SIEMENS

Data sheet 3RS1720-1ET00



Figure similar

interface converter Phased-out product !!! For further information, please contact our sales department Loop power isolator, 1-channel input: 0/4-20 mA output: 0/4-20 mA Width 6.2 mm screw terminal

product brand name	SIRIUS
product designation	single interface converter
General technical data	
design of the base unit	passive
number of channels	1
insulation voltage for overvoltage category III according to IEC 60664 with degree of pollution 2 rated value	50 V
voltage drop at operating equipment	2.7 V
shock resistance according to IEC 60068-2-27	15 g / 11 ms
vibration resistance according to IEC 60068-2-6	10 ... 55 Hz: 0.35 mm
reference code according to IEC 81346-2	T
Substance Prohibitance (day/month/year)	07/01/2006
Net Weight	0.053 kg
Precision	
relative metering precision	0.1 %
relative linearity deviation	0.02 %
temperature drift per °C	0.01 %/°C
voltage ripple maximum	5 mV
relative output load error	0.06 %/Ω
Inputs/ Outputs	
property of the output short-circuit proof	Yes
type of signal at input	0/4 ... 20 mA
type of signal at output	0/4 ... 20 mA
output load	
● at the current output maximum	400 Ω
influence of the output load on measuring accuracy	0.06 %/100 Ω
Galvanic isolation	
design of the electrical isolation	2 paths
galvanic isolation	
● between input and output	Yes
Connections/ Terminals	
type of electrical connection	screw terminal
type of connectable conductor cross-sections	
● solid	1x (0.5 ... 2.5 mm²)
● finely stranded with core end processing	2x (0.5 ... 2.5 mm²)
● for AWG cables stranded	2x (20 ... 16)
connectable conductor cross-section	
● solid	0.5 ... 2.5 mm²

Subject to change without notice
© Copyright Siemens

● finely stranded with core end processing	0.5 ... 2.5 mm²
AWG number as coded connectable conductor cross section	
● solid	20 ... 14
● stranded	20 ... 16
tightening torque with screw-type terminals	0.4 ... 0.5 N·m

Installation/ mounting/ dimensions

mounting position	any
fastening method	snap-on mounting on 35 mm DIN rail according to DIN EN 50022
height	79 mm
width	6.2 mm
depth	84 mm

Ambient conditions

ambient temperature	
● during operation	-25 ... +60 °C
● during storage	-40 ... +85 °C
● during transport	-40 ... +85 °C

Approvals Certificates

Environment	General Product Approval	EMV	Test Certificates	other
Environmental Confirmations			Type Test Certificates/Test Report	Confirmation

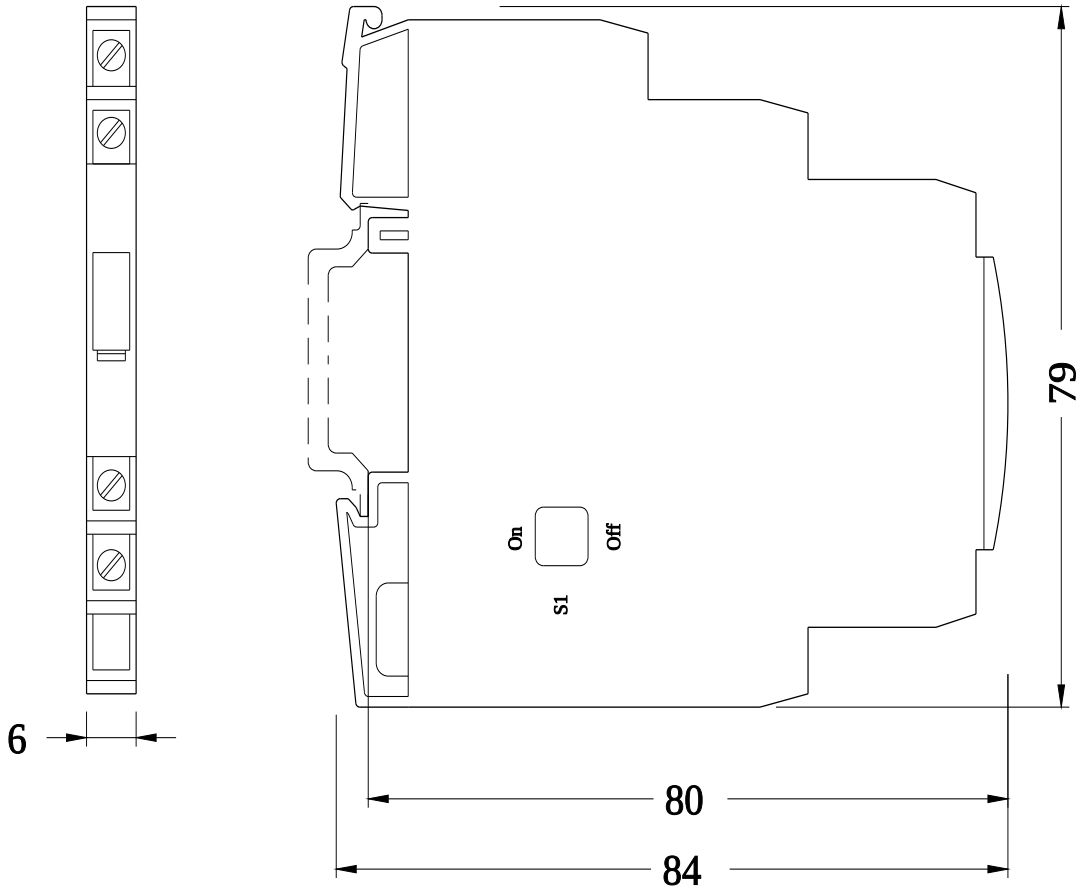
other



Further information

Information on the packaging
https://support.industry.siemens.com/cs/ww/en/view/109813875
Information for data generation and storage
https://support.industry.siemens.com/cs/ww/en/view/109995012
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=3RS1720-1ET00
Cax online generator
https://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RS1720-1ET00
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
https://support.industry.siemens.com/cs/ww/en/ps/3RS1720-1ET00
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)
https://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RS1720-1ET00&lang=en

Subject to change without notice
© Copyright Siemens



last modified: 4/4/2026

Subject to change without notice
© Copyright Siemens