SIEMENS

Data sheet

3RQ3118-2AB01



Output coupler with plug-in Relay, 1 CO, hard gold-plated Spring-type terminal (push-in) 24 V AC/DC Enclosure width 6.2 mm Thermal current 6A

product brand name SIRIUS product category SIRIUS 3RQ3 coupling relays with plug-in relay designation Coupling relays with plug-in relay design of the product Output coupling link product designation SIRIUS design of the product Output coupling link product component - • relay output Yes • relay output No consumed active power 0.3 W insultion voltage for overvoltage category III according to IEC 300 V 60664 with degree of polition 3 rated value 4 kV surge voltage resistance rated value 4 kV maximum permissible voltage for sale loaltion - • between control and auxilisy circuit 300 V percental drop-out voltage related to the input voltage 10 % protection class IP IP20 filammability class of enclosure material UL94 V-0 shock resistance 6 150 Hz; 2 g operating frequency maximum 72 200 1/h switching behavior monostable mechanical service life (operating cycles) typical 10 000 000 <th></th> <th></th>		
product designation Coupling relays with plug-in relay design of the product: Output coupling link product type designation 3RQ3 General technical data Image: Comparison of the product opponent • relay output Yes • relay output Yes • semi-conductor output No Consumed active power 0.3 W insultion voltage for overvoltage category III according to IEC 300 V 60664 with degree of pollution 3 rated value 4 kV surge voltage resistance rated value 4 kV maximum permissible voltage for safe isolation 10 % • between control and auxiliay circuit 300 V finamnability class of enclosure material UL94 V-0 shock resistance sinucoidal half-wave 15g / 11 ms • according to IEC 60068-2-27 sinucoidal half-wave 15g / 11 ms • Ubration resistance sinucoidal half-wave 15g / 11 ms • according to IEC 60068-2-27 sinucoidal half-wave 15g / 11 ms • bratewer dea cording to IEC 60068-2-26 6 150 Hz: 2 g • according to IEC 60068-2-6 6 150 Hz: 2 g • according to IEC 60068-2-6 6 150 Hz: 2 g • according to IEC 60068-2-6 6 150 Hz: 2 g • operating frequency maximum 72 000 1/h mechanical servic	product brand name	SIRIUS
design of the product Output coupling link product type designation 3RQ3 display version LED Yes in telay output Yes in telay output Yes is semi-conductor output No consumed active power 0.3 W insulation, voltage for overvoltage category III according to IEC 300 V 60664 with degree of pollution 3 rated value 4 kV maximum permissible voltage for safe isolation 0.0 V is between control and auxiliary circuit 300 V portoction class IP IP20 flammability class of enclosure material UL94 V-0 shock resistance issuediato voltage related to the input voltage i according to IEC 60668-2-8 6 150 Hz: 2 g oparating frequency maximum 72 000 Vh switching behavior monostable mechanical service life (operating cycles) typical 10 000 000 thermal current 6 A reference code according to IEC 81346-2 K Substance Prohibitance (Date) 225/2015 Control supply voltage at AC 24 V e at 60 Hz rated value 24 V control suppl voltage at DC 60 Hz e at 60 Hz rated value 60 Hz control suppl voltage at DC 60 Hz	product category	SIRIUS 3RQ3 coupling relays in slim design
product type designation 3RQ3 General technical data	product designation	Coupling relays with plug-in relay
Ceneral technical data display version LED Yes product component Yes • celay output No • celay output No consumed active power 0.3 W insulation voltage for overoltage category III according to IEC 300 V 60664 with degree of pollution 3 rated value 4 kV maximum permissible voltage for safe isolation • between control and auxiliary dricuti 900 V percental drop-out voltage related to the input voltage 10 % protection class IP 11 get to the same material UL94 V-0 shock resistance 6 150 Hz: 2 g • according to IEC 60068-2-27 sinusoidal half-wave 15g / 11 ms vibration resistance 6 150 Hz: 2 g • porestid of coperating to IEC 60088-2-6 6 150 Hz: 2 g • porestid for polary colls (blog category lypical 10 000 000 thermal current 6 A reference code according to IEC 81346-2 K Substance Prohibitance (Date) 03/25/2015 Control supply voltage at AC 24 V • at 60 Hz rated value 24 V • at 60 Hz rated value 24 V • at 60 Hz rated value 60 Hz • at 60 Hz rated value 60 Hz • at 60 Value 24 V <	design of the product	Output coupling link
display version LED Yes product component Yes • relay output Yes • semi-conductor output No consumed active power 0.3 W Insulation voltage for overroltage category III according to IEC 300 V 20064 with degree of polutions Trated value 4 kV maximum permissible voltage for safe isolation 4 kV • between control and auxiliary dricuit 300 V percental drop-out voltage related to the input voltage 10 % protection class IP IP20 filammability class of enclosure material UL94 V-0 shock resistance • according to IEC 60068-2-27 vibration resistance • according to IEC 60068-2-27 vibration resistance • according to IEC 60068-2-6 • according to IEC 60068-2-6 6 150 Hz: 2 g operating frequency maximum 72 000 1/h switching behavior monostable mechanical service Iffe (operating cycles) typical 10 000 000 thermal current 6 A reference code according to IEC 81346-2 K Substance Prohibitance (Date) 03/25/2015 Control supply voltage at AC 24 V • at 60 Hz rated value 24 V • at 50 Hz rated value 24 V • at 60 Hz	product type designation	3RQ3
product component velay output Yes • elay output No • consumed active power 0.3 W insulation voltage for overvoltage category III according to IEC 300 V 80664 with degree of pollution 3 rated value 4 kV maximum permissible voltage for safe isolation 4 kV estree voltage resistance rated value 4 kV percental drop-out voltage related to the input voltage 10 % protection class IP IP20 flammability class of enclosure material UL94 V-0 shock resistance 6 150 Hz: 2 g • according to IEC 60068-2-77 sinusoidal half-wave 15g / 11 ms vibration resistance 6 150 Hz: 2 g operating frequency maximum 72 2000 1/h switching behavior monostable mechanical service life (operating cycles) typical 10 000 000 thermal current 6 A reference code according to IEC 81346-2 K Substance Prohibitance (Date) 03/25/2015 Control supply voltage at AC 24 V • at 60 Hz rated value 24 V • at 60 Hz rated value 60 Hz • 1 rated value 6	General technical data	
• relay output Yes • semi-conductor output No consumed active power 0.3 W insulation voltage for overvoltage category III according to IEC 300 V 60664 with degree of pollution 3 rated value 4 kV maximum permissible voltage for safe isolation 4 kV • between control and auxiliary circuit 300 V percential drop-out voltage related to the input voltage 10 % percential drop-out voltage related to the input voltage 10 % shock resistance 10 % • according to IEC 60068-2-27 sinusoidal half-wave 15g / 11 ms vibration resistance 6 150 Hz: 2 g • according to IEC 60068-2-6 6 150 Hz: 2 g operating frequency maximum 72 000 1/h mechanical service life (operating cycles) typical 10 000 000 thermal current 6 A reference code according to IEC 81346-2 K Substance Prohibitance (Date) 0325/2015 Control supply voltage at AC 24 V • at 50 Hz rated value 24 V • at 60 Hz rated value 50 Hz • 1 rated value 60 Hz • control supply voltage at DC 60 Hz • at 60 value 60 Hz • control supply voltage at DC 60 Hz • at a	display version LED	Yes
semi-conductor output No consumed active power 0.3 W insulation voltage for overvoltage category III according to IEC 800 V 800 V insulation voltage for overvoltage category III according to IEC surge voltage resistance rated value 4 kV maximum permissible voltage for safe isolation ebetween control and availing viccuit 300 V percental drop-out voltage related to the input voltage 10 % percental drop-out voltage related to the input voltage 10 % percental drop-out voltage related to the input voltage 10 % percental drop-out voltage related to the input voltage 10 % percental drop-out voltage related to the input voltage 10 % percental drop-out voltage related to the input voltage 10 % percental drop-out voltage related to the input voltage 10 % percental drop-out voltage related to the input voltage 10 % percental drop-out voltage related to the input voltage 10 L94 V-0 shock resistance e according to IEC 60068-2-27 sinusoidal half-wave 15g / 11 ms vibration resistance e according to IEC 60068-2-6 f	product component	
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• between control and auxiliary circuit 300 V percental drop-out voltage related to the input voltage 10 % protection class IP IP20 flammability class of enclosure material UL94 V-0 shock resistance - • according to IEC 60068-2-27 sinusoidal half-wave 15g / 11 ms vibration resistance - • according to IEC 60068-2-6 6 150 Hz: 2 g operating frequency maximum 72 000 1/h switching behavior monostable mechanical service life (operating cycles) typical 10 000 000 thermal current 6 A reference code according to IEC 81346-2 K Substance Prohibitance (Date) 03/25/2015 Control supply voltage at AC - • at 50 Hz rated value 24 V • at 60 Hz rated value 24 V control supply voltage frequency - • 1 rated value 50 Hz • 2 rated value 60 Hz control supply voltage at DC - • rated value 24 V • cated value 24 V	surge voltage resistance rated value	4 kV
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flammability class of enclosure material UL94 V-0 shock resistance sinusoidal half-wave 15g / 11 ms • according to IEC 60068-2-27 sinusoidal half-wave 15g / 11 ms vibration resistance - • according to IEC 60068-2-6 6 • according to IEC 80040 000000 thermal current 6 A reference code according to IEC 81346-2 K Substance Prohibitance (Date) 03/25/2015 Control circuit/ Control 03/25/2015 Control circuit/ Control 24 V • at 50 Hz rated value 24 V • at 60 Hz rated value 50 Hz • 1 rated value 60 Hz • 2 rated value 60 Hz control supply voltage at DC 24 V • rated value 2	percental drop-out voltage related to the input voltage	10 %
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e according to IEC 60068-2-27 sinusoidal half-wave 15g / 11 ms vibration resistance e according to IEC 60068-2-6 6 150 Hz: 2 g operating frequency maximum 72 000 1/h switching behavior monostable mechanical service life (operating cycles) typical 10 000 000 thermal current 6 A reference code according to IEC 81346-2 K Substance Prohibitance (Date) 03/25/2015 Control circuit/ Control control supply voltage at AC e at 50 Hz rated value 24 V control supply voltage frequency e 1 rated value 24 V control supply voltage at DC e rated value 24 V operating range factor control supply voltage rated value at DC	flammability class of enclosure material	UL94 V-0
vibration resistance 6 150 Hz: 2 g operating to IEC 60068-2-6 6 150 Hz: 2 g operating frequency maximum 72 000 1/h switching behavior monostable mechanical service life (operating cycles) typical 10 000 000 thermal current 6 A reference code according to IEC 81346-2 K Substance Prohibitance (Date) 03/25/2015 Control circuit/ Control Control supply voltage at AC • at 50 Hz rated value 24 V • at 60 Hz rated value 24 V control supply voltage frequency 60 Hz • 1 rated value 60 Hz • 2 rated value 60 Hz control supply voltage at DC 60 Hz control supply voltage at DC 24 V • rated value 24 V	shock resistance	
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mechanical service life (operating cycles) typical 10 000 000 thermal current 6 A reference code according to IEC 81346-2 K Substance Prohibitance (Date) 03/25/2015 Control circuit/ Control 03/25/2015 control supply voltage at AC 24 V • at 50 Hz rated value 24 V • at 60 Hz rated value 24 V • at 60 Hz rated value 60 Hz control supply voltage at DC 60 Hz • rated value 24 V	operating frequency maximum	72 000 1/h
thermal current6 Areference code according to IEC 81346-2KSubstance Prohibitance (Date)03/25/2015Control circuit/ Control03/25/2015Control supply voltage at AC24 V• at 50 Hz rated value24 V• at 60 Hz rated value24 Vcontrol supply voltage frequency60 Hz• 1 rated value50 Hz• 2 rated value60 Hz• 2 rated value24 V• 2 rated value20 Hz• 2 rated value20 Hz• 2 rated value20 Hz• 2 rated value24 V• 2 rated value20 Hz• 2 rated value24 V• 2 rated value24 V	switching behavior	monostable
reference code according to IEC 81346-2 K Substance Prohibitance (Date) 03/25/2015 Control circuit/ Control	mechanical service life (operating cycles) typical	10 000 000
Substance Prohibitance (Date) 03/25/2015 Control circuit/ Control Control supply voltage at AC • at 50 Hz rated value 24 V • at 60 Hz rated value 24 V • at 60 Hz rated value 50 Hz • at 60 Hz rated value 60 Hz • at 60 Hz rated value 50 Hz • at rated value 60 Hz • at rated value 60 Hz • at value 60 Hz • at value 24 V	thermal current	6 A
Control circuit/ Control 24 V • at 50 Hz rated value 24 V • at 60 Hz rated value 24 V control supply voltage frequency 24 V • 1 rated value 50 Hz • 2 rated value 60 Hz control supply voltage at DC 60 Hz • rated value 24 V	reference code according to IEC 81346-2	К
control supply voltage at AC 24 V • at 50 Hz rated value 24 V • at 60 Hz rated value 24 V control supply voltage frequency 24 V • 1 rated value 50 Hz • 2 rated value 60 Hz control supply voltage at DC 60 Hz • rated value 24 V	Substance Prohibitance (Date)	03/25/2015
• at 50 Hz rated value 24 V • at 60 Hz rated value 24 V control supply voltage frequency 24 V • 1 rated value 50 Hz • 2 rated value 60 Hz • control supply voltage at DC 60 Hz • rated value 24 V	Control circuit/ Control	
• at 60 Hz rated value 24 V control supply voltage frequency 50 Hz • 1 rated value 50 Hz • 2 rated value 60 Hz control supply voltage at DC 24 V • rated value 24 V	control supply voltage at AC	
control supply voltage frequency 50 Hz • 1 rated value 50 Hz • 2 rated value 60 Hz control supply voltage at DC 24 V • rated value 24 V	• at 50 Hz rated value	24 V
• 1 rated value 50 Hz • 2 rated value 60 Hz control supply voltage at DC 24 V • rated value 24 V	• at 60 Hz rated value	24 V
	control supply voltage frequency	
control supply voltage at DC 24 V • rated value 24 V operating range factor control supply voltage rated value at DC 24 V	• 1 rated value	50 Hz
• rated value 24 V operating range factor control supply voltage rated value at DC	• 2 rated value	60 Hz
operating range factor control supply voltage rated value at DC	control supply voltage at DC	
DC C	rated value	24 V
initial value 0.8		
	• initial value	0.8

full-scale value	1.25			
operating range factor control supply voltage rated value at				
AC at 50 Hz				
• initial value	0.8			
full-scale value	1.25			
operating range factor control supply voltage rated value at AC at 60 Hz				
initial value	0.8			
• full-scale value	1.25			
ON-delay time	1.23			
at AC maximum	12 ms			
• at DC maximum	12 ms			
OFF-delay time	14 ms			
design of the relay operating mechanism	poled			
product component plug-in socket	Yes			
Short-circuit protection				
design of the fuse link for short-circuit protection of the auxiliary	fuse gG: 4 A			
switch required				
Auxiliary circuit				
type of switching contact	Changeover contact			
material of switching contacts	AgSnO2 hard gold-plated			
number of CO contacts for auxiliary contacts	1			
operational current of auxiliary contacts at AC-15				
• at 24 V	3 A			
• at 250 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 reliability of auxiliary contacts	one incorrect switching operation of 100 million switching operations (5 V, 1			
	mA)			
Main circuit				
type of voltage	AC/DC			
type of voltage Inputs/ Outputs property of the output short-circuit proof	No			
type of voltage Inputs/ Outputs property of the output short-circuit proof ampacity of the output relay at AC-15 at 250 V at 50/60 Hz				
type of voltage Inputs/ Outputs property of the output short-circuit proof ampacity of the output relay at AC-15 at 250 V at 50/60 Hz ampacity of the output relay at DC-13	No 3 A			
type of voltage Inputs/ Outputs property of the output short-circuit proof ampacity of the output relay at AC-15 at 250 V at 50/60 Hz ampacity of the output relay at DC-13 • at 24 V	No 3 A 1 A			
type of voltage Inputs/ Outputs property of the output short-circuit proof ampacity of the output relay at AC-15 at 250 V at 50/60 Hz ampacity of the output relay at DC-13 • at 24 V • at 125 V	No 3 A 1 A 0.2 A			
type of voltage Inputs/ Outputs property of the output short-circuit proof ampacity of the output relay at AC-15 at 250 V at 50/60 Hz ampacity of the output relay at DC-13 • at 24 V • at 125 V • at 250 V	No 3 A 1 A			
type of voltage Inputs/ Outputs property of the output short-circuit proof ampacity of the output relay at AC-15 at 250 V at 50/60 Hz ampacity of the output relay at DC-13 • at 24 V • at 125 V • at 250 V Electromagnetic compatibility	No 3 A 1 A 0.2 A 0.1 A			
type of voltage Inputs/ Outputs property of the output short-circuit proof ampacity of the output relay at AC-15 at 250 V at 50/60 Hz ampacity of the output relay at DC-13 • at 24 V • at 125 V • at 250 V Electromagnetic compatibility EMC emitted interference according to IEC 60947-1	No 3 A 1 A 0.2 A 0.1 A ambience A (industrial sector)			
type of voltage Inputs/ Outputs property of the output short-circuit proof ampacity of the output relay at AC-15 at 250 V at 50/60 Hz ampacity of the output relay at DC-13 • at 24 V • at 125 V • at 250 V Electromagnetic compatibility EMC emitted interference according to IEC 60947-1 EMC immunity according to IEC 60947-1	No 3 A 1 A 0.2 A 0.1 A			
type of voltage Inputs/ Outputs property of the output short-circuit proof ampacity of the output relay at AC-15 at 250 V at 50/60 Hz ampacity of the output relay at DC-13 • at 24 V • at 125 V • at 250 V Electromagnetic compatibility EMC emitted interference according to IEC 60947-1 EMC immunity according to IEC 60947-1 conducted interference	No 3 A 1 A 0.2 A 0.1 A ambience A (industrial sector) corresponds to degree of severity 3			
type of voltage Inputs/ Outputs property of the output short-circuit proof ampacity of the output relay at AC-15 at 250 V at 50/60 Hz ampacity of the output relay at DC-13 • at 24 V • at 125 V • at 250 V Electromagnetic compatibility EMC emitted interference according to IEC 60947-1 EMC immunity according to IEC 60947-1 conducted interference • due to burst according to IEC 61000-4-4	No 3 A 1 A 0.2 A 0.1 A ambience A (industrial sector) corresponds to degree of severity 3 2 kV			
type of voltage Inputs/ Outputs property of the output short-circuit proof ampacity of the output relay at AC-15 at 250 V at 50/60 Hz ampacity of the output relay at DC-13 • at 24 V • at 125 V • at 250 V Electromagnetic compatibility EMC emitted interference according to IEC 60947-1 EMC immunity according to IEC 60947-1 conducted interference • due to burst according to IEC 61000-4-4 • due to conductor-earth surge according to IEC 61000-4-5	No 3 A 1 A 0.2 A 0.1 A ambience A (industrial sector) corresponds to degree of severity 3 2 kV 2 kV			
type of voltage Inputs/ Outputs property of the output short-circuit proof ampacity of the output relay at AC-15 at 250 V at 50/60 Hz ampacity of the output relay at DC-13 • at 24 V • at 125 V • at 250 V Electromagnetic compatibility EMC emitted interference according to IEC 60947-1 EMC immunity according to IEC 60947-1 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	No 3 A 1 A 0.2 A 0.1 A ambience A (industrial sector) corresponds to degree of severity 3 2 kV			
type of voltage Inputs/ Outputs property of the output short-circuit proof ampacity of the output relay at AC-15 at 250 V at 50/60 Hz ampacity of the output relay at DC-13 • at 24 V • at 25 V • at 250 V Electromagnetic compatibility EMC emitted interference according to IEC 60947-1 EMC immunity according to IEC 60947-1 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	No 3 A 1 A 0.2 A 0.1 A ambience A (industrial sector) corresponds to degree of severity 3 2 kV 2 kV 1 kV			
type of voltage Inputs/ Outputs property of the output short-circuit proof ampacity of the output relay at AC-15 at 250 V at 50/60 Hz ampacity of the output relay at DC-13 • at 24 V • at 25 V • at 250 V Electromagnetic compatibility EMC emitted interference according to IEC 60947-1 EMC immunity according to IEC 60947-1 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 • field-based interference according to IEC 61000-4-3	No 3 A 1 A 0.2 A 0.1 A ambience A (industrial sector) corresponds to degree of severity 3 2 kV 2 kV 1 kV 10 V/m			
type of voltage Inputs/ Outputs property of the output short-circuit proof ampacity of the output relay at AC-15 at 250 V at 50/60 Hz ampacity of the output relay at DC-13 • at 24 V • at 125 V • at 250 V Electromagnetic compatibility EMC emitted interference according to IEC 60947-1 EMC immunity according to IEC 60947-1 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 • field-based interference according to IEC 61000-4-3 electrostatic discharge according to IEC 61000-4-2	No 3 A 1 A 0.2 A 0.1 A ambience A (industrial sector) corresponds to degree of severity 3 2 kV 2 kV 1 kV			
type of voltage Inputs/ Outputs property of the output short-circuit proof ampacity of the output relay at AC-15 at 250 V at 50/60 Hz ampacity of the output relay at DC-13 • at 24 V • at 125 V • at 250 V Electromagnetic compatibility EMC emitted interference according to IEC 60947-1 EMC immunity according to IEC 60947-1 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 • field-based interference according to IEC 61000-4-3 electrostatic discharge according to IEC 61000-4-2 Display	No 3 A 1 A 0.2 A 0.1 A ambience A (industrial sector) corresponds to degree of severity 3 2 kV 2 kV 1 kV 1 kV 10 V/m 6 kV contact discharge / 8 kV air discharge			
type of voltage Inputs/ Outputs property of the output short-circuit proof ampacity of the output relay at AC-15 at 250 V at 50/60 Hz ampacity of the output relay at DC-13 • at 24 V • at 125 V • at 250 V Electromagnetic compatibility EMC emitted interference according to IEC 60947-1 EMC immunity according to IEC 61000-4-4 • 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 61000-4-3 electrostatic discharge according to IEC 61000-4-3 electrostatic discharge according to IEC 61000-4-2 Display display version as status display by LED	No 3 A 1 A 0.2 A 0.1 A ambience A (industrial sector) corresponds to degree of severity 3 2 kV 2 kV 1 kV 10 V/m			
type of voltage Inputs/ Outputs property of the output short-circuit proof ampacity of the output relay at AC-15 at 250 V at 50/60 Hz ampacity of the output relay at DC-13 • at 24 V • at 125 V • at 250 V Electromagnetic compatibility EMC emitted interference according to IEC 60947-1 EMC immunity according to IEC 60947-1 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 • field-based interference according to IEC 61000-4-3 electrostatic discharge according to IEC 61000-4-2 Display display version as status display by LED Connections/ Terminals	No 3 A 1 A 0.2 A 0.1 A ambience A (industrial sector) corresponds to degree of severity 3 2 kV 2 kV 1 kV 10 V/m 6 kV contact discharge / 8 kV air discharge LED green			
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type of voltage Inputs/ Outputs property of the output short-circuit proof ampacity of the output relay at AC-15 at 250 V at 50/60 Hz ampacity of the output relay at DC-13 • at 24 V • at 125 V • at 250 V Electromagnetic compatibility EMC emitted interference according to IEC 60947-1 EMC immunity according to IEC 60947-1 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 field-based interference according to IEC 61000-4-3 electrostatic discharge according to IEC 61000-4-3 electrostatic discharge according to IEC 61000-4-2 Display display version as status display by LED Connections/ Terminals product function removable terminal type of electrical connection for auxiliary and control circuit	No 3 A 1 A 0.2 A 0.1 A ambience A (industrial sector) corresponds to degree of severity 3 2 kV 2 kV 1 kV 10 V/m 6 kV contact discharge / 8 kV air discharge LED green			
type of voltage Inputs/ Outputs property of the output short-circuit proof ampacity of the output relay at AC-15 at 250 V at 50/60 Hz ampacity of the output relay at DC-13 • at 24 V • at 125 V • at 250 V Electromagnetic compatibility EMC emitted interference according to IEC 60947-1 EMC immunity according to IEC 61000-4-4 • 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 61000-4-5 • due to conductor-conductor surge according to IEC 61000-4-5 • due to conductor-conductor surge according to IEC 61000-4-5 • due to conductor-conductor surge according to IEC 61000-4-5 • due to conductor-conductor surge according to IEC 61000-4-5 • due to conductor-conductor surge according to IEC 61000-4-2 Display display version as status display by LED Connections/ Terminals product function removable terminal type of electrical connection for auxiliary and control circuit wire length	No 3 A 1 A 0.2 A 0.1 A ambience A (industrial sector) corresponds to degree of severity 3 2 kV 2 kV 2 kV 1 kV 10 V/m 6 kV contact discharge / 8 kV air discharge LED green No spring-loaded terminals (push-in)			
type of voltage Inputs/ Outputs property of the output short-circuit proof ampacity of the output relay at AC-15 at 250 V at 50/60 Hz ampacity of the output relay at DC-13 • at 24 V • at 125 V • at 250 V Electromagnetic compatibility EMC emitted interference according to IEC 60947-1 EMC immunity according to IEC 61000-4-4 • 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 conductor-conductor surge according to IEC 61000-4-3 electrostatic discharge according to IEC 61000-4-3 electrostatic discharge according to IEC 61000-4-2 Display display version as status display by LED Connections/ Terminals product function removable terminal type of electrical connection for auxiliary and control circuit wire length • at AC maximum	No 3 A 1 A 0.2 A 0.1 A ambience A (industrial sector) corresponds to degree of severity 3 2 kV 2 kV 2 kV 10 V/m 6 kV contact discharge / 8 kV air discharge LED green No spring-loaded terminals (push-in) 500 m			
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type of voltage Inputs/ Outputs property of the output short-circuit proof ampacity of the output relay at AC-15 at 250 V at 50/60 Hz ampacity of the output relay at DC-13 • at 24 V • at 125 V • at 250 V Electromagnetic compatibility EMC emitted interference according to IEC 60947-1 EMC immunity according to IEC 61000-4-4 • 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 61000-4-5 • due to conductor-conductor surge according to IEC 61000-4-5 • due to conductor-conductor surge according to IEC 61000-4-3 electrostatic discharge according to IEC 61000-4-3 electrostatic discharge according to IEC 61000-4-2 Display display version as status display by LED Connections/ Terminals product function removable terminal type of electrical connection for auxiliary and control circuit wire length • at AC maximum • at DC maximum • at DC maximum	No 3 A 1 A 0.2 A 0.1 A ambience A (industrial sector) corresponds to degree of severity 3 2 kV 2 kV 2 kV 1 kV 10 V/m 6 kV contact discharge / 8 kV air discharge LED green KO spring-loaded terminals (push-in) 500 m 1 000 m			
type of voltage Inputs/ Outputs property of the output short-circuit proof ampacity of the output relay at AC-15 at 250 V at 50/60 Hz ampacity of the output relay at DC-13 • at 24 V • at 250 V Electromagnetic compatibility EMC emitted interference according to IEC 60947-1 EMC immunity according to IEC 60947-1 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 61000-4-5 • due to conductor-conductor surge according to IEC 61000-4-5 • due to conductor-conductor surge according to IEC 61000-4-5 • due to conductor-conductor surge according to IEC 61000-4-5 • due to conductor-conductor surge according to IEC 61000-4-5 • due to conductor-conductor surge according to IEC 61000-4-2 Display display version as status display by LED Connections/ Terminals product function removable terminal type of electrical connection for auxiliary and control circuit wire length • at AC maximum • at DC maximum • at DC maximum • solid <td>No 3 A 1 A 0.2 A 0.1 A ambience A (industrial sector) corresponds to degree of severity 3 2 kV 2 kV 2 kV 10 V/m 6 kV contact discharge / 8 kV air discharge LED green No spring-loaded terminals (push-in) 500 m 1 000 m 1x (0.25 2.5 mm²)</td>	No 3 A 1 A 0.2 A 0.1 A ambience A (industrial sector) corresponds to degree of severity 3 2 kV 2 kV 2 kV 10 V/m 6 kV contact discharge / 8 kV air discharge LED green No spring-loaded terminals (push-in) 500 m 1 000 m 1x (0.25 2.5 mm²)			
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 at AWG cables solid 		1 x (20 14)			
 at AWG cables stranded 		1x (20 14)			
connectable conductor cross-section					
• solid		0.25 2.5 mm ²			
 finely stranded with core end processing 		0.25 1.5 mm²			
 finely stranded without core end processir 	-	0.25 2.5 mm ²	0.25 2.5 mm²		
AWG number as coded connectable conducts section	or cross				
solid		20 14			
solid stranded		20 14 20 14			
nstallation/ mounting/ dimensions		20 14	_	_	
		0.01/	_		
mounting position		any	~		
fastening method		snap-on mounting	g		
height		93 mm			
width		6.2 mm			
depth		76 mm			
required spacing					
with side-by-side mounting forwards		0 mm			
— forwards — backwards		0 mm			
— upwards		0 mm			
— downwards		0 mm			
— at the side		0 mm			
for grounded parts		0 11111			
— forwards		0 mm			
— backwards		0 mm			
— upwards					
— at the side		0 mm 0 mm			
— downwards		0 mm 0 mm			
for live parts		0 11111			
— forwards		0 mm			
— backwards		0 mm			
— upwards		0 mm			
— downwards		0 mm			
— at the side		0 mm			
Ambient conditions					
installation altitude at height above sea level max	ximum	2 000 m			
ambient temperature		2 000			
during operation		-25 +60 °C			
during storage		-40 +85 °C			
during transport		-40 +85 °C			
relative humidity during operation		10 95 %			
Certificates/ approvals					
General Product Approval					EMC
Concrait rouder Approval					
Confirmation		6		rnr	A
QP	(m)	(4	ΨL)	FAL	<u>/\@</u>
CSA	ccc		UL	LIIL	RCM
Declaration of Conformity	Test Certificate	es Marine / S	Shipping	other	
	Type Test Cert ates/Test Rep		COMO AND	Confirmation	
	ales/ 1 est rep				
		Denval	LCORA		
EG-Konf.					

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=3RQ3118-2AB01

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RQ3118-2AB01

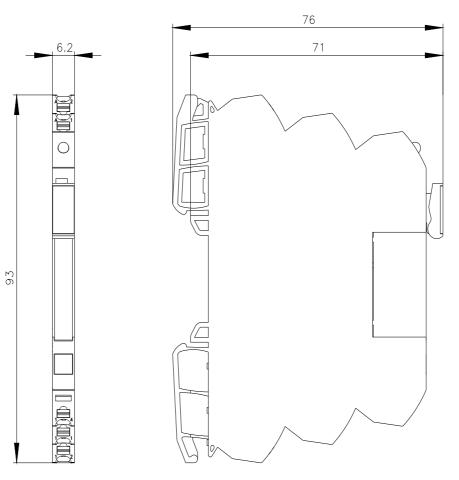
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

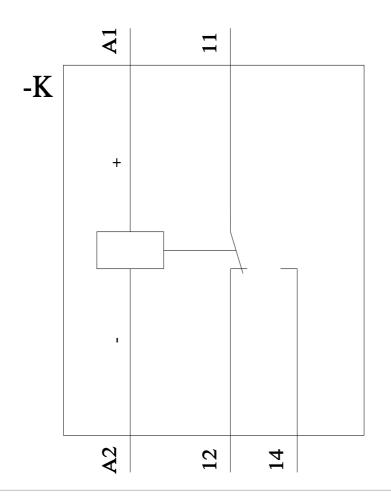
https://support.industry.siemens.com/cs/ww/en/ps/3RQ3118-2AB01

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RQ3118-2AB01&lang=en

Characteristic: Derating

https://support.industry.siemens.com/cs/ww/en/ps/3RQ3118-2AB01/manual





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