SIEMENS

Data sheet 3RS7005-2KE00



Separation amplifier 24 V AC/DC, 3-way separation input: 0-10 V, 0/4-20 mA; output: 0-50/100 Hz/1/10 kHz; Spring-type terminal (push-in)

SIRIUS
Signal converter
multi-range converters
active, switchable
3RS70
Yes
1
0.29 W
50 V
2 500 V
IP20
sinusoidal half-wave 15g / 11 ms
6 150 Hz: 2 g
Т
03/25/2015
24 V
24 V
24 V
60 50 Hz
0.8 1.1
0.8 1.1
0.8 1.1
0.1 %
0.05 %
0.015 %/°C
30 Hz
17 ms
AC/DC
30 V
Yes
0 10 V, 0 20 mA, 4 20 mA

lowest looped and a face of the section of the sect	100.0
input impedance of current input maximum	100 Ω
input impedance of voltage input minimum	330 kΩ
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	
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	spring-loaded terminals
type of connectable conductor cross-sections	, 5
• solid	1x (0.25 2.5 mm²)
finely stranded with core end processing	1x (0.25 1.5 mm²)
finely stranded without core end processing finely stranded without core end processing	1x (0.25 2.5 mm²)
for AWG cables solid	1 x (20 14)
for AWG cables stranded	1x (20 14)
connectable conductor cross-section	1A (20 14)
• solid	0.25 2.5 mm²
	0.25 1.5 mm ²
finely stranded without core end processing finely stranded without core and processing	0.25 2.5 mm ²
• finely stranded without core end processing AWG number as coded connectable conductor cross	0.25 2.5
section	
• solid	20 14
	20 14 20 14
solid stranded	
solid stranded Installation/ mounting/ dimensions	20 14
solid stranded Installation/ mounting/ dimensions mounting position	20 14 any
solid stranded Installation/ mounting/ dimensions mounting position fastening method	20 14
solid stranded Installation/ mounting/ dimensions mounting position fastening method height	20 14 any snap-on mounting 93 mm
solid stranded Installation/ mounting/ dimensions mounting position fastening method height width	20 14 any snap-on mounting
solid stranded Installation/ mounting/ dimensions mounting position fastening method height width depth	20 14 any snap-on mounting 93 mm 6.2 mm
solid stranded Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing	20 14 any snap-on mounting 93 mm 6.2 mm
solid stranded Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing	any snap-on mounting 93 mm 6.2 mm 72.5 mm
solid stranded Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing	any snap-on mounting 93 mm 6.2 mm 72.5 mm
solid stranded Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing with side-by-side mounting — forwards — backwards	any snap-on mounting 93 mm 6.2 mm 72.5 mm
solid stranded Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing with side-by-side mounting — forwards — backwards — upwards	any snap-on mounting 93 mm 6.2 mm 72.5 mm
solid stranded Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing with side-by-side mounting — forwards — backwards — upwards — downwards	any snap-on mounting 93 mm 6.2 mm 72.5 mm 0 mm 0 mm 0 mm 0 mm
solid stranded Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing with side-by-side mounting — forwards — backwards — upwards — downwards — at the side	any snap-on mounting 93 mm 6.2 mm 72.5 mm
solid stranded 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	20 14 any snap-on mounting 93 mm 6.2 mm 72.5 mm 0 mm 0 mm 0 mm 0 mm 0 mm 0 mm
solid stranded Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing with side-by-side mounting	any snap-on mounting 93 mm 6.2 mm 72.5 mm 0 mm 0 mm 0 mm 0 mm 0 mm 0 mm 0 mm
solid stranded 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 — at the side for grounded parts — forwards — backwards	any snap-on mounting 93 mm 6.2 mm 72.5 mm 0 mm 0 mm 0 mm 0 mm 0 mm 0 mm 0 mm
solid stranded 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 — at the side ofor grounded parts — forwards — backwards — upwards	any snap-on mounting 93 mm 6.2 mm 72.5 mm 0 mm 0 mm 0 mm 0 mm 0 mm 0 mm 0 mm
solid stranded 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 — at the side for grounded parts — installation/mounting	20 14 any snap-on mounting 93 mm 6.2 mm 72.5 mm 0 mm 0 mm 0 mm 0 mm 0 mm 0 mm 0 mm
stranded 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 — at the side of or grounded parts — at the side — downwards	any snap-on mounting 93 mm 6.2 mm 72.5 mm 0 mm 0 mm 0 mm 0 mm 0 mm 0 mm 0 mm
stranded 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 at the side for grounded parts forwards upwards forwards for	any snap-on mounting 93 mm 6.2 mm 72.5 mm 0 mm 0 mm 0 mm 0 mm 0 mm 0 mm 0 mm
stranded 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 at the side for grounded parts forwards at the side forwards downwards forwards for live parts forwards	any snap-on mounting 93 mm 6.2 mm 72.5 mm 0 mm 0 mm 0 mm 0 mm 0 mm 0 mm 0 mm
stranded 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 at the side for grounded parts forwards backwards upwards forwards backwards for live parts forwards forwards backwards backwards backwards backwards for live parts forwards backwards backwards	any snap-on mounting 93 mm 6.2 mm 72.5 mm 0 mm 0 mm 0 mm 0 mm 0 mm 0 mm 0 mm
stranded 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 at the side for grounded parts forwards at the side for live parts forwards for live parts forwards backwards upwards for live parts forwards backwards upwards forlive parts forwards backwards upwards upwards	any snap-on mounting 93 mm 6.2 mm 72.5 mm 0 mm 0 mm 0 mm 0 mm 0 mm 0 mm 0 mm
stranded 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 — at the side for grounded parts — forwards — backwards — upwards — at the side — downwards — at the side — downwards — at the side — downwards for live parts — forwards — backwards — upwards — backwards — upwards — backwards — backwards — backwards — backwards — upwards — downwards	any snap-on mounting 93 mm 6.2 mm 72.5 mm 0 mm 0 mm 0 mm 0 mm 0 mm 0 mm 0 mm
stranded 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 — at the side for grounded parts — forwards — backwards — upwards — backwards — upwards — at the side — downwards for live parts — forwards — backwards — upwards — downwards of or live parts — forwards — backwards — upwards — backwards — backwards — backwards — backwards — backwards — backwards — at the side	any snap-on mounting 93 mm 6.2 mm 72.5 mm 0 mm 0 mm 0 mm 0 mm 0 mm 0 mm 0 mm
stranded 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 — at the side for grounded parts — forwards — backwards — upwards — at the side — downwards — at the side — downwards — at the side — downwards for live parts — forwards — backwards — upwards — backwards — upwards — backwards — backwards — backwards — backwards — upwards — downwards	any snap-on mounting 93 mm 6.2 mm 72.5 mm 0 mm 0 mm 0 mm 0 mm 0 mm 0 mm 0 mm

ambient temperature

during operation

• during storage

during transport

rage -40 ... +80 °C nsport -40 ... +80 °C

relative humidity during operation

Certificates/ approvals

General Product Approval

Declaration of Conformity



Confirmation





-25 ... +60 °C

10 ... 95 %





Test Certificates

Marine / Shipping

other

Type Test Certificates/Test Report



Confirmation

Further information

Siemens has decided to exit the Russian market (see here).

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=3RS7005-2KE00

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RS7005-2KE00

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

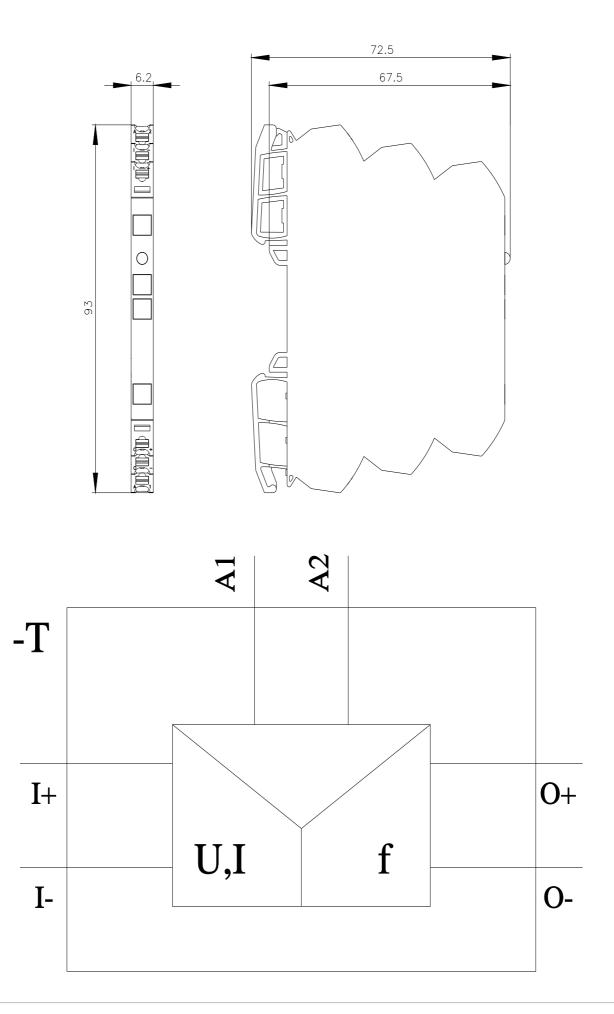
https://support.industry.siemens.com/cs/ww/en/ps/3RS7005-2KE00

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

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RS7005-2KE00&lang=en

Characteristic: Derating

https://support.industry.siemens.com/cs/ww/en/ps/3RS7005-2KE00/manual



last modified: 12/23/2020 🖸

