0.5 ... 4 mm²
connectable conductor cross-section for auxiliary contacts	
• solid or stranded	0.5..... 2.5 mm²
• finely stranded with core end processing	0.5..... 2.5 mm²
type of connectable conductor cross-sections	
• for auxiliary contacts	
— solid	1x (0,5 ... 2,5 mm²), 2x (1,0 ..... 1,5 mm²)
— finely stranded with core end processing	1x (0.5 ... 2.5 mm²), 2x (0.5 ..... 1 mm²)
• for AWG cables for auxiliary contacts	1x (20 ... 14), 2x (18 ..... 16)
AWG number as coded connectable conductor cross section	
• for main contacts	20 ... 12
• for auxiliary contacts	20 ... 14
UL/CSA ratings	
yielded mechanical performance [hp]	
• for single-phase AC motor	
— at 110/120 V rated value	0.25 hp
— at 230 V rated value	0.5 hp
• for 3-phase AC motor	
— at 200/208 V rated value	1 hp

— at 220/230 V rated value	1.5 hp
— at 460/480 V rated value	3 hp
operating voltage at AC rated value	480 V
operational current at AC at 480 V according to UL 508	6.1 A

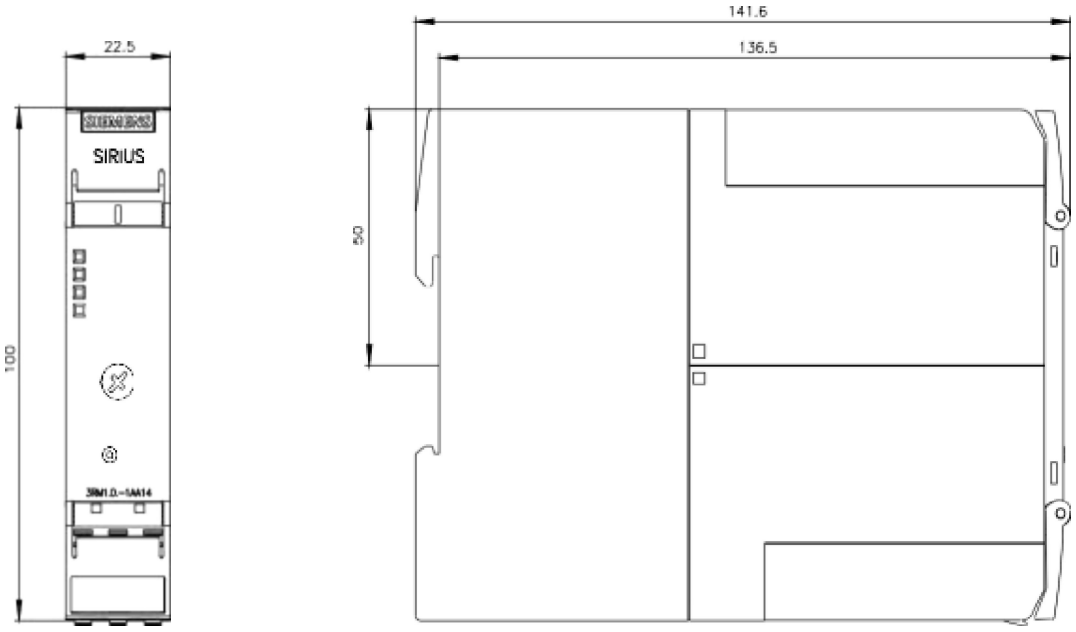
Certificates/ approvals

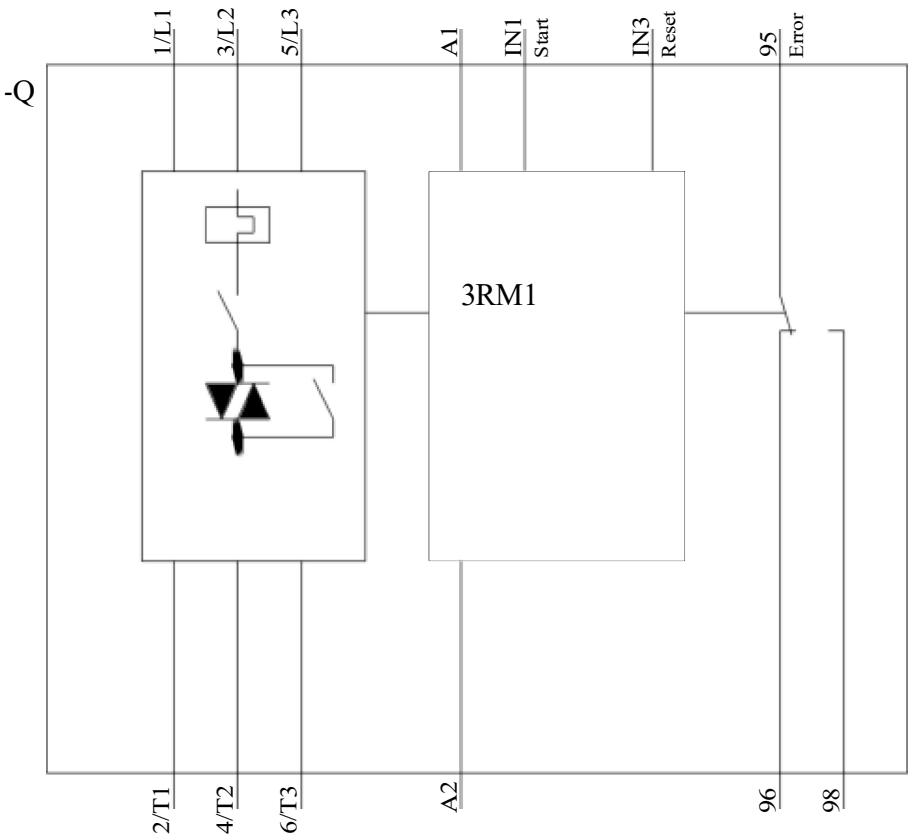
General Product Approval					EMC
	Confirmation				

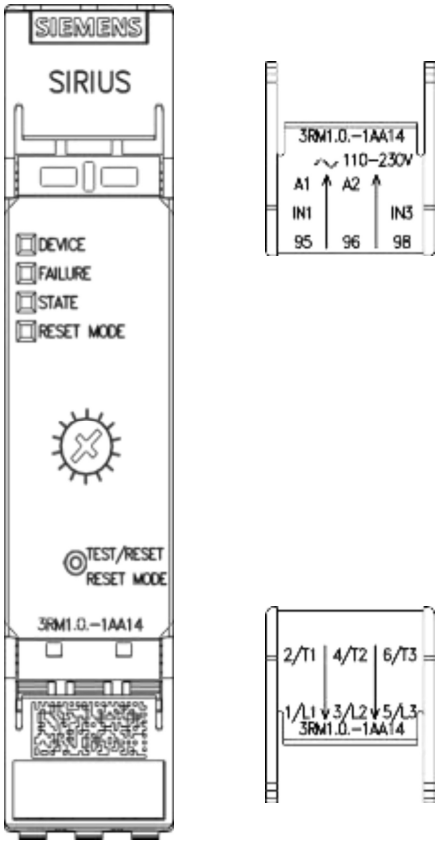
Declaration of Conformity		Test Certificates	other	Railway
		Type Test Certific-ates/Test Report	Confirmation	Special Test Certific-ate

Further information

Siemens has decided to exit the Russian market (see here).
https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business
Siemens is working on the renewal of the current EAC certificates.
Please contact your local Siemens office on the status of validity of the EAC certification if you intend to import or offer to supply these products to an EAC relevant market (other than the sanctioned EAEU member states Russia or Belarus).
Information on the packaging
https://support.industry.siemens.com/cs/ww/en/view/109813875
Information- and Downloadcenter (Catalogs, Brochures,…)
https://www.siemens.com/ic10
Industry Mall (Online ordering system)
https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RM1007-1AA14
Cax online generator
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RM1007-1AA14
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
https://support.industry.siemens.com/cs/ww/en/ps/3RM1007-1AA14
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RM1007-1AA14&lang=en







last modified: 8/15/2023

Data sheet 3ZY1311-0AA00

Push-in lugs for wall mounting of SIRIUS devices in industrial standard mounting rail enclosure

product brand name	SIRIUS
product category	Further accessories
product designation	Push-in lugs for wall mounting
design of the product	Two lugs are required per device
product type designation	3ZY1
General technical data	
Substance Prohibitance (Date)	03/01/2017
Weight	0.001 kg
Approvals Certificates	
General Product Approval	

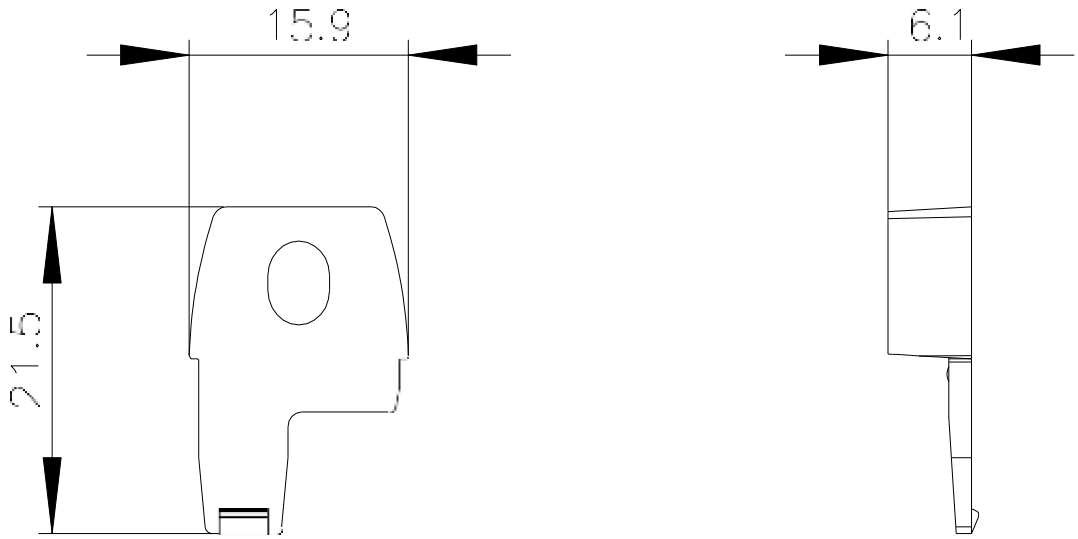
Test Certificates	Marine / Shipping
Type Test Certificates/Test Report	DNV, LRS, PRS, RINA, RMRS

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=3ZY1311-0AA00
Cax online generator
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3ZY1311-0AA00
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
https://support.industry.siemens.com/cs/ww/en/ps/3ZY1311-0AA00
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3ZY1311-0AA00&lang=en
Characteristic: Derating
https://support.industry.siemens.com/cs/ww/en/ps/3ZY1311-0AA00/manual



last modified: 2/22/2025

Data sheet 3ZY1440-1AA00

Coding pins for removable terminals of the SIRIUS devices in industrial standard mounting rail enclosure

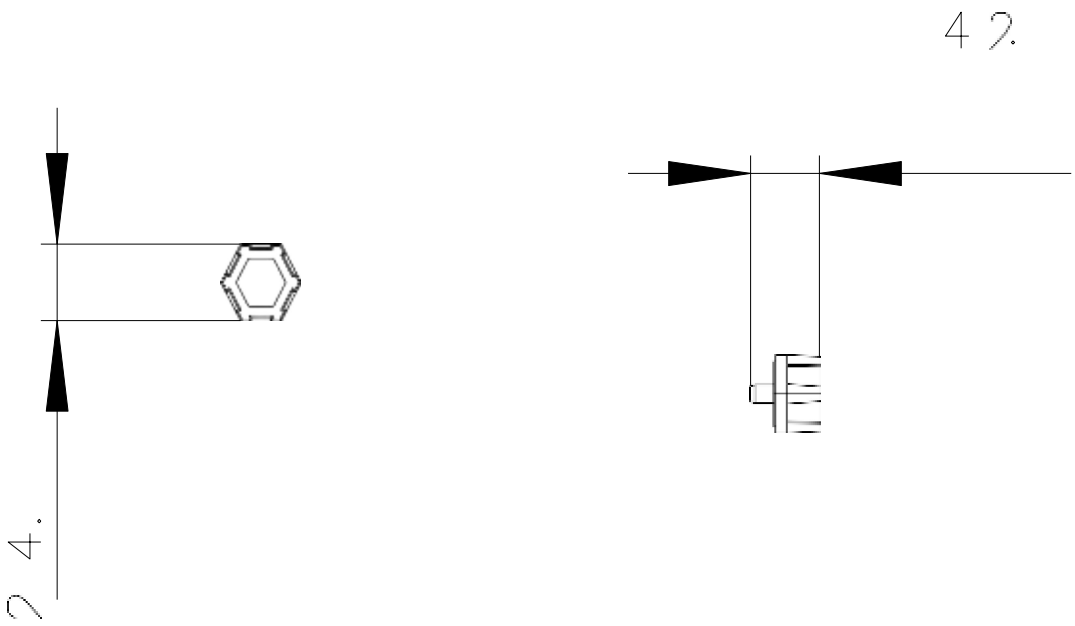
product brand name	SIRIUS
product category	Further accessories
product designation	Coding pins for removable terminals
design of the product	For mechanical coding of the terminals
product type designation	3ZY1
General technical data	
Substance Prohibitance (Date)	03/01/2017
Weight	0.277 g
Approvals Certificates	

General Product Approval					other
Confirmation					Miscellaneous

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=3ZY1440-1AA00
Cax online generator
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3ZY1440-1AA00
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
https://support.industry.siemens.com/cs/ww/en/ps/3ZY1440-1AA00
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3ZY1440-1AA00&lang=en
Characteristic: Derating
https://support.industry.siemens.com/cs/ww/en/ps/3ZY1440-1AA00/manual



last modified: 2/22/2025