SIEMENS

Data sheet 3RR2443-3AA40



Current monitoring relay for IO-Link, can be mounted to Contactor, 3RT2, Size S2 Apparant/active current monitoring 8-80 A, 20-400 Hz, 3-phase Supply voltage 24 V DC 1 change-over contact Monitoring for Current overshoot and undershoot Current asymmetry Phase failure, Cable break Phase sequence, Residual current Blocking current, Switching cycle and Operating hours counter Warning and alarm thresholds Auto-reset or manual reset ON delay 0-9999.9 s OFF delay 0-9999.9 s Reclosing delay 0-300 min spring-type connection system

size of contactor can be combined company-specific operating apparent power rated value insulation voltage for overvoltage category Ill according to IEC 60664 • with degree of pollution 3 rated value • with degree of pollution 3 rated value surge voltage resistance rated value consumed current at 24 V 90 mA protection class IP • on the front • of the terminal protection class IP • on the front • of the terminal shock resistance 10g / 11 ms mechanical service life (operating cycles) typical electrical endurance (operating cycles) at AC-15 at 230 V typical reference code according to IEC 81346-2 Krelative repeat accuracy 2 % Substance Prohibitance (Date) SVHC substance name SVHC substance name Blei - 7439-92-1 Bleimonoxid (Bleioxid) - 1317-36-8 2-thethyl-1-(4-methylthiophenyl)-2-morpho - 71868-10-5 Supply voltage type of voltage of the supply voltage supply voltage 1 at DC rated value 24 V relative negative tolerance of the supply voltage felative positive tolerance of the supply voltage 25 %	product brand name	SIRIUS
design of the product product type designation 3RR2 size of contactor can be combined company-specific operating apparent power rated value 2.5 VA insulation voltage for overvoltage category III according to IEC 60664 • with degree of pollution 3 rated value 6kV 90 mA	product designation	Monitoring relays
size of contactor can be combined company-specific S2 operating apparent power rated value 2.5 VA insulation voltage for overvoltage category ill according to IEC 60664 • with degree of pollution 3 rated value 690 V surge voltage resistance rated value 6 kV consumed current at 24 V 90 mA protection class IP • on the front • of the terminal IP20 shock resistance mechanical service life (operating cycles) typical 1000 000 electrical endurance (operating cycles) typical 1000 000 electrical endurance (operating cycles) at AC-15 at 230 V typical reference code according to IEC 81346-2 K substance Prohibitance (Date) 1000 000 SVHC substance name Biei - 7439-92-1 Bieimonoxid (Bieloxid) - 1317-36-8 Bieimonoxid (Bieloxid) - 1317-36-8 Bieimonoxid (Bieloxid) - 1317-36-8 Bieimonoxid (Bieloxid) - 25 % relative negative tolerance of the supply voltage 25 % relative negative tolerance of the supply voltage 25 % relative positive tolerance of the supply voltage 25 % relative positive tolerance of the supply voltage 25 % relative positive tolerance of the supply voltage 25 % relative positive tolerance of the supply voltage 36 sun 80 A • 1 • 1 • 1 • 1 • 2 8 adjustable current response value current • 1 • when slarting • with lower outper limit violation 0999.9 s • with lower outper limit violation 0999.9 s adjustable switching hysteresis for measured current value 016 A	· · · · · · · · · · · · · · · · · · ·	
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operating apparent power rated value insulation voltage for overvoltage category Ill according to IEC 60664 • with degree of pollution 3 rated value 690 V surge voltage resistance rated value 66 kV consumed current at 24 V 90 mA protection class IP • on the front 1P20 • of the terminal 1	General technical data	
insulation voltage for overvoltage category III according to IEC 60664 • with degree of pollution 3 rated value • over voltage resistance rated value consumed current at 24 V protection class IP • on the front • of the terminal shock resistance of the terminal shock resistance lectrical endurance (operating cycles) typical electrical endurance (operating cycles) typical electrical endurance (operating cycles) at AC-15 at 230 V typical electrical endurance (operating cycles) at AC-15 at 230 V typical electrical endurance (operating cycles) at AC-15 at 230 V typical electrical endurance (operating cycles) at AC-15 at 230 V typical electrical endurance (operating cycles) at AC-15 at 230 V typical electrical endurance (operating cycles) at AC-15 at 230 V typical electrical endurance (operating cycles) at AC-15 at 230 V typical electrical endurance (operating cycles) at AC-15 at 230 V typical electrical endurance (operating cycles) at AC-15 at 230 V typical electrical endurance (operating cycles) typical electrical endurance (operating cycles) typical electrical endurance (operating cycles) typical bleinoncoid (Bleioxid) - 1317-36-8 2-Methyl-1-(4-methylthiophenyl)-2-morpho - 71868-10-5 Exploy voltage type of voltage of the supply voltage poly voltage 1 at DC rated value 24 V relative negative tolerance of the supply voltage 25 % electrical endurance (operating cycles) typical electrical endurance (operating cycles) typical electrical endurance (operating cycles) typical poly voltage 1 at DC rated value 24 V relative positive tolerance of the supply voltage 25 % electrical endurance (operating cycles) typical electrical endurance (operating cycles) typical poly voltage 1 at DC rated value 25 % electrical endurance (operating cycles) typical electrical endurance (operating cycles) typica	size of contactor can be combined company-specific	S2
iEC 6664 • with degree of pollution 3 rated value • with degree of pollution 3 rated value consumed current at 24 V por machine the terminal propose of the terminal propo	operating apparent power rated value	2.5 VA
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protection class IP	surge voltage resistance rated value	6 kV
● on the front ● of the terminal P20 P00 P100 P100 P100 P100 P100 P100 P	consumed current at 24 V	90 mA
shock resistance 10g / 11 ms mechanical service life (operating cycles) typical 10 000 000 electrical endurance (operating cycles) at AC-15 at 230 V typical reference code according to IEC 81346-2 K relative repeat accuracy 2 % Substance Prohibitance (Date) 10/01/2009 SVHC substance name Blei - 7439-92-1 Blei - 7439-92-1 Bleimonoxid (Bleioxid) - 1317-36-8 2-Methyl-1-(4-methylthiophenyl)-2-morpho - 71868-10-5 Supply voltage type of voltage of the supply voltage DC supply voltage 1 at DC rated value 24 V relative negative tolerance of the supply voltage 25 % relative positive tolerance of the supply voltage 25 % relative positive tolerance of the supply voltage 25 % relative positive tolerance of the supply voltage 38 80 A adjustable current response value current - 1 • 1 • 2 adjustable response delay time • when starting • when starting • with lower or upper limit violation 0 999.9 s adjustable switching hysteresis for measured current value 0.2 16 A	protection class IP	
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reference code according to IEC 81346-2 K relative repeat accuracy 2 % Substance Prohibitance (Date) 10/01/2009 SVHC substance name Blei - 7439-92-1 Bleimonoxid (Bleioxid) - 1317-36-8 2-Methyl-1-(4-methylthiophenyl)-2-morpho - 71868-10-5 Supply voltage type of voltage of the supply voltage DC supply voltage 1 at DC rated value 24 V relative negative tolerance of the supply voltage 25 % relative positive tolerance of the supply voltage 25 % Veasuring circuit type of current for monitoring AC adjustable current response value current • 1 • 2 • 880 A adjustable response delay time • when starting • when starting • with lower or upper limit violation 0 999.9 s adjustable switching hysteresis for measured current value 0.2 16 A	mechanical service life (operating cycles) typical	10 000 000
relative repeat accuracy Substance Prohibitance (Date) SVHC substance name Blei - 7439-92-1 Bleimonoxid (Bleioxid) - 1317-36-8 2-Methyl-1-(4-methylthiophenyl)-2-morpho - 71868-10-5 Supply voltage type of voltage of the supply voltage supply voltage 1 at DC rated value relative negative tolerance of the supply voltage relative positive tolerance of the supply voltage 25 % relative positive tolerance of the supply voltage 25 % Measuring circuit type of current for monitoring AC adjustable current response value current • 1 • 2 8 80 A • 2 adjustable response delay time • when starting • when starting • with lower or upper limit violation adjustable switching hysteresis for measured current value 0 999.9 s adjustable switching hysteresis for measured current value		100 000
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Bleimonoxid (Bleioxid) - 1317-36-8 2-Methyl-1-(4-methylthiophenyl)-2-morpho - 71868-10-5 Supply voltage type of voltage of the supply voltage prelative negative tolerance of the supply voltage relative positive tolerance of the supply voltage 25 % relative positive tolerance of the supply voltage 25 % Measuring circuit type of current for monitoring AC adjustable current response value current 1	Substance Prohibitance (Date)	10/01/2009
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relative positive tolerance of the supply voltage Measuring circuit type of current for monitoring AC adjustable current response value current • 1 • 2 8 80 A • 2 8 80 A adjustable response delay time • when starting • with lower or upper limit violation adjustable switching hysteresis for measured current value 0 999.9 s adjustable switching hysteresis for measured current value 0 999.9 s	supply voltage 1 at DC rated value	24 V
type of current for monitoring adjustable current response value current 1 8 80 A 2 8 80 A adjustable response delay time when starting when starting with lower or upper limit violation adjustable switching hysteresis for measured current value 0.2 16 A	relative negative tolerance of the supply voltage	25 %
type of current for monitoring adjustable current response value current 1 8 80 A 2 8 80 A adjustable response delay time • when starting • with lower or upper limit violation adjustable switching hysteresis for measured current value 0.2 16 A	relative positive tolerance of the supply voltage	25 %
adjustable current response value current • 1 • 2 8 80 A • 2 adjustable response delay time • when starting • with lower or upper limit violation adjustable switching hysteresis for measured current value 0 999.9 s adjustable switching hysteresis for measured current value 0.2 16 A	Measuring circuit	
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8 80 A adjustable response delay time when starting with lower or upper limit violation adjustable switching hysteresis for measured current value 8 80 A 0 999.9 s 2 999.9 s 3 999.9 s	adjustable current response value current	
adjustable response delay time	• 1	8 80 A
 when starting with lower or upper limit violation adjustable switching hysteresis for measured current value 0 999.9 s adjustable switching hysteresis for measured current value 0.2 16 A 	• 2	8 80 A
◆ with lower or upper limit violation 0 999.9 s adjustable switching hysteresis for measured current value 0.2 16 A	adjustable response delay time	
adjustable switching hysteresis for measured current value 0.2 16 A	when starting	0 999.9 s
.,	with lower or upper limit violation	0 999.9 s
accuracy of digital display +/-1 digit	adjustable switching hysteresis for measured current value	0.2 16 A
	accuracy of digital display	+/-1 digit

townoveture drift new °C	0.4.0/.190
temperature drift per °C Short-circuit protection	0.1 %/°C
	Fine a C. 4 A
design of the fuse link for short-circuit protection of the auxiliary switch required	fuse gG: 4 A
Communication/ Protocol	
protocol is supported IO-Link protocol	Yes
IO-Link transfer rate	COM2 (38,4 kBaud)
point-to-point cycle time between master and IO-Link	10 ms
device minimum	is inc
type of voltage supply via input/output link master	Yes
data volume	
 of the address range of the inputs with cyclical transfer total 	4 byte
 of the address range of the outputs with cyclical transfer total 	2 byte
Auxiliary circuit	
number of CO contacts	
• for auxiliary contacts	1
operational current of auxiliary contacts at AC-15	
• at 24 V	3 A
• at 230 V	3 A
operational current of auxiliary contacts at DC-13	
• at 24 V	1 A
• at 125 V	0.2 A
● at 250 V	0.1 A
contact rating of auxiliary contacts according to UL	B300 / R300
Main circuit	
operating power rated value	2.5 W
ampacity of the semiconductor output in SIO mode	200 mA
operational current at 17 V minimum	5 mA
Electromagnetic compatibility	
EMC emitted interference according to IFC 60947-1	ambience A (industrial sector)
EMC emitted interference according to IEC 60947-1 EMC immunity according to IEC 60947-1	ambience A (industrial sector) ambience A (industrial sector)
EMC emitted interference according to IEC 60947-1 EMC immunity according to IEC 60947-1 Connections/ Terminals	ambience A (industrial sector) ambience A (industrial sector)
EMC immunity according to IEC 60947-1 Connections/ Terminals	ambience A (industrial sector)
EMC immunity according to IEC 60947-1 Connections/ Terminals product component removable terminal for main circuit	
EMC immunity according to IEC 60947-1 Connections/ Terminals	ambience A (industrial sector) No
EMC immunity according to IEC 60947-1 Connections/ Terminals product component removable terminal for main circuit product component removable terminal for auxiliary and	ambience A (industrial sector) No
EMC immunity according to IEC 60947-1 Connections/ Terminals product component removable terminal for main circuit product component removable terminal for auxiliary and control circuit	ambience A (industrial sector) No
EMC immunity according to IEC 60947-1 Connections/ Terminals product component removable terminal for main circuit product component removable terminal for auxiliary and control circuit type of electrical connection	ambience A (industrial sector) No Yes
EMC immunity according to IEC 60947-1 Connections/ Terminals product component removable terminal for main circuit product component removable terminal for auxiliary and control circuit type of electrical connection • for main current circuit	ambience A (industrial sector) No Yes screw-type terminals
EMC immunity according to IEC 60947-1 Connections/ Terminals product component removable terminal for main circuit product component removable terminal for auxiliary and control circuit type of electrical connection • for main current circuit • for auxiliary and control circuit	ambience A (industrial sector) No Yes screw-type terminals
EMC immunity according to IEC 60947-1 Connections/ Terminals product component removable terminal for main circuit 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 main contacts	ambience A (industrial sector) No Yes screw-type terminals spring-loaded terminals
EMC immunity according to IEC 60947-1 Connections/ Terminals product component removable terminal for main circuit 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 main contacts • solid	ambience A (industrial sector) No Yes screw-type terminals spring-loaded terminals 2x (1 35 mm²), 1x (1 50 mm²)
EMC immunity according to IEC 60947-1 Connections/ Terminals product component removable terminal for main circuit 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 main contacts • solid • stranded	ambience A (industrial sector) No Yes screw-type terminals spring-loaded terminals 2x (1 35 mm²), 1x (1 50 mm²) 2x (1 35 mm²), 1x (1 50 mm²)
EMC immunity according to IEC 60947-1 Connections/ Terminals product component removable terminal for main circuit 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 main contacts • solid • stranded • finely stranded with core end processing	ambience A (industrial sector) No Yes screw-type terminals spring-loaded terminals 2x (1 35 mm²), 1x (1 50 mm²) 2x (1 35 mm²), 1x (1 50 mm²)
EMC immunity according to IEC 60947-1 Connections/ Terminals product component removable terminal for main circuit 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 main contacts • solid • stranded • finely stranded with core end processing connectable conductor cross-section for main contacts	ambience A (industrial sector) No Yes screw-type terminals spring-loaded terminals 2x (1 35 mm²), 1x (1 50 mm²) 2x (1 35 mm²), 1x (1 50 mm²) 2x (1 25 mm²), 1x (1 35 mm²)
EMC immunity according to IEC 60947-1 Connections/ Terminals product component removable terminal for main circuit 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 main contacts • solid • stranded • finely stranded with core end processing connectable conductor cross-section for main contacts • solid or stranded	ambience A (industrial sector) No Yes screw-type terminals spring-loaded terminals 2x (1 35 mm²), 1x (1 50 mm²) 2x (1 35 mm²), 1x (1 50 mm²) 2x (1 25 mm²), 1x (1 35 mm²) 1 50 mm²
EMC immunity according to IEC 60947-1 Connections/ Terminals product component removable terminal for main circuit 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 main contacts • solid • stranded • finely stranded with core end processing connectable conductor cross-section for main contacts • solid or stranded • finely stranded with core end processing	ambience A (industrial sector) No Yes screw-type terminals spring-loaded terminals 2x (1 35 mm²), 1x (1 50 mm²) 2x (1 35 mm²), 1x (1 50 mm²) 2x (1 25 mm²), 1x (1 35 mm²) 1 50 mm²
EMC immunity according to IEC 60947-1 Connections/ Terminals product component removable terminal for main circuit 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 main contacts • solid • stranded • finely stranded with core end processing connectable conductor cross-section for main contacts • solid or stranded • finely stranded with core end processing type of connectable conductor cross-sections	ambience A (industrial sector) No Yes screw-type terminals spring-loaded terminals 2x (1 35 mm²), 1x (1 50 mm²) 2x (1 35 mm²), 1x (1 50 mm²) 2x (1 25 mm²), 1x (1 35 mm²) 1 50 mm²
EMC immunity according to IEC 60947-1 Connections/ Terminals product component removable terminal for main circuit 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 main contacts • solid • stranded • finely stranded with core end processing connectable conductor cross-section for main contacts • solid or stranded • finely stranded with core end processing type of connectable conductor cross-sections • for auxiliary contacts	ambience A (industrial sector) No Yes screw-type terminals spring-loaded terminals 2x (1 35 mm²), 1x (1 50 mm²) 2x (1 35 mm²), 1x (1 50 mm²) 2x (1 25 mm²), 1x (1 35 mm²) 1 50 mm² 1 35 mm²
EMC immunity according to IEC 60947-1 Connections/ Terminals product component removable terminal for main circuit 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 main contacts • solid • stranded • finely stranded with core end processing connectable conductor cross-section for main contacts • solid or stranded • finely stranded with core end processing type of connectable conductor cross-sections • for auxiliary contacts — solid	ambience A (industrial sector) No Yes screw-type terminals spring-loaded terminals 2x (1 35 mm²), 1x (1 50 mm²) 2x (1 35 mm²), 1x (1 50 mm²) 2x (1 25 mm²), 1x (1 35 mm²) 1 50 mm² 1 35 mm² 1x (0.5 4 mm²), 2x (0.5 2.5 mm²)
EMC immunity according to IEC 60947-1 Connections/ Terminals product component removable terminal for main circuit 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 main contacts • solid • stranded • finely stranded with core end processing connectable conductor cross-section for main contacts • solid or stranded • finely stranded with core end processing type of connectable conductor cross-sections • for auxiliary contacts — solid — finely stranded with core end processing	ambience A (industrial sector) No Yes screw-type terminals spring-loaded terminals 2x (1 35 mm²), 1x (1 50 mm²) 2x (1 35 mm²), 1x (1 50 mm²) 2x (1 25 mm²), 1x (1 35 mm²) 1 50 mm² 1 35 mm² 1x (0.5 4 mm²), 2x (0.5 2.5 mm²) 2x (0.25 1.5 mm²)
EMC immunity according to IEC 60947-1 Connections/ Terminals product component removable terminal for main circuit 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 main contacts • solid • stranded • finely stranded with core end processing connectable conductor cross-section for main contacts • solid or stranded • finely stranded with core end processing type of connectable conductor cross-sections • for auxiliary contacts — solid — finely stranded with core end processing — finely stranded with core end processing	ambience A (industrial sector) No Yes screw-type terminals spring-loaded terminals 2x (1 35 mm²), 1x (1 50 mm²) 2x (1 35 mm²), 1x (1 50 mm²) 2x (1 25 mm²), 1x (1 35 mm²) 1 50 mm² 1 35 mm² 1x (0.5 4 mm²), 2x (0.5 2.5 mm²) 2x (0.25 1.5 mm²)
EMC immunity according to IEC 60947-1 Connections/ Terminals product component removable terminal for main circuit 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 main contacts • solid • stranded • finely stranded with core end processing connectable conductor cross-section for main contacts • solid or stranded • finely stranded with core end processing type of connectable conductor cross-sections • for auxiliary contacts — solid — finely stranded with core end processing — finely stranded with core end processing • for AWG cables for auxiliary contacts AWG number as coded connectable conductor cross section for	ambience A (industrial sector) No Yes screw-type terminals spring-loaded terminals 2x (1 35 mm²), 1x (1 50 mm²) 2x (1 35 mm²), 1x (1 50 mm²) 2x (1 25 mm²), 1x (1 35 mm²) 1 50 mm² 1 35 mm² 1 35 mm² 2x (0.25 1.5 mm²) 2x (0.25 1.5 mm²) 2x (0.24 16)
EMC immunity according to IEC 60947-1 Connections/ Terminals product component removable terminal for main circuit 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 main contacts • solid • stranded • finely stranded with core end processing connectable conductor cross-section for main contacts • solid or stranded • finely stranded with core end processing type of connectable conductor cross-sections • for auxiliary contacts — solid — finely stranded with core end processing — finely stranded with core end processing • for AWG cables for auxiliary contacts AWG number as coded connectable conductor cross section for main contacts	ambience A (industrial sector) No Yes screw-type terminals spring-loaded terminals 2x (1 35 mm²), 1x (1 50 mm²) 2x (1 35 mm²), 1x (1 50 mm²) 2x (1 25 mm²), 1x (1 35 mm²) 1 50 mm² 1 35 mm² 1x (0.5 4 mm²), 2x (0.5 2.5 mm²) 2x (0.25 1.5 mm²) 2x (0.25 1.5 mm²) 2x (24 16) 18 1
EMC immunity according to IEC 60947-1 Connections/ Terminals product component removable terminal for main circuit 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 main contacts • solid • stranded • finely stranded with core end processing connectable conductor cross-section for main contacts • solid or stranded • finely stranded with core end processing type of connectable conductor cross-sections • for auxiliary contacts — solid — finely stranded with core end processing — finely stranded with core end processing • for AWG cables for auxiliary contacts AWG number as coded connectable conductor cross section for main contacts tightening torque with screw-type terminals	ambience A (industrial sector) No Yes screw-type terminals spring-loaded terminals 2x (1 35 mm²), 1x (1 50 mm²) 2x (1 35 mm²), 1x (1 50 mm²) 2x (1 25 mm²), 1x (1 35 mm²) 1 50 mm² 1 35 mm² 1x (0.5 4 mm²), 2x (0.5 2.5 mm²) 2x (0.25 1.5 mm²) 2x (0.25 1.5 mm²) 2x (24 16) 18 1
EMC immunity according to IEC 60947-1 Connections/ Terminals product component removable terminal for main circuit 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 main contacts • solid • stranded • finely stranded with core end processing connectable conductor cross-section for main contacts • solid or stranded • finely stranded with core end processing type of connectable conductor cross-sections • for auxiliary contacts — solid — finely stranded with core end processing • for AWG cables for auxiliary contacts AWG number as coded connectable conductor cross section for main contacts tightening torque with screw-type terminals Installation/ mounting/ dimensions	ambience A (industrial sector) No Yes screw-type terminals spring-loaded terminals 2x (1 35 mm²), 1x (1 50 mm²) 2x (1 35 mm²), 1x (1 50 mm²) 2x (1 25 mm²), 1x (1 35 mm²) 1 50 mm² 1 35 mm² 1x (0.5 4 mm²), 2x (0.5 2.5 mm²) 2x (0.25 1.5 mm²) 2x (0.25 1.5 mm²) 2x (24 16) 18 1 0.8 1.2 N·m
EMC immunity according to IEC 60947-1 Connections/ Terminals product component removable terminal for main circuit 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 main contacts • solid • stranded • finely stranded with core end processing connectable conductor cross-section for main contacts • solid or stranded • finely stranded with core end processing type of connectable conductor cross-sections • for auxiliary contacts — solid — finely stranded with core end processing — finely stranded without core end processing • for AWG cables for auxiliary contacts AWG number as coded connectable conductor cross section for main contacts tightening torque with screw-type terminals Installation/ mounting/ dimensions mounting position fastening method	No Yes screw-type terminals spring-loaded terminals 2x (1 35 mm²), 1x (1 50 mm²) 2x (1 35 mm²), 1x (1 50 mm²) 2x (1 25 mm²), 1x (1 35 mm²) 1 35 mm² 1 x (0.5 4 mm²), 2x (0.5 2.5 mm²) 2x (0.25 1.5 mm²) 2x (0.25 1.6 mm²) 2x (24 16) 18 1 0.8 1.2 N·m
EMC immunity according to IEC 60947-1 Connections/ Terminals product component removable terminal for main circuit 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 main contacts • solid • stranded • finely stranded with core end processing connectable conductor cross-section for main contacts • solid or stranded • finely stranded with core end processing type of connectable conductor cross-sections • for auxiliary contacts — solid — finely stranded with core end processing • for AWG cables for auxiliary contacts AWG number as coded connectable conductor cross section for main contacts tightening torque with screw-type terminals Installation/ mounting/ dimensions mounting position	ambience A (industrial sector) No Yes screw-type terminals spring-loaded terminals 2x (1 35 mm²), 1x (1 50 mm²) 2x (1 35 mm²), 1x (1 50 mm²) 2x (1 25 mm²), 1x (1 35 mm²) 1 50 mm² 1 50 mm² 1 35 mm² 1x (0.5 4 mm²), 2x (0.5 2.5 mm²) 2x (0.25 1.5 mm²) 2x (0.25 1.5 mm²) 2x (24 16) 18 1 0.8 1.2 N·m any direct mounting
EMC immunity according to IEC 60947-1 Connections/ Terminals product component removable terminal for main circuit 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 main contacts • solid • stranded • finely stranded with core end processing connectable conductor cross-section for main contacts • solid or stranded • finely stranded with core end processing type of connectable conductor cross-sections • for auxiliary contacts — solid — finely stranded with core end processing • for AWG cables for auxiliary contacts AWG number as coded connectable conductor cross section for main contacts tightening torque with screw-type terminals Installation/ mounting/ dimensions mounting position fastening method height	ambience A (industrial sector) No Yes screw-type terminals spring-loaded terminals 2x (1 35 mm²), 1x (1 50 mm²) 2x (1 35 mm²), 1x (1 50 mm²) 2x (1 25 mm²), 1x (1 35 mm²) 1 50 mm² 1 50 mm² 1 35 mm² 1x (0.5 4 mm²), 2x (0.5 2.5 mm²) 2x (0.25 1.5 mm²) 2x (0.25 1.5 mm²) 2x (24 16) 18 1 0.8 1.2 N·m any direct mounting 99 mm

required spacing			
with side-by-side mounting			
— forwards	0 mm		
— backwards	0 mm		
— upwards	0 mm		
— downwards	10 mm		
— at the side	0 mm		
 for grounded parts 			
— forwards	10 mm		
— backwards	0 mm		
— upwards	10 mm		
— at the side	10 mm		
— downwards	10 mm		
• for live parts			
— forwards	10 mm		
— backwards	0 mm		
— upwards	10 mm		
— downwards	10 mm		
— at the side	10 mm		
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		
Approvals Certificates			
General Product Approval		EMC	



Confirmation

Manufacturer Declaration







Declaration of Conformity

Test Certificates

Marine / Shipping





Special Test Certificate







Marine / Shipping

other





Confirmation

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)

 $\underline{\text{https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RR2443-3AA40}}$

Cax online generator

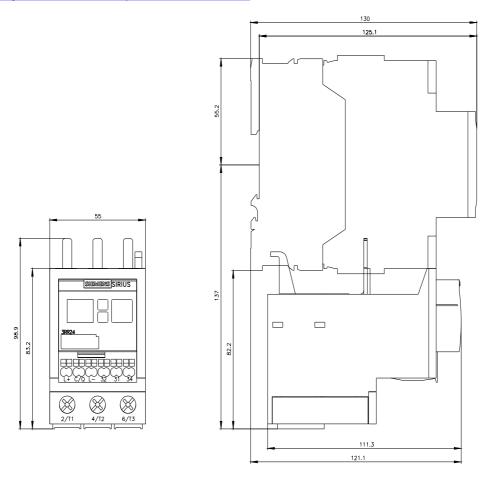
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RR2443-3AA40

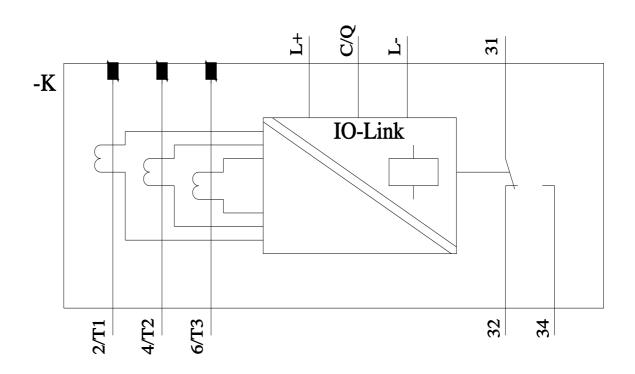
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

https://support.industry.siemens.com/cs/ww/en/ps/3RR2443-3AA40

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

 $\underline{\text{http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RR2443-3AA40\&lang=en}}$





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