SIEMENS

Data sheet

3RS7005-1FW00



type of signal at output	0 10 V, 0 20 mA, 4 20 mA
input impedance of current input maximum	100 Ω
input impedance of voltage input minimum	330 kΩ
output load	240
 at voltage output minimum at the current output maximum 	2 kΩ 500 Ω
Electromagnetic compatibility	500 12
	Environment B
EMC emitted interference according to IEC 60947-1 EMC immunity according to IEC 60947-1	corresponds to degree of severity 3
conducted interference	corresponds to degree or seventy 5
due to burst according to IEC 61000-4-4	1 kV 5/50 ns
due to conductor-conductor surge according to IEC 61000-4-5	1 kV
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	
 between input and output 	Yes
 between the outputs 	No
 between the inputs 	No
 between the voltage supply and other circuits 	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 ²)
at AWG cables solid	1 x (20 14)
connectable conductor cross-section	0.05 0.5 mm²
Solid Solid	0.25 2.5 mm² 0.25 1.5 mm²
 finely stranded with core end processing AWG number as coded connectable conductor cross section 	0.25 1.5 mm²
• solid	20 14
 solid tightening torque with screw-type terminals 	20 14 0.5 0.6 N·m
tightening torque with screw-type terminals	
tightening torque with screw-type terminals Installation/ mounting/ dimensions	0.5 0.6 N·m
tightening torque with screw-type terminals Installation/ mounting/ dimensions mounting position	0.5 0.6 N·m any
tightening torque with screw-type terminals Installation/ mounting/ dimensions mounting position fastening method	0.5 0.6 N·m any snap-on mounting
tightening torque with screw-type terminals Installation/ mounting/ dimensions mounting position fastening method height width depth	0.5 0.6 N·m any snap-on mounting 93 mm
tightening torque with screw-type terminals Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing	0.5 0.6 N·m any snap-on mounting 93 mm 17.5 mm
tightening torque with screw-type terminals Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing • with side-by-side mounting	0.5 0.6 N·m any snap-on mounting 93 mm 17.5 mm 72.5 mm
tightening torque with screw-type terminals Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing • with side-by-side mounting — forwards	0.5 0.6 N·m any snap-on mounting 93 mm 17.5 mm 72.5 mm 0 mm
tightening torque with screw-type terminals Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing • with side-by-side mounting forwards backwards	0.5 0.6 N·m any snap-on mounting 93 mm 17.5 mm 72.5 mm 0 mm 0 mm
tightening torque with screw-type terminals Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing • with side-by-side mounting — forwards — backwards — upwards	0.5 0.6 N·m any snap-on mounting 93 mm 17.5 mm 72.5 mm 0 mm 0 mm 0 mm
tightening torque with screw-type terminals Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing • with side-by-side mounting _ forwards _ backwards _ upwards _ downwards	0.5 0.6 N·m any snap-on mounting 93 mm 17.5 mm 72.5 mm 0 mm 0 mm 0 mm 0 mm 0 mm
tightening torque with screw-type terminals Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing • with side-by-side mounting - forwards - backwards - upwards - downwards - at the side	0.5 0.6 N·m any snap-on mounting 93 mm 17.5 mm 72.5 mm 0 mm 0 mm 0 mm
tightening torque with screw-type terminals Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing • with side-by-side mounting - forwards - backwards - upwards - downwards - at the side • for grounded parts	0.5 0.6 N·m any snap-on mounting 93 mm 17.5 mm 72.5 mm 0 mm 0 mm 0 mm 0 mm 0 mm 0 mm
tightening torque with screw-type terminals Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing • with side-by-side mounting - forwards - backwards - upwards - downwards - at the side	0.5 0.6 N·m any snap-on mounting 93 mm 17.5 mm 72.5 mm 0 mm 0 mm 0 mm 0 mm 0 mm
tightening torque with screw-type terminals Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing • with side-by-side mounting - forwards - backwards - upwards - downwards - at the side • for grounded parts - forwards - for	0.5 0.6 N·m any snap-on mounting 93 mm 17.5 mm 72.5 mm 0 mm 0 mm 0 mm 0 mm 0 mm 0 mm 0 mm 0 mm
tightening torque with screw-type terminals Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing • with side-by-side mounting	0.5 0.6 N·m any snap-on mounting 93 mm 17.5 mm 72.5 mm 0 mm 0 mm 0 mm 0 mm 0 mm 0 mm 0 mm 0 mm
tightening torque with screw-type terminals Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing • with side-by-side mounting	0.5 0.6 N·m any snap-on mounting 93 mm 17.5 mm 72.5 mm 0 mm
tightening torque with screw-type terminals Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing • with side-by-side mounting	0.5 0.6 N·m any snap-on mounting 93 mm 17.5 mm 72.5 mm 0 mm
tightening torque with screw-type terminals Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing • with side-by-side mounting	0.5 0.6 N·m any snap-on mounting 93 mm 17.5 mm 72.5 mm 0 mm
tightening torque with screw-type terminals Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing • with side-by-side mounting - forwards - backwards - backwards - upwards - a the side • for grounded parts - forwards - backwards - upwards - at the side - downwards - at the side - downwards - at the side - for live parts - forwards - backwards - backwards - backwards - forwards - forwards - backwards - backwards - at the side - forwards - forwards - backwards - backw	0.5 0.6 N·m any snap-on mounting 93 mm 17.5 mm 72.5 mm 0 mm
tightening torque with screw-type terminals Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing • with side-by-side mounting — forwards — backwards — upwards — downwards — at the side • for grounded parts — forwards — backwards — upwards — forwards — forwards — at the side • for grounded parts — forwards — backwards — upwards — backwards — forwards — backwards — upwards — forwards — backwards — upwards — upwards — at the side — forwards — backwards — upwards — at the side — downwards — at the side — downwards — at the side — upwards — upwards — upwards — upwards — upwards — upwards	0.5 0.6 N·m any snap-on mounting 93 mm 17.5 mm 72.5 mm 0 mm
tightening torque with screw-type terminals Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing • with side-by-side mounting — forwards — backwards — upwards — downwards — at the side • for grounded parts — forwards — backwards — upwards — forwards — at the side • for grounded parts — forwards — backwards — backwards — backwards — at the side • for grounded parts — forwards — backwards — backwards — upwards — backwards — upwards — at the side — other side — other side — other side — other side — upwards — upwards — upwards — at the side — downwards — upwards — upwards — upwards — upwards — downwards — forwards — upwards — upw	0.5 0.6 N·m any snap-on mounting 93 mm 17.5 mm 72.5 mm 0 mm
tightening torque with screw-type terminals Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing • with side-by-side mounting	0.5 0.6 N·m any snap-on mounting 93 mm 17.5 mm 72.5 mm 0 mm
tightening torque with screw-type terminals Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing • with side-by-side mounting	0.5 0.6 N·m any snap-on mounting 93 mm 17.5 mm 72.5 mm 0 mm
tightening torque with screw-type terminals Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing • with side-by-side mounting	0.5 0.6 N·m any snap-on mounting 93 mm 17.5 mm 72.5 mm 0 mm

during operatio during storage during transpor relative humidity durin Certificates/ approval General Product Ap	t ng operation s	-40 -40	+60 °C +80 °C +80 °C 95 %	Declaration of Con	formity	
SP.	<u>Confirmation</u>	(U) u	EHC	CE EG-Konf.	UK CA	
Test Certificates	Marine / Shipping	other				
Type Test Certific- ates/Test Report		<u>Confirmation</u>				
Further information						
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 generator						
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RS7005-1FW00						
Service&Support (Manuals, Certificates, Characteristics, FAQs,) <u>https://support.industry.siemens.com/cs/ww/en/ps/3RS7005-1FW00</u> Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros,) <u>http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RS7005-1FW00⟨=en</u>						
Characteristic: Derating https://support.industry.siemens.com/cs/ww/en/ps/3RS7005-1FW00/manual						





last modified:

12/23/2020 🖸