## SIEMENS

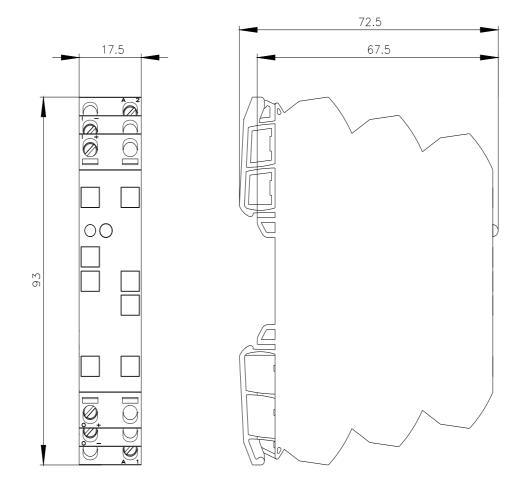
## Data sheet

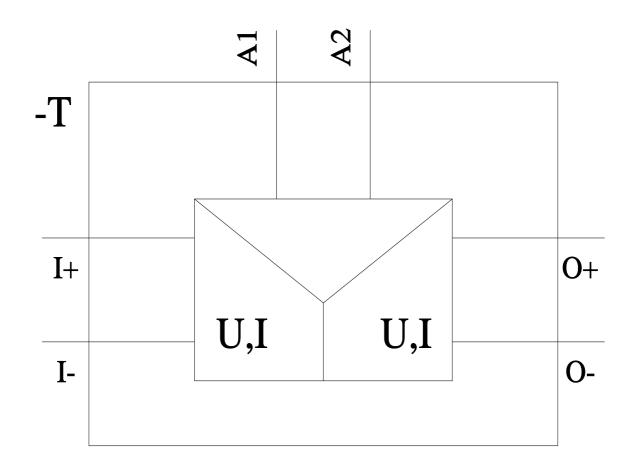
## 3RS7005-1FW00



tune of signal at output	$0  10 \setminus 0  20 \mod 4  20 \mod 4$
type of signal at output input impedance of current input maximum	0 10 V, 0 20 mA, 4 20 mA 100 Ω
input impedance of voltage input minimum	330 kΩ
output load	550 Kt2
at voltage output minimum	2 kΩ
at the current output maximum	500 Ω
Electromagnetic compatibility	
EMC emitted interference according to IEC 60947-1	Environment B
EMC immunity according to IEC 60947-1	corresponds to degree of severity 3
conducted interference	corresponds to degree of sevenity 5
due to burst according to IEC 61000-4-4	1 kV 5/50 ns
<ul> <li>due to conductor-conductor surge according to IEC</li> </ul>	1 kV
61000-4-5	
field-based interference according to IEC 61000-4-3	10 V/m
electrostatic discharge according to IEC 61000-4-2	6 kV contact discharge / 8 kV air discharge
Galvanic isolation	
design of the electrical isolation	3 paths
galvanic isolation	
<ul> <li>between input and output</li> </ul>	Yes
<ul> <li>between the outputs</li> </ul>	No
between the inputs	No
<ul> <li>between the voltage supply and other circuits</li> </ul>	Yes
Connections/ Terminals	
type of electrical connection	screw-type 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 mm <sup>2</sup> )
• at AWG cables solid	1 x (20 14)
connectable conductor cross-section <ul> <li>solid</li> </ul>	0.25 2.5 mm <sup>2</sup>
<ul> <li>finely stranded with core end processing</li> </ul>	0.25 2.5 mm <sup>2</sup>
AWG number as coded connectable conductor cross	0.23 1.3 mm
section	
• solid	20 14
tightening torque with screw-type terminals	0.5 0.6 N·m
Installation/ mounting/ dimensions	
mounting position	any
fastening method	snap-on mounting
height	93 mm
width	17.5 mm
depth	72.5 mm
required spacing	
<ul><li>required spacing</li><li>with side-by-side mounting</li></ul>	72.5 mm
<ul> <li>required spacing</li> <li>with side-by-side mounting</li> <li>forwards</li> </ul>	72.5 mm 0 mm
<ul> <li>required spacing</li> <li>with side-by-side mounting</li> <li>— forwards</li> <li>— backwards</li> </ul>	72.5 mm 0 mm 0 mm
required spacing • with side-by-side mounting — forwards — backwards — upwards	72.5 mm 0 mm 0 mm 0 mm
required spacing • with side-by-side mounting — forwards — backwards — upwards — downwards	72.5 mm 0 mm 0 mm 0 mm 0 mm
required spacing • with side-by-side mounting — forwards — backwards — upwards — downwards — at the side	72.5 mm 0 mm 0 mm 0 mm
required spacing • with side-by-side mounting — forwards — backwards — upwards — downwards	72.5 mm 0 mm 0 mm 0 mm 0 mm
required spacing <ul> <li>with side-by-side mounting</li> <li>forwards</li> <li>backwards</li> <li>upwards</li> <li>downwards</li> <li>at the side</li> <li>for grounded parts</li> </ul>	72.5 mm 0 mm 0 mm 0 mm 0 mm 0 mm
required spacing • with side-by-side mounting — forwards — backwards — upwards — downwards — at the side • for grounded parts — forwards	72.5 mm 0 mm 0 mm 0 mm 0 mm 0 mm 0 mm
required spacing • with side-by-side mounting — forwards — backwards — upwards — downwards — at the side • for grounded parts — forwards — backwards	72.5 mm 0 mm 0 mm 0 mm 0 mm 0 mm 0 mm 0 mm
required spacing • with side-by-side mounting — forwards — backwards — upwards — downwards — at the side • for grounded parts — forwards — backwards — upwards	72.5 mm 0 mm 0 mm 0 mm 0 mm 0 mm 0 mm 0 mm 0 mm 0 mm
required spacing • with side-by-side mounting — forwards — backwards — upwards — downwards — at the side • for grounded parts — forwards — backwards — upwards — upwards — at the side — downwards • for live parts	72.5 mm 0 mm
required spacing  • with side-by-side mounting  — forwards — backwards — upwards — downwards — at the side • for grounded parts — forwards — backwards — upwards — upwards — at the side — downwards • for live parts — forwards — forwards — forwards	72.5 mm 0 mm
required spacing  • with side-by-side mounting  — forwards — backwards — upwards — downwards — at the side • for grounded parts — forwards — backwards — upwards — at the side — downwards • for live parts — forwards — backwards — backwards — backwards • for live parts — forwards — backwards — backwards	72.5 mm 0 mm
required spacing • with side-by-side mounting — forwards — backwards — upwards — downwards — at the side • for grounded parts — forwards — backwards — upwards — at the side — downwards • for live parts — forwards — forwards — upwards — upwards	72.5 mm 0 mm
required spacing • with side-by-side mounting — forwards — backwards — upwards — downwards — at the side • for grounded parts — forwards — backwards — upwards — at the side — downwards • for live parts — forwards — forwards — backwards — downwards — downwards — downwards — backwards — backwards — backwards — backwards — backwards — backwards — upwards — downwards	72.5 mm 0 mm
required spacing  • with side-by-side mounting  — forwards  — backwards — upwards — downwards — at the side  • for grounded parts — forwards — backwards — upwards — at the side — downwards • for live parts — forwards — backwards — upwards — downwards — at the side — downwards — at the side	72.5 mm 0 mm
required spacing      with side-by-side mounting      forwards      backwards      upwards      downwards      at the side      for grounded parts      forwards      backwards      upwards      downwards      for live parts      for vards      backwards      upwards      downwards      for live parts      downwards      downwards	72.5 mm 0 mm
required spacing  • with side-by-side mounting  — forwards  — backwards — upwards — downwards — at the side  • for grounded parts — forwards — backwards — upwards — at the side — downwards • for live parts — forwards — backwards — upwards — downwards — at the side — downwards — at the side	72.5 mm 0 mm

<ul><li>during operation</li><li>during storage</li></ul>	n		+60 °C +80 °C			
<ul> <li>during transport</li> </ul>	rt	-40	+80 °C			
relative humidity duri	ng operation	10	. 95 %			
Certificates/ approva	ls					
General Product A	oproval			Declaration of Con	formity	
() E	<u>Confirmation</u>		EHC	CE EG-Konf.	UK CA	
Test Certificates	Marine / Shipping	other				
<u>Type Test Certific-</u> ates/Test Report	DNV-GL DNV-GL	<u>Confirmation</u>				
Further information Siemens has decided to exit the Russian market (see here).						
			wn-russian-business			
https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business Siemens is working on the renewal of the current EAC certificates. Please contact your local Siemens office on the status of validity of the EAC certification if you intend to import or offer to supply these products to an EAC relevant market (other than the sanctioned EAEU member states Russia or Belarus). Information on the packaging						
https://support.industry.siemens.com/cs/ww/en/view/109813875 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=3RS7005-1FW00						
Cax online generate	or ation.siemens.com/WW/	/CAXorder/default.aspx	?lang=en&mlfb=3RS7(	005-1FW00		
https://support.indust	lanuals, Certificates, ( ry.siemens.com/cs/ww/	en/ps/3RS7005-1FW00	2			
	n.siemens.com/bilddb/c			t diagrams, EPLAN ma I	icros,)	
https://support.indust	ry.siemens.com/cs/ww/	en/ps/3RS7005-1FW00	<u>)/manual</u>			





## last modified:

12/23/2020 🖸