SIEMENS

Data sheet 3RS7025-1FE00



Separation amplifier with Manual-Auto switch 24 V AC/DC, 3-way separation input: 0-10 V, 0/4-20 mA output: 0-10 V, 0/4-20 mA screw terminal

product brand name	SIRIUS		
product category	Signal converter		
product designation	multi-range converters		
design of the product	active, switchable, with manual/automatic switching and setting potentiometer		
product type designation	3RS70		
General technical data			
display version LED	Yes		
number of channels	1		
consumed active power	0.5 W		
insulation voltage for overvoltage category III according to IEC 60664 with degree of pollution 3 rated value	50 V		
surge voltage resistance rated value	4 000 V		
protection class IP	IP20		
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		
reference code according to IEC 81346-2	Т		
Substance Prohibitance (Date)	03/25/2015		
Supply voltage			
supply voltage at AC			
 at 50 Hz rated value 	24 V		
at 60 Hz rated value	24 V		
supply voltage at DC rated value	24 V		
supply voltage frequency rated value	60 50 Hz		
operating range factor supply voltage rated value			
• at AC at 50 Hz	0.8 1.1		
• at AC at 60 Hz	0.8 1.1		
• at DC	0.8 1.1		
Precision			
relative metering precision	0.1 %		
relative linearity deviation	0.05 %		
temperature drift per °C	0.015 %/°C		
voltage ripple maximum	20 mV		
limit frequency	30 Hz		
settling time for 1 % deviation	17 ms		
rise time	6 ms		
Main circuit			
type of voltage	AC/DC		
Inputs/ Outputs			

Property of the output short-circuit proof Yes	innut voltago	30 V		
type of signal at input type of signal at input type of signal at output imput impedance of current input maximum imput impedance of votage input minimum output load **at votage output iminimum **bood O **Bectromagnetic compatibitity **EMC emitted inference according to IEC 60947-1 **EMC emitted inference according to IEC 60947-1 **orducted inference according to IEC 60947-1 **orducted inference according to IEC 61000-4-2 **of the to burst according to IEC 61000-4-3 **of the to burst according to IEC 61000-4-3 **electrostatic discharge according to IEC 61000-4-2 **of the conductor-conductor surge according to IEC 61000-4-3 **electrostatic discharge according to IEC 61000-4-2 **Ordumic solution **galvanic isolation **apartic isolation **specific isolation **specific isolation **pecific isolation **specific isolation	input voltage			
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	— backwards	0 mm		

— upwards	0 mm		
— downwards	0 mm		
— at the side	0 mm		
Ambient conditions			
installation altitude at height above sea level maximum	2 000 m		
ambient temperature			
during operation	-25 +60 °C		
during storage	-40 +80 °C		
during transport	-40 +80 °C		
relative humidity during operation	10 95 %		
Certificates/ approvals			
General Product Approval		Declaration of Conformity	Test Certificates



Confirmation







Type Test Certificates/Test Report

Marine / Shipping

other



Confirmation

Further information

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=3RS7025-1FE00

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RS7025-1FE00

Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3RS7025-1FE00

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

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RS7025-1FE00&lang=en

Characteristic: Derating

https://support.industry.siemens.com/cs/ww/en/ps/3RS7025-1FE00/manual

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