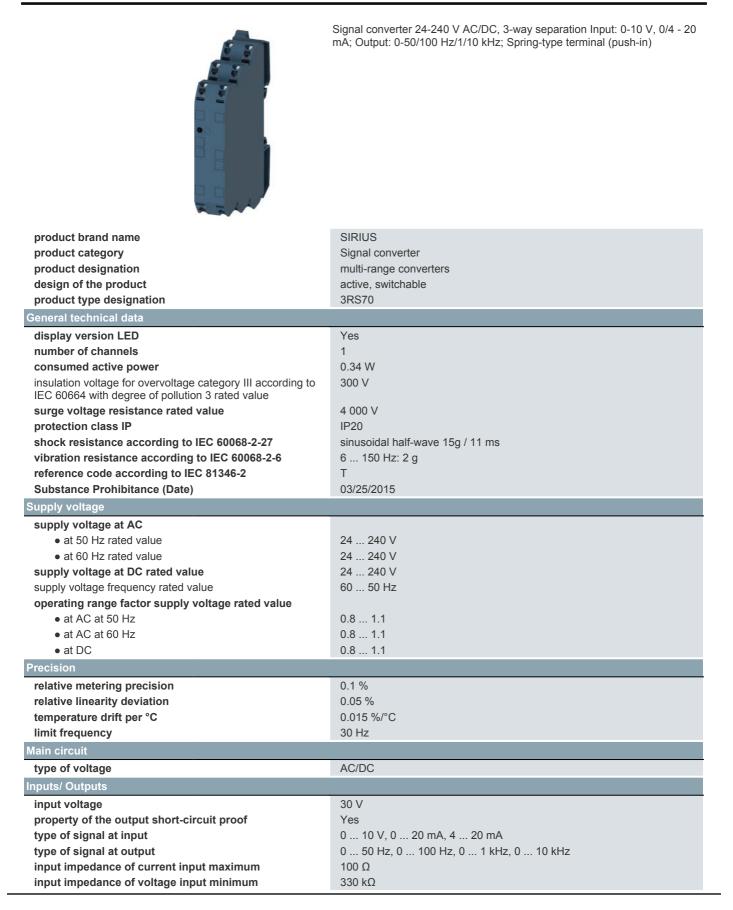
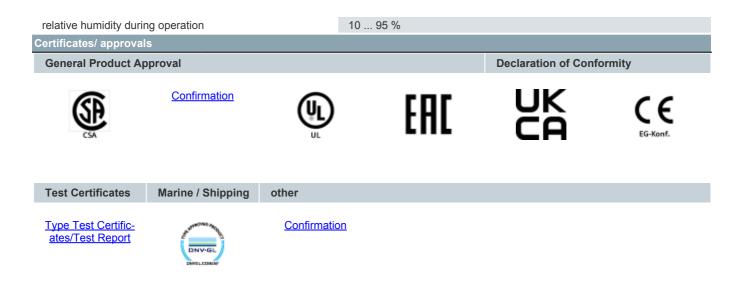
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Data sheet

3RS7005-2KW00



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	concepting to degree of devenity of
due to burst according to IEC 61000-4-4	1 kV 5/50 ns
due to conductor-conductor surge according to IEC	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	
 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	spring-loaded terminals
type of connectable conductor cross-sections	$1 \times (0.25 - 2.5 \text{ mm}^2)$
 solid finely stranded with core and processing 	$1x (0.25 \dots 2.5 \text{ mm}^2)$
 finely stranded with core end processing finely stranded without core end processing 	1x (0.25 1.5 mm²) 1x (0.25 2.5 mm²)
at AWG cables solid	1 x (20 14)
at AWG cables solid	1x (20 14)
connectable conductor cross-section	
• solid	0.25 2.5 mm²
 finely stranded with core end processing 	0.25 1.5 mm²
 finely stranded without core end processing 	0.25 2.5 mm²
AWG number as coded connectable conductor cross section	
• solid	20 14
• stranded	20 14
Installation/ mounting/ dimensions	
mounting position	any
mounting position fastening method	snap-on mounting
mounting position fastening method height	snap-on mounting 93 mm
mounting position fastening method height width	snap-on mounting 93 mm 17.5 mm
mounting position fastening method height width depth	snap-on mounting 93 mm
mounting position fastening method height width depth required spacing	snap-on mounting 93 mm 17.5 mm
mounting position fastening method height width depth	snap-on mounting 93 mm 17.5 mm
mounting position fastening method height width depth required spacing • with side-by-side mounting	snap-on mounting 93 mm 17.5 mm 72.5 mm
mounting position fastening method height width depth required spacing • with side-by-side mounting — forwards	snap-on mounting 93 mm 17.5 mm 72.5 mm 0 mm
mounting position fastening method height width depth required spacing • with side-by-side mounting — forwards — backwards	snap-on mounting 93 mm 17.5 mm 72.5 mm 0 mm 0 mm
mounting position fastening method height width depth required spacing • with side-by-side mounting — forwards — backwards — upwards — downwards — at the side	snap-on mounting 93 mm 17.5 mm 72.5 mm 0 mm 0 mm 0 mm
mounting position fastening method height width depth required spacing • with side-by-side mounting — forwards — backwards — upwards — downwards	snap-on mounting 93 mm 17.5 mm 72.5 mm 0 mm 0 mm 0 mm 0 mm 0 mm 0 mm
mounting position fastening method height width depth required spacing • with side-by-side mounting — forwards — backwards — backwards — upwards — downwards — at the side • for grounded parts — forwards	snap-on mounting 93 mm 17.5 mm 72.5 mm 0 mm 0 mm 0 mm 0 mm 0 mm 0 mm
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 — at che side	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
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 — upwards — upwards — upwards — upwards — upwards — upwards — upwards — upwards — upwards	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
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 — backwards — upwards — at the side • at the side	snap-on mounting 93 mm 17.5 mm 72.5 mm 0 mm
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 — upwards — downwards — at the side — downwards — upwards — upwards	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
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 — backwards — backwards — upwards — the side • for grounded parts — forwards — backwards — backwards — upwards — other side — other side	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
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 — backwards — backwards — backwards — the side • for grounded parts — forwards — backwards — backwards — backwards — upwards — at the side — downwards — at the side — for live parts — forwards	snap-on mounting 93 mm 17.5 mm 72.5 mm 0 mm
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 — backwards — upwards — backwards — upwards — of orwards — the side — downwards — backwards — upwards — at the side — downwards — at the side — downwards — at the side — downwards — backwards — upwards — at the side — downwards — backwards — backwards	snap-on mounting 93 mm 17.5 mm 72.5 mm 0 mm
mounting position fastening method height width depth required spacing • with side-by-side mounting — forwards — backwards — backwards — upwards — at the side • for grounded parts — forwards — backwards — backwards — upwards — at the side — downwards • for live parts — forwards • for live parts — backwards — backwards — upwards • for live parts — forwards — backwards — upwards	snap-on mounting 93 mm 17.5 mm 72.5 mm 0 mm
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 — backwards — upwards — backwards — upwards — of orwards — the side — downwards — backwards — upwards — at the side — downwards — at the side — downwards — at the side — downwards — backwards — upwards — at the side — downwards — backwards — backwards	snap-on mounting 93 mm 17.5 mm 72.5 mm 0 mm
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 — backwards — upwards — at the side — downwards • for live parts — forwards • for live parts — forwards — backwards — upwards — downwards • for live parts — forwards — backwards — upwards — backwards — upwards — forwards — backwards — upwards — backwards — upwards — backwards — upwards — upwards	snap-on mounting 93 mm 17.5 mm 72.5 mm 0 mm
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 — backwards — upwards — at the side — downwards • for live parts — forwards — forwards — at the side — downwards • for live parts — forwards — backwards — upwards — at the side — downwards — forwards — backwards — at the side — downwards — backwards — upwards — at the side — downwards — at the side	snap-on mounting 93 mm 17.5 mm 72.5 mm 0 mm
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 – backwards – at the side • for grounded parts – forwards – backwards – upwards – backwards – upwards – at the side – downwards • for live parts – forwards – backwards – upwards – downwards – at the side Motion conditions	snap-on mounting 93 mm 17.5 mm 72.5 mm 0 mm
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 – backwards – backwards – backwards – upwards – for grounded parts – forwards – backwards – upwards – backwards – upwards – at the side – downwards – backwards – upwards – backwards – upwards – downwards – at the side Mbient conditions installation altitude at height above sea level maximum ambient temperature	snap-on mounting 93 mm 17.5 mm 72.5 mm 0 mm
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 – backwards – at the side • for grounded parts – forwards – backwards – upwards – backwards – upwards – at the side – downwards • for live parts – forwards – backwards – upwards – downwards – at the side Motion conditions	snap-on mounting 93 mm 17.5 mm 72.5 mm 0 mm
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 – backwards – upwards – at the side – forwards – backwards – upwards – at the side – downwards • for live parts – forwards – backwards – upwards – downwards – at the side – downwards – at the side – downwards – at the side Mbient conditions installation altitude at height above sea level maximum ambient temperature • during operation	snap-on mounting 93 mm 17.5 mm 72.5 mm 0 mm



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=3RS7005-2KW00

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RS7005-2KW00

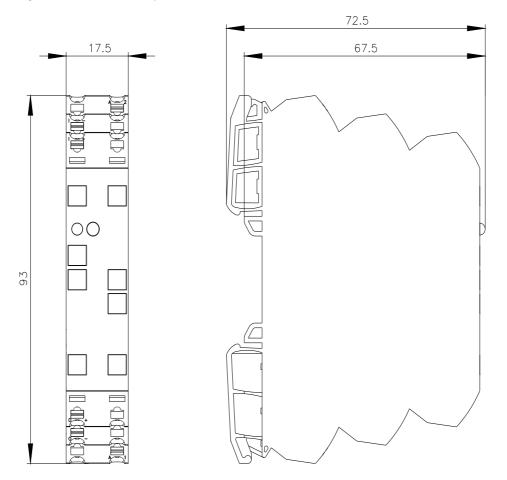
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

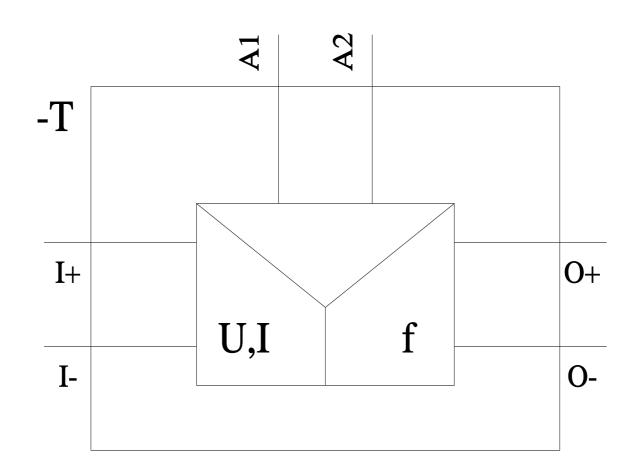
https://support.industry.siemens.com/cs/ww/en/ps/3RS7005-2KW00

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RS7005-2KW00&lang=en

Characteristic: Derating

https://support.industry.siemens.com/cs/ww/en/ps/3RS7005-2KW00/manual





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