SIEMENS

Data sheet 3UF7300-1AB00-0



Digital module, 4 inputs and 2 relay outputs, input voltage 24 V DC, relay outputs monostable, max. 2 digital modules, for SIMOCODE pro V basic

product brand name

SIRIUS

product designation General technical data product component • input for thermistor connection Nο Yes • digital input

• input for analog temperature sensors • input for ground fault detection

relay output

consumed active power

insulation voltage with degree of pollution 3 at AC rated

surge voltage resistance rated value

protection class IP

shock resistance according to IEC 60068-2-27 vibration resistance according to IEC 60068-2-6

switching capacity current of the NO contacts of the relay outputs at AC-15

• at 24 V • at 120 V

• at 230 V

switching capacity current of the NO contacts of the relay outputs at DC-13

• at 24 V

• at 60 V

• at 125 V

mechanical service life (switching cycles) typical electrical endurance (switching cycles) typical

reference code according to IEC 81346-2 continuous current of the NO contacts of the relay outputs

• at 50 °C

• at 60 °C

Substance Prohibitance (Date)

certificate of suitability according to ATEX directive 2014/34/EU

explosion device group and category according to ATEX directive 2014/34/EU

digital modules

No

No

Yes

0.7 W 300 V

4 000 V

IP20

15g / 11 ms

1 ... 6 Hz: 15 mm, 6 ... 500 Hz: 2g

6 A

6 A

3 A

2 A

0.55 A

0.25 A

10 000 000

100 000

Κ

6 A

5 A

05/01/2012

BVS 06 ATEX F001

II (2) G, II (2) D, I (M2)

Electromagnetic compatibility

EMC emitted interference according to IEC 60947-1

EMC immunity according to IEC 60947-1

conducted interference

• due to burst according to IEC 61000-4-4 • due to conductor-earth surge according to IEC class A

corresponds to degree of severity 3

1 kV 2 kV

61000-4-5 • due to conductor-conductor surge according to IEC 1 kV 10 V • due to high-frequency radiation according to IEC 61000-4-6 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 conducted HF interference emissions according to corresponds to degree of severity A CISPR11 field-bound HF interference emission according to corresponds to degree of severity A CISPR11 Inputs/ Outputs product function · parameterizable inputs Yes • parameterizable outputs Yes number of inputs 4 number of digital inputs 4 • with a common reference potential 4 digital input version • type 1 acc. to IEC 61131 No • type 2 acc. to IEC 61131 Yes number of analog inputs 0 24 V input voltage at digital input at DC rated value 2 number of outputs number of semiconductor outputs 0 number of outputs as contact-affected switching 2 element number of analog outputs 0 switching behavior monostable property of contacts of the relay outputs Floating NO contacts (NC reaction parameterizable via internal signal conditioning), connected to common ground, can be freely assigned to the control functions (e.g. line, star (wye), delta contactor or signaling of the operating state) wire length for digital signals maximum 300 m Installation/ mounting/ dimensions mounting position fastening method screw and snap-on mounting height 92 mm width 22.5 mm 124 mm depth required spacing • top 40 mm bottom 40 mm left 0 mm 0 mm right Connections/ Terminals product component removable terminal for auxiliary Yes and control circuit type of connectable conductor cross-sections solid 1x (0.5 ... 4.0 mm²), 2x (0.5 ... 2.5 mm²) • finely stranded with core end processing 1x (0.5 ... 2.5 mm²), 2x (0.5 ... 1.5 mm²) • at AWG cables solid 1x (20 ... 14), 2x (20 ... 16) • at AWG cables stranded 1x (20 ... 12), 2x (20 ... 14) tightening torque with screw-type terminals 0.8 ... 1.2 N·m 7 ... 10.3 lbf·in tightening torque [lbf·in] with screw-type terminals Ambient conditions installation altitude at height above sea level • 1 maximum 3 000 m; max. +50 °C (no protective separation) • 2 maximum 4 000 m; max. +40 °C (no protective separation) • 3 maximum ambient temperature -25 ... +60 °C · during operation -40 ... +80 °C · during storage

during transportenvironmental category

-40 ... +80 °C

 during operation according to IEC 60721 	3K6 (no formation of ice, no condensation), 3C3 (no salt mist), 3S2 (sand must not get into the devices), 3M6
 during storage according to IEC 60721 	3K6 (no formation of ice, no condensation), 3C3 (no salt mist), 3S2 (sand must not get into the devices), 3M6
 during transport according to IEC 60721 	3K6 (no formation of ice, no condensation), 3C3 (no salt mist), 3S2 (sand must not get into the devices), 3M6
relative humidity during operation	5 95 %
contact rating of auxiliary contacts according to UL	B300 / R300
Short-circuit protection	
design of short-circuit protection per output	Fuse links: gG 6 A, quick-response 10 A (IEC 60947-5-1), miniature circuit-breaker C char.: 1.6 A (IEC 60947-5-1) or 6 A (I_K < 500 A)
Safety related data	
touch protection against electrical shock	finger-safe
Galvanic isolation	
(electrically) protective separation according to IEC 60947-1	All circuits with protective separation (double creepage paths and clearances), the information in the "Protective Separation" test report, No. A0258, must be observed (link see further information)
Control circuit/ Control	
type of voltage of the control supply voltage	DC
type of voltage of the control supply voltage control supply voltage at DC	DC
	DC 24 V
control supply voltage at DC	
control supply voltage at DC • rated value operating range factor control supply voltage rated	
control supply voltage at DC • rated value operating range factor control supply voltage rated value at DC	24 V
control supply voltage at DC • rated value operating range factor control supply voltage rated value at DC • initial value	24 V 0.8



General Product Approval



Confirmation







EMC

For use in hazardous locations

Declaration of Conformity

Test Certificates

Marine / Shipping









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=3UF7300-1AB00-0

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3UF7300-1AB00-0

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

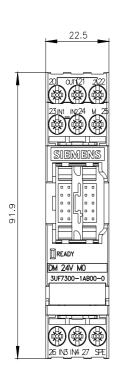
https://support.industry.siemens.com/cs/ww/en/ps/3UF7300-1AB00-0

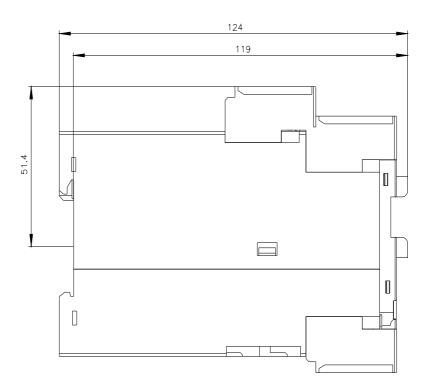
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

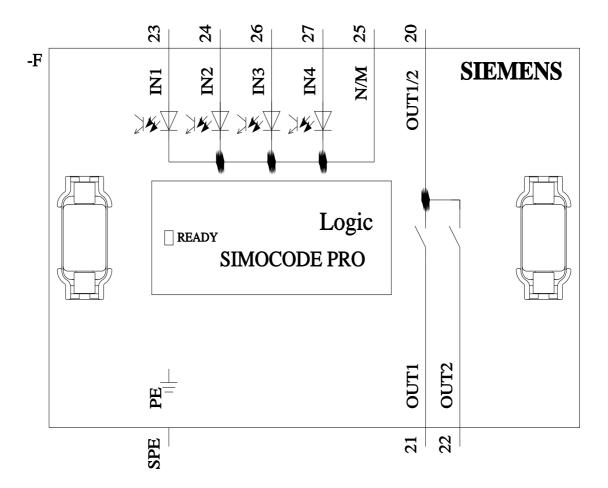
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3UF7300-1AB00-0&lang=en

Test report No. A0258, protective separation

https://support.industry.siemens.com/cs/ww/en/view/109748152







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