SIEMENS

Product data sheet

3RS1700-1DD00



INTERFACE CONVERTER AC/DC 24 V, 2 WAY SEPARATION ON: 0 TO 10 V OFF: 4 TO 20 MA SCREW CONNECTION

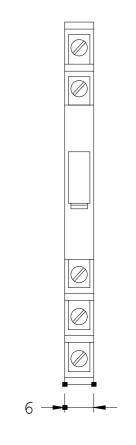
General technical details:				
product brand name		SIRIUS		
product designation		single interface converter		
Design of the base unit		active		
Number of channels		1		
Ambient temperature				
during operating	°C	-25 +60		
during transport	°C	-40 +85		
during storage	°C	-40 +85		
Insulation voltage / for overvoltage category III according to IEC 60664 / with degree of pollution 2 / rated value	V	50		
Recorded real power	W	0.3		
Protection class IP		IP20		
Resistance against vibration / according to IEC 60068-2-6		10 55 Hz: 0.35 mm		
Resistance against shock / according to IEC 60068-2-27		15g / 11 ms		
Item designation / according to DIN EN 61346-2		κ		
Item designation / according to DIN 40719 extendable after IEC 204- 2 / according to IEC 750		к		
Connections:				

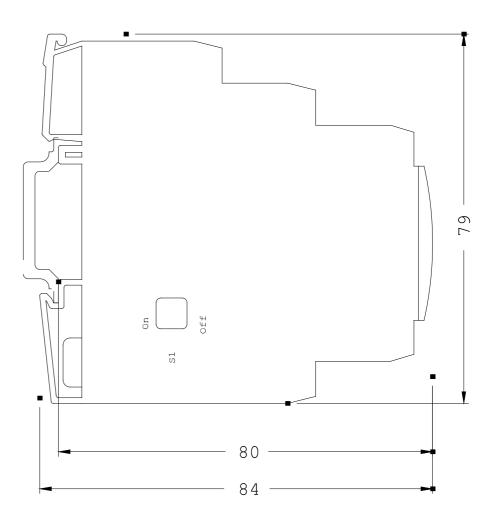
Design of the electrical connection

screw-type terminals

• with screw-type terminalsNm0.50.8Type of the connectable conductor crose-section • solidII• solidIII• firely stranded / with wire end processing • strandedIII• for AVG conductors • strandedIIII• strandedIIIIIObserved IsolationII <td< th=""><th>Tightening torque</th><th></th><th></th></td<>	Tightening torque		
• solidix (0.52.5 mm²)• finely stranded / with wire end processing • isr ANG conductors • stranded2x (0.52.5 mm²)• strandedix (2014)Colspan="2">Colspan="2"Colspan="2">Colspan="2"<	• with screw-type terminals	N∙m	0.5 0.8
• finely stranded / with wire end processing • for AWG conductors • strandedk (0 5 25 mm²)• for AWG conductors • strandedk (2 0 14)Calvanic isolation:2 pathsCalvanic isolation:VasOutpain isolation:Vas• between thance and outletVas• between the voltage supply and other circuitsVasSupply voltage • rated valueACDCSupply voltage frequency • rated valueACD• rated valueVas• rated valueVas<	Type of the connectable conductor cross-section		
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• stranded1x (20 14)Calvanic isolation:Design of the electrical isolationObtamic isolation:Obtamic isolation:• between entrance and outlet• between entrance and outlet• between the voltage supply and other circuits:Supply voltageSupply voltage frequency:• claded value• also Niz / for AC• rated value• rated value• rated value• also Niz / for AC• rated value• rated value<	 finely stranded / with wire end processing 		2x (0.5 2.5 mm²)
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Input voltage / typical V 24 Outputs: Burden / at the current output / maximum Ω 400 Characteristic feature of the output / short-circuit protected Yes Overvoltage strength / at the current output / maximum V 30 Type of signal		V	30
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Characteristic feature of the output / short-circuit protected Yes Overvoltage strength / at the current output / maximum V 30 Type of signal V V	Outputs:		
Overvoltage strength / at the current output / maximum V 30 Type of signal V 30	Burden / at the current output / maximum	Ω	400
Type of signal	Characteristic feature of the output / short-circuit protected		Yes
	Overvoltage strength / at the current output / maximum	V	30
• secondary side 4 20 mA	Type of signal		
	secondary side		4 20 mA

 at the input 			0 10 V			
Precision:						
Relative metering precision		%	0.1			
Relative linearity deviation		%	0.02			
Temperature drift per °C		%/°C	0.015			
Rise time		ms	10			
Settling time / for 1 % conformity error		ms	30			
Ripple of voltage / maximum		mV	5			
Installation/mounting/dimensions:						
Type of mounting			snap-on mounting on 35 mm DIN rail according to DIN EN 50022			
mounting position			any			
Height		mm	79			
Width		mm	6.2			
Depth		mm	84			
Certificates/approvals:						
General Product Approval	Test Certificates	other				
	Special Test Certificate	Declaration c Conformity	f Environmental Confirmations			
Further information:						
Information- and Downloadcenter (Catalogs, Brochures,) http://www.siemens.com/industrial-controls/catalogs						
Industry Mall (Online ordering system) http://www.siemens.com/industrial-controls/mall						
CAx-Online-Generator http://www.siemens.com/cax						
Service&Support (Manuals, Certificates, Characteristics, FAQs,) http://support.automation.siemens.com/WW/view/en/3RS1700-1DD00/all						
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams,) http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3RS1700-1DD00						







last change:

Feb 11, 2013