

OUTPUT COUPLING DEVICE, OPTOCOUPLER 1 NO CONTACT, TRANSISTOR, 24V DC OUTPUT MAX 30V DC, 2A SHORT-CIRCUIT PROOF SPRING-TYPE TERMINALS (PUSH IN) WIDTH 6.2MM



Figure similar

product brandname		SIRIUS
Product designation		Coupling relays with semiconductor output (not plug-in)
Design of the product		Output coupling links

General technical data		
Product component Plug-in socket		No
Product component Relay output		No
Product component semi-conductor output		Yes
Consumed active power	W	0.3
Insulation voltage for overvoltage category III according to IEC 60664		
• with degree of pollution 3 rated value	V	50
Type of voltage		DC
Thermal current	A	2
Design of the switching function positively driven		No
Voltage drop when switched through maximum	mV	80
Switching voltage of the semiconductor output		
• at DC	V	10 ... 30

Ampacity of the semiconductor output		
• at DC	mA	5 ... 2 A
Leakage current of the electronics for control with signal <0>	mA	0.02
Shock resistance acc. to IEC 60068-2-27		sinusoidal half-wave 15g / 11 ms
Vibration resistance acc. to IEC 60068-2-6		6 ... 150 Hz: 2 g
Surge voltage resistance rated value	kV	2.5
Protection class IP		IP20
Equipment marking		
• acc. to DIN EN 81346-2		K
• acc. to DIN EN 61346-2		K
Display version LED		Yes
Switching frequency	Hz	100

Control circuit/ Control

Control supply voltage		
• at DC rated value	V	11 ... 30
Operating range factor control supply voltage rated value		
• at DC		1 ... 1

Auxiliary circuit

Type of switching contact		NO contact
Type of electrical connection for auxiliary and control current circuit		PUSH-IN connection (spring-loaded connection)
Number of NO contacts for auxiliary contacts		1

Inputs/ Outputs

Property of the output Short-circuit proof		Yes
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Electromagnetic compatibility

EMC emitted interference acc. to IEC 60947-1		ambience A (industrial sector)
EMI immunity acc. to IEC 60947-1		corresponds to degree of severity 3
Field-bound parasitic coupling acc. to IEC 61000-4-3		10 V/m
Conducted interference		
• due to conductor-earth surge acc. to IEC 61000-4-5		2 kV
• due to conductor-conductor surge acc. to IEC 61000-4-5		1 kV
• due to burst acc. to IEC 61000-4-4		2 kV
Electrostatic discharge acc. to IEC 61000-4-2		6 kV contact discharge / 8 kV air discharge

Connections/Terminals

Type of connectable conductor cross-sections		
• solid		1x (0.25 ... 2.5 mm²)
• finely stranded with core end processing		1x (0.25 ... 1.5 mm²)

Ambient temperature		
	• during operation	°C -25 ... +60
	• during storage	°C -40 ... +85
	• during transport	°C -40 ... +85
Relative humidity during operation	%	10 ... 95

Further information

Information- and Downloadcenter (Catalogs, Brochures,...)

<http://www.siemens.com/industrial-controls/catalogs>

Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RQ3052-2SM30>

Cax online generator

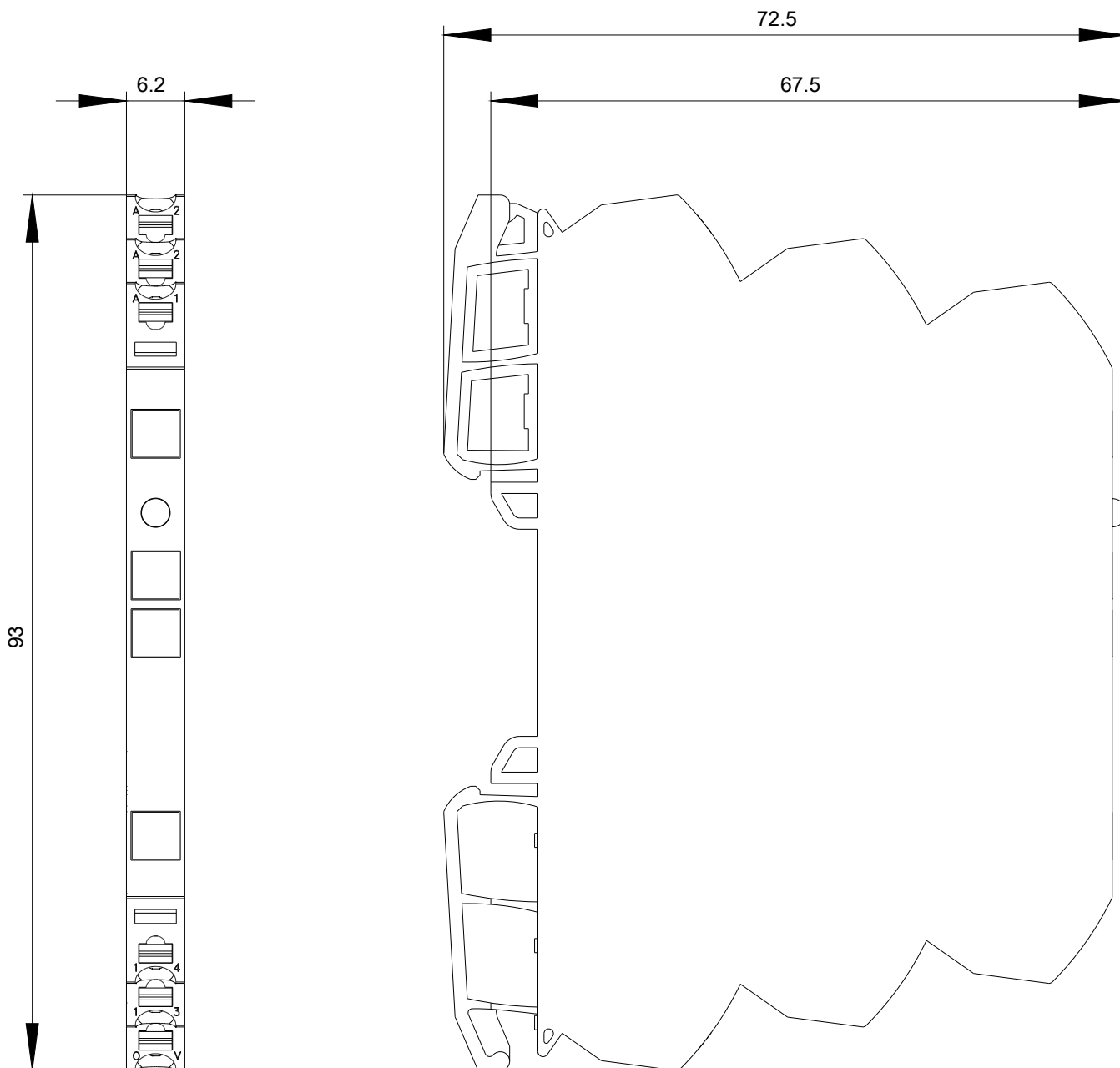
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RQ3052-2SM30>

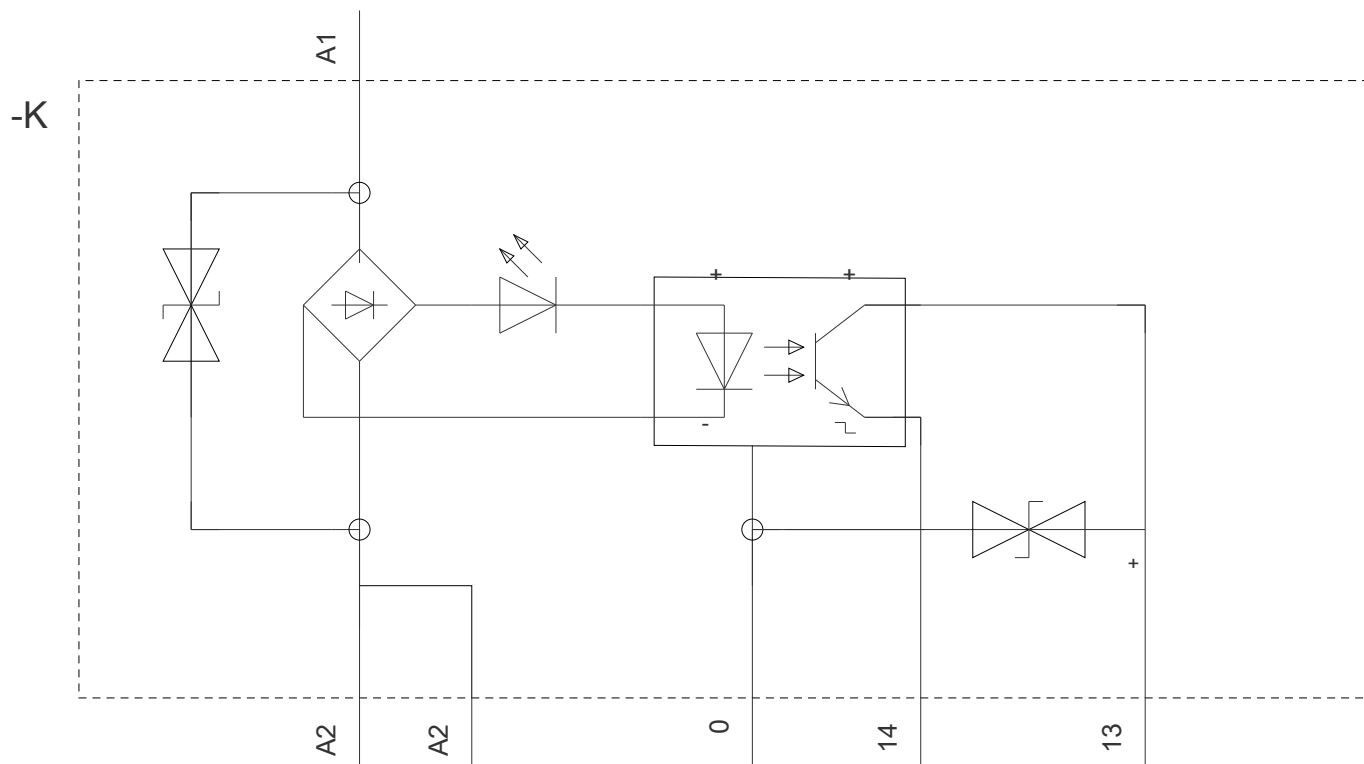
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

<https://support.industry.siemens.com/cs/ww/en/ps/3RQ3052-2SM30>

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

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RQ3052-2SM30&lang=en





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