

INTERFACE CONVERTER !!! PHASE-OUT PRODUCT !!! FOR FURTHER INFORMATION PLEASE CONTACT OUR SALES STAFF! AC/DC 24 V, 3 WAY SEPARATION ON: 0 TO 10 V; 0/4 TO 20 MA OFF: 0 TO 10 V; 0/4 TO 20 MA SCREW CONNECTION



General technical data

product brandname	SIRIUS
Product designation	multi-range converters
Design of the base unit	switchable, active
Number of channels	1
Ambient temperature - during operation - during transport - during storage	-25 ... +60 °C -40 ... +85 °C -40 ... +85 °C
Insulation voltage for overvoltage category III according to IEC 60664 with degree of pollution 2 rated value	50 V
Consumed active power	0.3 W
Protection class IP	IP20
Vibration resistance acc. to IEC 60068-2-6	10 ... 55 Hz: 0.35 mm
Shock resistance acc. to IEC 60068-2-27	15g / 11 ms
Equipment marking acc. to DIN EN 61346-2	K
Equipment marking acc. to DIN 40719 extended according to IEC 204-2 acc. to IEC 750	K

Connections/Terminals	
Type of electrical connection	screw-type terminals
Tightening torque with screw-type terminals	0.4 ... 0.5 N·m
Type of connectable conductor cross-sections	
• solid	1x (0.5 ... 2.5 mm ²)
• finely stranded with core end processing	2x (0.5 ... 2.5 mm ²)
• at AWG conductors	
— stranded	1x (20 ... 14)
Galvanic isolation	
Design of the electrical isolation	3 paths
Galvanic isolation	
• between entrance and outlet	Yes
• between the voltage supply and other circuits	Yes
Supply voltage	
Type of voltage	AC/DC
Supply voltage frequency rated value	50 ... 60 Hz
Supply voltage	
• at AC	
— at 50 Hz rated value	24 ... 24 V
— at 60 Hz rated value	24 ... 24 V
• at DC rated value	24 ... 24 V
Operating range factor supply voltage rated value	
• at AC	
— at 50 Hz	0.8 ... 1.2
— at 60 Hz	0.8 ... 1.2
• at DC	0.7 ... 1.25
Inputs	
Limit frequency	30 Hz
Input voltage maximum	30 V
Type of signal at input	0 ... 10 V, 0 ... 20 mA, 4 ... 20 mA
Outputs	
Load at the current output maximum	400 Ω
Load at voltage output maximum	1 kΩ
Property of the output Short-circuit proof	Yes
Overvoltage strength at the current output maximum	30 V
Type of signal at output	0 ... 10 V, 0 ... 20 mA, 4 ... 20 mA
Precision	
Relative metering precision	0.1 %
Relative linearity deviation	0.02 %
Temperature drift per °C	0.015 %/°C

Rise time	10 ms
Settling time for 1 % deviation	30 ms
Voltage ripple maximum	5 mV

Installation/ mounting/ dimensions

Mounting type	snap-on mounting on 35 mm DIN rail according to DIN EN 50022
Mounting position	any
Height	90 mm
Width	6.2 mm
Depth	92.5 mm

Certificates/approvals

General Product Approval	Declaration of Conformity	Test Certificates	other	
 UL		 EG-Konf.	spezielle Prüfbescheinigungen n	Umweltbestätigung Bestätigungen

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=3RS1705-1FE00>

Cax online generator

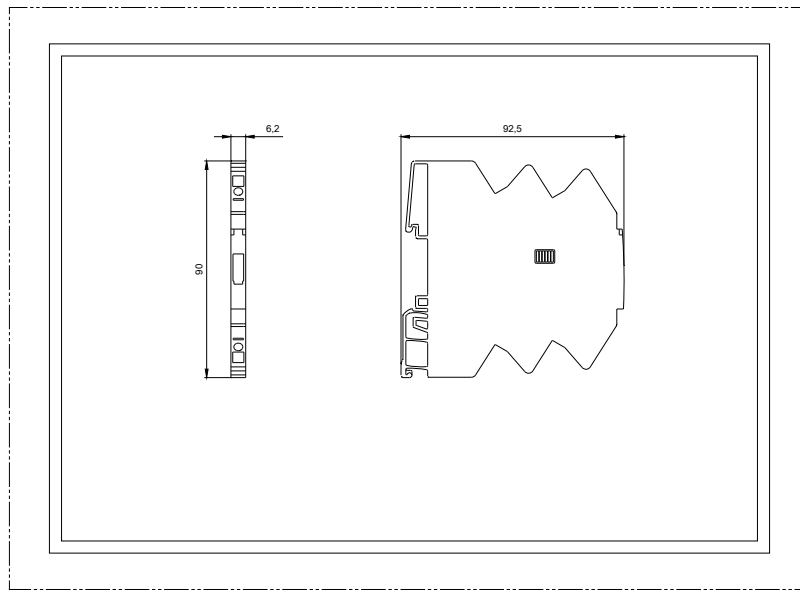
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RS1705-1FE00>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3RS1705-1FE00>

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

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RS1705-1FE00&lang=en



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