SIEMENS

Data sheet 3UF7011-1AU00-0



basic unit SIMOCODE pro V PN, Ethernet/PROFINET IO, PN system redundancy, OPC UA server, web server, transfer rate 100 Mbps, 2 x bus connection via RJ45, 4I/3O freely parameterizable, US: 110 - 240 V AC/DC, input for thermistor connection monostable relay outputs, expandable by expansion modules

product brand name	SIRIUS
product designation	Motor management system
design of the product	basic unit 3
product type designation	SIMOCODE pro V PN
General technical data	
product function	
 bus communication 	Yes
data acquisition function	Yes
 diagnostics function 	Yes
 password protection 	Yes
• test function	Yes
maintenance function	Yes
product component	
 input for thermistor connection 	Yes
digital input	Yes
 input for analog temperature sensors 	No
 input for ground fault detection 	No
 relay output 	Yes
product extension	
• temperature monitoring module	Yes
current measuring module	Yes
 current/voltage measuring module 	Yes
• fail-safe digital I/O module	Yes
 ground-fault monitoring module 	Yes
 control unit with display 	Yes
• control unit	Yes
analog I/O module	Yes
apparent power consumption	8.3 VA
consumed active power	4.5 W
insulation voltage with degree of pollution 3 at AC rated value	300 V
surge voltage resistance rated value	4 000 V
protection class IP	IP20
shock resistance	
 according to IEC 60068-2-27 	15g / 11 ms
switching capacity current of the NO contacts of the relay outputs at AC-15	
• at 24 V	6 A
• at 120 V	6 A
● at 230 V	3 A
switching capacity current of the NO contacts of the relay outputs at DC-13	

1041/	
• at 24 V	2 A
• at 60 V	0.55 A
• at 125 V	0.25 A
mechanical service life (operating cycles) typical	10 000 000
electrical endurance (operating cycles) typical	100 000
buffering time in the event of power failure	0.02 s
reference code according to IEC 81346-2	F
continuous current of the NO contacts of the relay outputs	
● at 50 °C	6 A
• at 60 °C	5 A
type of input characteristic	Type 1 in accordance with EN 61131-2
Substance Prohibitance (Date)	03/01/2017
SVHC substance name	Blei - 7439-92-1 Bleimonoxid (Bleioxid) - 1317-36-8 Bleititanzirkonoxid - 12626-81-2 2,2',6,6'-Tetrabrom-4,4'-isopropylidendi - 79-94-7
certificate of suitability	
• IECEx	Yes; IECEx BVS 20.0020 / IECEx PTB 18.0004X
 according to ATEX directive 2014/34/EU 	BVS 06 ATEX F001, PTB 18 ATEX 5003 X
according to UKCA	ITS21UKEX0464, ITS21UKEX0455X
explosion device group and category according to ATEX directive 2014/34/EU	II (2) G, II (2) D, I (M2) / I (M2), II (1/2) G, II (1G/2D)
Electromagnetic compatibility	
EMC emitted interference according to IEC 60947-1	class A
EMC immunity according to IEC 60947-1	corresponds to degree of severity 3
conducted interference	
 due to burst according to IEC 61000-4-4 	2 kV (power ports) / 1 kV (signal ports)
 due to conductor-earth surge according to IEC 61000-4-5 	2 kV
 due to conductor-conductor surge according to IEC 61000-4-5 	1 kV
 due to high-frequency radiation according to IEC 61000- 4-6 	10 V
field-based interference according to IEC 61000-4-3	10 V/m
field-based interference according to IEC 61000-4-3 electrostatic discharge according to IEC 61000-4-2	10 V/m 6 kV contact discharge / 8 kV air discharge
electrostatic discharge according to IEC 61000-4-2 conducted HF interference emissions according to	6 kV contact discharge / 8 kV air discharge
electrostatic discharge according to IEC 61000-4-2 conducted HF interference emissions according to CISPR11	6 kV contact discharge / 8 kV air discharge corresponds to degree of severity A
electrostatic discharge according to IEC 61000-4-2 conducted HF interference emissions according to CISPR11 field-bound HF interference emission according to CISPR11	6 kV contact discharge / 8 kV air discharge corresponds to degree of severity A
electrostatic discharge according to IEC 61000-4-2 conducted HF interference emissions according to CISPR11 field-bound HF interference emission according to CISPR11 Inputs/ Outputs	6 kV contact discharge / 8 kV air discharge corresponds to degree of severity A
electrostatic discharge according to IEC 61000-4-2 conducted HF interference emissions according to CISPR11 field-bound HF interference emission according to CISPR11 Inputs/ Outputs product function	6 kV contact discharge / 8 kV air discharge corresponds to degree of severity A corresponds to degree of severity A
electrostatic discharge according to IEC 61000-4-2 conducted HF interference emissions according to CISPR11 field-bound HF interference emission according to CISPR11 Inputs/ Outputs product function • parameterizable inputs	6 kV contact discharge / 8 kV air discharge corresponds to degree of severity A corresponds to degree of severity A
electrostatic discharge according to IEC 61000-4-2 conducted HF interference emissions according to CISPR11 field-bound HF interference emission according to CISPR11 Inputs/ Outputs product function • parameterizable inputs • parameterizable outputs	6 kV contact discharge / 8 kV air discharge corresponds to degree of severity A corresponds to degree of severity A Yes Yes
electrostatic discharge according to IEC 61000-4-2 conducted HF interference emissions according to CISPR11 field-bound HF interference emission according to CISPR11 Inputs/ Outputs product function	6 kV contact discharge / 8 kV air discharge corresponds to degree of severity A corresponds to degree of severity A Yes Yes Yes
electrostatic discharge according to IEC 61000-4-2 conducted HF interference emissions according to CISPR11 field-bound HF interference emission according to CISPR11 Inputs/ Outputs product function	6 kV contact discharge / 8 kV air discharge corresponds to degree of severity A corresponds to degree of severity A Yes Yes 4 1
electrostatic discharge according to IEC 61000-4-2 conducted HF interference emissions according to CISPR11 field-bound HF interference emission according to CISPR11 Inputs/ Outputs product function	6 kV contact discharge / 8 kV air discharge corresponds to degree of severity A corresponds to degree of severity A Yes Yes 4 1
electrostatic discharge according to IEC 61000-4-2 conducted HF interference emissions according to CISPR11 field-bound HF interference emission according to CISPR11 Inputs/ Outputs product function	6 kV contact discharge / 8 kV air discharge corresponds to degree of severity A corresponds to degree of severity A Yes Yes 4 1 4 Yes
electrostatic discharge according to IEC 61000-4-2 conducted HF interference emissions according to CISPR11 field-bound HF interference emission according to CISPR11 Inputs/ Outputs product function	6 kV contact discharge / 8 kV air discharge corresponds to degree of severity A corresponds to degree of severity A Yes Yes 4 1 4 Yes 24 V
electrostatic discharge according to IEC 61000-4-2 conducted HF interference emissions according to CISPR11 field-bound HF interference emission according to CISPR11 Inputs/ Outputs product function	6 kV contact discharge / 8 kV air discharge corresponds to degree of severity A corresponds to degree of severity A Yes Yes 4 1 4 Yes 24 V 3
electrostatic discharge according to IEC 61000-4-2 conducted HF interference emissions according to CISPR11 field-bound HF interference emission according to CISPR11 Inputs/ Outputs product function	6 kV contact discharge / 8 kV air discharge corresponds to degree of severity A corresponds to degree of severity A Yes Yes 4 1 4 Yes 24 V 3 0
electrostatic discharge according to IEC 61000-4-2 conducted HF interference emissions according to CISPR11 field-bound HF interference emission according to CISPR11 Inputs/ Outputs product function	6 kV contact discharge / 8 kV air discharge corresponds to degree of severity A corresponds to degree of severity A Yes Yes 4 1 4 Yes 24 V 3 0 3
electrostatic discharge according to IEC 61000-4-2 conducted HF interference emissions according to CISPR11 field-bound HF interference emission according to CISPR11 Inputs/ Outputs product function	6 kV contact discharge / 8 kV air discharge corresponds to degree of severity A corresponds to degree of severity A Yes Yes 4 1 4 Yes 24 V 3 0 3 monostable
electrostatic discharge according to IEC 61000-4-2 conducted HF interference emissions according to CISPR11 field-bound HF interference emission according to CISPR11 Inputs/ Outputs product function	6 kV contact discharge / 8 kV air discharge corresponds to degree of severity A corresponds to degree of severity A Yes Yes 4 1 4 Yes 24 V 3 0 3 monostable Monostable
electrostatic discharge according to IEC 61000-4-2 conducted HF interference emissions according to CISPR11 field-bound HF interference emission according to CISPR11 Inputs/ Outputs product function	6 kV contact discharge / 8 kV air discharge corresponds to degree of severity A corresponds to degree of severity A Yes Yes 4 1 4 Yes 24 V 3 0 3 monostable
electrostatic discharge according to IEC 61000-4-2 conducted HF interference emissions according to CISPR11 field-bound HF interference emission according to CISPR11 Inputs/ Outputs product function	6 kV contact discharge / 8 kV air discharge corresponds to degree of severity A corresponds to degree of severity A Yes Yes 4 1 4 Yes 24 V 3 0 3 monostable Monostable Monostable 300 m
electrostatic discharge according to IEC 61000-4-2 conducted HF interference emissions according to CISPR11 field-bound HF interference emission according to CISPR11 Inputs/ Outputs product function	6 kV contact discharge / 8 kV air discharge corresponds to degree of severity A corresponds to degree of severity A Yes Yes 4 1 4 Yes 24 V 3 0 3 monostable Monostable 300 m
electrostatic discharge according to IEC 61000-4-2 conducted HF interference emissions according to CISPR11 field-bound HF interference emission according to CISPR11 Inputs/ Outputs product function	6 kV contact discharge / 8 kV air discharge corresponds to degree of severity A corresponds to degree of severity A Yes Yes 4 1 4 Yes 24 V 3 0 3 monostable Monostable 300 m 50 m 150 m
electrostatic discharge according to IEC 61000-4-2 conducted HF interference emissions according to CISPR11 field-bound HF interference emission according to CISPR11 Inputs/ Outputs product function	6 kV contact discharge / 8 kV air discharge corresponds to degree of severity A corresponds to degree of severity A Yes Yes 4 1 4 Yes 24 V 3 0 3 monostable Monostable 300 m
electrostatic discharge according to IEC 61000-4-2 conducted HF interference emissions according to CISPR11 field-bound HF interference emission according to CISPR11 Inputs/ Outputs product function	6 kV contact discharge / 8 kV air discharge corresponds to degree of severity A corresponds to degree of severity A Yes Yes 4 1 4 Yes 24 V 3 0 3 monostable Monostable 300 m 50 m 150 m
electrostatic discharge according to IEC 61000-4-2 conducted HF interference emissions according to CISPR11 field-bound HF interference emission according to CISPR11 Inputs/ Outputs product function • parameterizable inputs • parameterizable outputs number of inputs • for thermistor connection number of digital inputs with a common reference potential digital input version • type 1 acc. to IEC 61131 input voltage at digital input at DC rated value number of outputs number of outputs number of outputs as contact-affected switching element switching behavior type of relay outputs wire length for digital signals maximum wire length for thermistor connection • with conductor cross-section = 0.5 mm² maximum • with conductor cross-section = 2.5 mm² maximum • with conductor cross-section = 2.5 mm² maximum Protective and monitoring functions product function	6 kV contact discharge / 8 kV air discharge corresponds to degree of severity A corresponds to degree of severity A Yes Yes 4 1 4 Yes 24 V 3 0 3 monostable Monostable Monostable 300 m 50 m 150 m 250 m
electrostatic discharge according to IEC 61000-4-2 conducted HF interference emissions according to CISPR11 field-bound HF interference emission according to CISPR11 Inputs/ Outputs product function	6 kV contact discharge / 8 kV air discharge corresponds to degree of severity A corresponds to degree of severity A Yes Yes Yes 4 1 4 Yes 24 V 3 0 3 monostable Monostable Monostable 300 m 50 m 150 m 250 m
electrostatic discharge according to IEC 61000-4-2 conducted HF interference emissions according to CISPR11 field-bound HF interference emission according to CISPR11 Inputs/ Outputs product function parameterizable inputs product function for thermistor connection number of digital inputs with a common reference potential digital input version type 1 acc. to IEC 61131 input voltage at digital input at DC rated value number of outputs number of outputs number of outputs as contact-affected switching element switching behavior type of relay outputs wire length for digital signals maximum wire length for thermistor connection with conductor cross-section = 0.5 mm² maximum with conductor cross-section = 1.5 mm² maximum with conductor cross-section = 2.5 mm² maximum with conductor cross-section = 2.5 mm² maximum protective and monitoring functions product function asymmetry detection blocking current evaluation	6 kV contact discharge / 8 kV air discharge corresponds to degree of severity A corresponds to degree of severity A Yes Yes Yes 4 1 4 Yes 24 V 3 0 3 monostable Monostable 300 m 50 m 150 m 250 m
electrostatic discharge according to IEC 61000-4-2 conducted HF interference emissions according to CISPR11 field-bound HF interference emission according to CISPR11 Inputs/ Outputs product function	6 kV contact discharge / 8 kV air discharge corresponds to degree of severity A corresponds to degree of severity A Yes Yes Yes 4 1 4 Yes 24 V 3 0 3 monostable Monostable Monostable 300 m 50 m 150 m 250 m

	v.
phase failure detection	Yes
phase sequence recognition	Yes
 voltage detection 	Yes
monitoring of number of start operations	Yes
overvoltage detection	Yes
 overcurrent detection 1 phase 	Yes
 undervoltage detection 	Yes
 undercurrent detection 1 phase 	Yes
active power monitoring	Yes
product function	
current detection	Yes
 overload protection 	Yes
evaluation of thermistor motor protection	Yes
total cold resistance number of sensors in series maximum	1.5 kΩ
response value of thermoresistor	3 400 3 800 Ω
of the short-circuit control	9 Ω
release value of thermoresistor	1 500 1 650 Ω
Motor control functions	
product function	
 parameterizable overload relay 	Yes
circuit breaker control	Yes
direct start	Yes
reverse starting	Yes
star-delta circuit	Yes
star-delta reversing circuit	Yes
Dahlander circuit	Yes
Dahlander reversing circuit	Yes
pole-changing switch circuit	Yes
 pole-changing switch reversing circuit 	Yes
slide control	Yes
 valve control 	Yes
Communication/ Protocol	
Communication/ Protocol protocol is supported	
	No
protocol is supported	No Yes
protocol is supported • PROFIBUS DP protocol	
protocol is supported • PROFIBUS DP protocol • PROFINET IO protocol	Yes
protocol is supported • PROFIBUS DP protocol • PROFINET IO protocol • PROFIsafe protocol	Yes Yes
protocol is supported • PROFIBUS DP protocol • PROFINET IO protocol • PROFIsafe protocol • Modbus RTU	Yes Yes No
protocol is supported PROFIBUS DP protocol PROFINET IO protocol PROFIsafe protocol Modbus RTU EtherNet/IP	Yes Yes No No
protocol is supported PROFIBUS DP protocol PROFINET IO protocol PROFIsafe protocol Modbus RTU EtherNet/IP OPC UA Server	Yes Yes No No Yes
protocol is supported PROFIBUS DP protocol PROFINET IO protocol PROFIsafe protocol Modbus RTU EtherNet/IP OPC UA Server	Yes Yes No No Yes Yes
protocol is supported PROFIBUS DP protocol PROFINET IO protocol PROFIsafe protocol Modbus RTU EtherNet/IP OPC UA Server LLDP Address Resolution Protocol (ARP)	Yes Yes No No Yes Yes Yes Yes
protocol is supported PROFIBUS DP protocol PROFINET IO protocol PROFIsafe protocol Modbus RTU EtherNet/IP OPC UA Server LLDP Address Resolution Protocol (ARP) SNMP	Yes Yes No No Yes Yes Yes Yes Yes
protocol is supported PROFIBUS DP protocol PROFINET IO protocol PROFIsafe protocol Modbus RTU EtherNet/IP OPC UA Server LLDP Address Resolution Protocol (ARP) SNMP HTTPS	Yes Yes No No No Yes Yes Yes Yes Yes Yes
protocol is supported PROFIBUS DP protocol PROFINET IO protocol PROFIsafe protocol Modbus RTU EtherNet/IP OPC UA Server LLDP Address Resolution Protocol (ARP) SNMP HTTPS NTP	Yes Yes No No Yes Yes Yes Yes Yes Yes Yes Yes
protocol is supported PROFIBUS DP protocol PROFINET IO protocol PROFIsafe protocol Modbus RTU EtherNet/IP OPC UA Server LLDP Address Resolution Protocol (ARP) SNMP HTTPS NTP Media Redundancy Protocol (MRP)	Yes Yes No No Yes Yes Yes Yes Yes Yes Yes Yes
protocol is supported PROFIBUS DP protocol PROFINET IO protocol PROFIsafe protocol Modbus RTU EtherNet/IP OPC UA Server LLDP Address Resolution Protocol (ARP) SNMP HTTPS NTP Media Redundancy Protocol (MRP)	Yes Yes No No Yes
protocol is supported PROFIBUS DP protocol PROFINET IO protocol PROFIsafe protocol Modbus RTU EtherNet/IP OPC UA Server LLDP Address Resolution Protocol (ARP) SNMP HTTPS NTP Media Redundancy Protocol (MRP) number of interfaces according to PROFINET	Yes Yes No No No Yes
protocol is supported PROFIBUS DP protocol PROFINET IO protocol PROFIsafe protocol Modbus RTU EtherNet/IP OPC UA Server LLDP Address Resolution Protocol (ARP) SNMP HTTPS NTP Media Redundancy Protocol (MRP) number of interfaces according to PROFIBUS	Yes Yes No No No Yes Yes Yes Yes Yes Yes Yes Yes Yes You Yes Yes Yes Yes Yes Yes
protocol is supported PROFIBUS DP protocol PROFINET IO protocol PROFIsafe protocol Modbus RTU EtherNet/IP OPC UA Server LLDP Address Resolution Protocol (ARP) SNMP HTTPS NTP Media Redundancy Protocol (MRP) number of interfaces according to PROFIBUS according to Ethernet/IP	Yes Yes No No No Yes Yes Yes Yes Yes Yes Yes Yes Yes You Yes Yes Yes Yes Yes Yes
protocol is supported PROFIBUS DP protocol PROFINET IO protocol PROFIsafe protocol Modbus RTU EtherNet/IP OPC UA Server LLDP Address Resolution Protocol (ARP) SNMP HTTPS NTP Media Redundancy Protocol (MRP) number of interfaces according to PROFIBUS according to Ethernet/IP product function	Yes Yes No No No Yes Yes Yes Yes Yes Yes Yes You O
protocol is supported PROFIBUS DP protocol PROFINET IO protocol PROFISafe protocol Modbus RTU EtherNet/IP OPC UA Server LLDP Address Resolution Protocol (ARP) SNMP HTTPS NTP Media Redundancy Protocol (MRP) number of interfaces according to PROFIBUS according to Ethernet/IP product function web server	Yes Yes No No No Yes Yes Yes Yes Yes Yes Yes You Yes Yes Yes Yes Yes
protocol is supported PROFIBUS DP protocol PROFINET IO protocol PROFIsafe protocol Modbus RTU EtherNet/IP OPC UA Server LLDP Address Resolution Protocol (ARP) SNMP HTTPS NTP Media Redundancy Protocol (MRP) number of interfaces according to PROFIBUS according to Ethernet/IP product function web server shared device	Yes Yes No No No Yes
protocol is supported PROFIBUS DP protocol PROFINET IO protocol PROFIsafe protocol Modbus RTU EtherNet/IP OPC UA Server LLDP Address Resolution Protocol (ARP) SNMP HTTPS NTP Media Redundancy Protocol (MRP) number of interfaces according to PROFINET according to PROFIBUS according to Ethernet/IP product function web server shared device at the Ethernet interface Autocrossover at the Ethernet interface Autonegotiation	Yes Yes No No No Yes
protocol is supported PROFIBUS DP protocol PROFINET IO protocol PROFIsafe protocol Modbus RTU EtherNet/IP OPC UA Server LLDP Address Resolution Protocol (ARP) SNMP HTTPS NTP Media Redundancy Protocol (MRP) number of interfaces according to PROFINET according to PROFIBUS according to Ethernet/IP product function web server shared device at the Ethernet interface Autocrossover at the Ethernet interface Autosensing	Yes Yes No No No Yes
protocol is supported PROFIBUS DP protocol PROFINET IO protocol PROFIsafe protocol Modbus RTU EtherNet/IP OPC UA Server LLDP Address Resolution Protocol (ARP) SNMP HTTPS NTP Media Redundancy Protocol (MRP) number of interfaces according to PROFINET according to PROFIBUS according to Ethernet/IP product function web server shared device at the Ethernet interface Autocrossover at the Ethernet interface Autonegotiation	Yes Yes No No No Yes
protocol is supported PROFIBUS DP protocol PROFINET IO protocol PROFIsafe protocol Modbus RTU EtherNet/IP OPC UA Server LLDP Address Resolution Protocol (ARP) SNMP HTTPS NTP Media Redundancy Protocol (MRP) number of interfaces according to PROFINET according to PROFIBUS according to Ethernet/IP product function web server shared device at the Ethernet interface Autocrossover at the Ethernet interface Autosensing Media Redundancy Protocol for Planned Duplication	Yes Yes No No No Yes
protocol is supported PROFIBUS DP protocol PROFINET IO protocol PROFIsafe protocol Modbus RTU EtherNet/IP OPC UA Server LLDP Address Resolution Protocol (ARP) SNMP HTTPS NTP Media Redundancy Protocol (MRP) number of interfaces according to PROFINET according to PROFIBUS according to Ethernet/IP product function web server shared device at the Ethernet interface Autocrossover at the Ethernet interface Autosensing Media Redundancy Protocol for Planned Duplication (MRPD)	Yes Yes No No No Yes
protocol is supported PROFIBUS DP protocol PROFINET IO protocol PROFISATE protocol Modbus RTU EtherNet/IP OPC UA Server LLDP Address Resolution Protocol (ARP) SNMP HTTPS NTP Media Redundancy Protocol (MRP) Media Redundancy Protocol (MRP) number of interfaces according to PROFINET according to PROFIBUS according to Ethernet/IP product function Web server Shared device at the Ethernet interface Autocrossover at the Ethernet interface Autosensing Media Redundancy Protocol for Planned Duplication (MRPD) is supported Device Level Ring (DLR)	Yes Yes No No No Yes
protocol is supported PROFIBUS DP protocol PROFINET IO protocol PROFISATE protocol Modbus RTU EtherNet/IP OPC UA Server LLDP Address Resolution Protocol (ARP) SNMP HTTPS NTP Media Redundancy Protocol (MRP) number of interfaces according to PROFIBUS according to PROFIBUS according to Ethernet/IP product function web server shared device at the Ethernet interface Autocrossover at the Ethernet interface Autosensing Media Redundancy Protocol for Planned Duplication (MRPD) is supported PROFINET system redundancy (S2)	Yes Yes No No No Yes

Avan of a water many insures	100 Mb#/a
transfer rate maximum PROFINET conformity class	100 Mbit/s C
identification & maintenance function	
	Yes
I&M0 - device-specific information I&M4 - higher level designation/legation designation	
I&M1 - higher level designation/location designation	Yes
I&M2 - installation date	Yes
• I&M3 - comment	Yes
type of electrical connection of the communication interface	2x RJ45
Installation/ mounting/ dimensions	
mounting position	any
fastening method	screw and snap-on mounting
height	111 mm
width	45 mm
depth	124 mm
required spacing	
• top	40 mm
• bottom	40 mm
● left	0 mm
• right	0 mm
Connections/ Terminals	
product component removable terminal for auxiliary and	Yes
control circuit	
type of connectable conductor cross-sections	4 (0 7 4 0 7) 0 (0 7 0 7 0 7
• 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)
 for AWG cables solid 	1x (20 12), 2x (20 14)
for AWG cables stranded	1x (20 14), 2x (20 16)
tightening torque with screw-type terminals	0.8 1.2 N·m
tightening torque [lbf·in] with screw-type terminals	7 10.3 lbf·in
Ambient conditions	
installation altitude at height above sea level	
• 1 maximum	2 000 m
• 2 maximum	3 000 m; max. +50 °C (no protective separation)
• 3 maximum	4 000 m; max. +40 °C (no protective separation)
ambient temperature	
during operation	-25 +60 °C
during storage	-40 +80 °C
during transport	-40 +80 °C
environmental category	
 during operation according to IEC 60721 	3K6 (no formation of ice, no condensation, relative humidity 10 95%), 3C3
	(no salt mist), 3S2 (sand must not get into the devices), 3M6
 during storage according to IEC 60721 	1K6 (no condensation, relative humidity 10 95%), 1C2 (no salt mist), 1S2 (sand must not get into the devices), 1M4
 during transport according to IEC 60721 	2K2, 2C1, 2S1, 2M2
relative humidity	2112, 201, 201, 2012
-	5 95 %
during operation contact rating of auxiliary contacts according to III.	
contact rating of auxiliary contacts according to UL	B300 / R300
Short-circuit protection	Fund links; aC 6 A guidy represed 40 A /IFC 00047 F 4) ministration in
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)
Electrical Safety	(
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),
(electrically) protective separation according to IEC 60947-1	the information in the "Protective Separation" test report, No. A0258, must be observed (link see further information)
Control circuit/ Control	
product function soft starter control	Yes
type of voltage of the control supply voltage	AC/DC
control supply voltage at AC	
• at 50 Hz rated value	110 240 V
at 60 Hz rated value	110 240 V
	

control supply voltage frequency	
1 rated value	50 Hz
• 2 rated value	60 Hz
relative symmetrical tolerance of the control supply voltage frequency	5 %
control supply voltage at DC	
rated value	110 240 V
operating range factor control supply voltage rated value at DC	
• initial value	0.85
full-scale value	1.1
operating range factor control supply voltage rated value at AC at 50 Hz	
• initial value	0.85
• full-scale value	1.1
operating range factor control supply voltage rated value at AC at 60 Hz	
• initial value	0.85
full-scale value	1.1
inrush current peak	
• at 240 V	15 A
duration of inrush current peak	
• at 240 V	1 ms
Approvals Certificates	

General Product Approval

EMC

For use in hazardous locations



Confirmation









For use in hazardous locations

Declaration of Conformity



IECEx



IECEx



Explosion Protection Certificate





Test Certificates

Marine / Shipping

Type Test Certificates/Test Report

Special Test Certific-

Special Test Certific-<u>ate</u>







Marine / Shipping

other



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

.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=3UF7011-1AU00-0

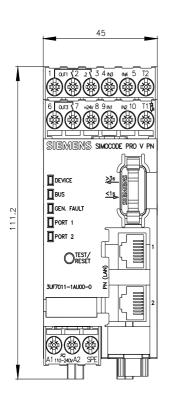
Cax online generator

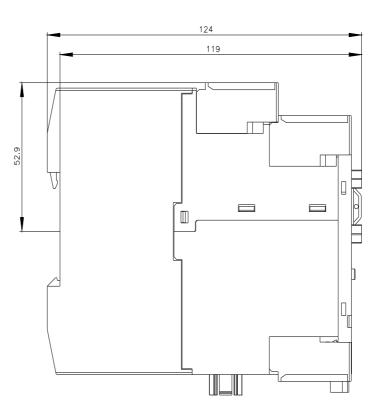
Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3UF7011-1AU00-0

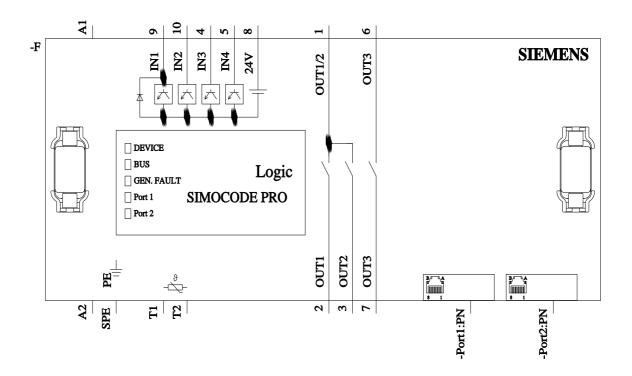
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3UF7011-1AU00-0&lang=en

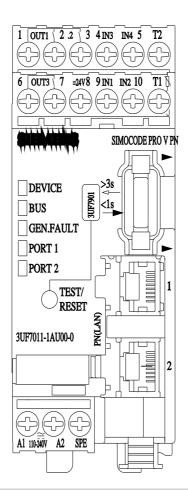
Test report No. A0258, protective separation

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









last modified: 10/20/2023 🖸