SIEMENS

Data sheet 3UF7011-1AB00-0



Basic unit SIMOCODE pro V PN, Ethernet/PROFINET IO, PN system redundancy, OPC UA server, Web server, transmission rate 100 Mbps, 2 x bus connection via RJ45, 4l/3O freely parameterizable, Us: 24 V DC, input for thermistor connection Monostable relay outputs, expandable by extension modules

product brand name product designation design of the product product type designation SIRIUS

Motor management system

basic unit 3

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
consumed active power	3.9 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
vibration resistance	1-6 Hz / 15 mm; 6-500 Hz / 2 g
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	

• 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 s F
reference code according to IEC 81346-2 continuous current of the NO contacts of the relay outputs	Г
• 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
certificate of suitability	
• IECEx	Yes; IECEx PTB 18.0004X
 according to ATEX directive 2014/34/EU 	BVS 06 ATEX F001, PTB 18 ATEX 5003 X
 acc. to Equipment and Protective System Intended 	ITS21UKEX0464, ITS21UKEX0455X
for Use in Potentially Explosive Atmospheres	
Regulations 2016 (S.I. 2016 No.1107)	ITC24LIVEVOAGA ITC24LIVEVOAGEV
 according to UKCA explosion device group and category according to ATEX 	ITS21UKEX0464, ITS21UKEX0455X II (2) G, II (2) D, I (M2) / I (1G/M2), II (1/2) G, II (1G/2D)
directive 2014/34/EU	(=, =, 11 (= , =, 1 (11 = , 1 + (10 11 = 2), 11 (10 = 20)
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
electrostatic discharge according to IEC 61000-4-2	6 kV contact discharge / 8 kV air discharge
	o kv contact discharge / o kv all discharge
conducted HF interference emissions according to	corresponds to degree of severity A
conducted HF interference emissions according to CISPR11	corresponds to degree of severity A
conducted HF interference emissions according to	
conducted HF interference emissions according to CISPR11 field-bound HF interference emission according to	corresponds to degree of severity A
conducted HF interference emissions according to CISPR11 field-bound HF interference emission according to CISPR11	corresponds to degree of severity A
conducted HF interference emissions according to CISPR11 field-bound HF interference emission according to CISPR11 Inputs/ Outputs	corresponds to degree of severity A
conducted HF interference emissions according to CISPR11 field-bound HF interference emission according to CISPR11 Inputs/ Outputs product function	corresponds to degree of severity A corresponds to degree of severity A Yes Yes
conducted HF interference emissions according to CISPR11 field-bound HF interference emission according to CISPR11 Inputs/ Outputs product function	corresponds to degree of severity A corresponds to degree of severity A Yes Yes 4
conducted HF interference emissions according to CISPR11 field-bound HF interference emission according to CISPR11 Inputs/ Outputs product function	corresponds to degree of severity A corresponds to degree of severity A Yes Yes 4 1
conducted HF interference emissions according to CISPR11 field-bound HF interference emission according to CISPR11 Inputs/ Outputs product function	corresponds to degree of severity A corresponds to degree of severity A Yes Yes 4
conducted HF interference emissions according to CISPR11 field-bound HF interference emission according to CISPR11 Inputs/ Outputs product function	corresponds to degree of severity A corresponds to degree of severity A Yes Yes 4 1 4
conducted HF interference emissions according to CISPR11 field-bound HF interference emission according to CISPR11 Inputs/ Outputs product function	corresponds to degree of severity A corresponds to degree of severity A Yes Yes 4 1 4 Yes
conducted HF interference emissions according to CISPR11 field-bound HF interference emission according to CISPR11 Inputs/ Outputs product function	corresponds to degree of severity A corresponds to degree of severity A Yes Yes 4 1 4 Yes 24 V
conducted HF interference emissions according to CISPR11 field-bound HF interference emission according to CISPR11 Inputs/ Outputs product function	corresponds to degree of severity A corresponds to degree of severity A Yes Yes 4 1 4 Yes
conducted HF interference emissions according to CISPR11 field-bound HF interference emission according to CISPR11 Inputs/ Outputs product function	corresponds to degree of severity A corresponds to degree of severity A Yes Yes 4 1 4 Yes 24 V 3
conducted HF interference emissions according to CISPR11 field-bound HF interference emission according to CISPR11 Inputs/ Outputs product function	corresponds to degree of severity A corresponds to degree of severity A Yes Yes 4 1 4 Yes 24 V 3 0
conducted HF interference emissions according to CISPR11 field-bound HF interference emission according to CISPR11 Inputs/ Outputs product function	corresponds to degree of severity A corresponds to degree of severity A Yes Yes 4 1 4 Yes 24 V 3 0 3 monostable
conducted HF interference emissions according to CISPR11 field-bound HF interference emission according to CISPR11 Inputs/ Outputs product function	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
conducted HF interference emissions according to CISPR11 field-bound HF interference emission according to CISPR11 Inputs/ Outputs product function	corresponds to degree of severity A corresponds to degree of severity A Yes Yes 4 1 4 Yes 24 V 3 0 3 monostable
conducted HF interference emissions according to CISPR11 field-bound HF interference emission according to CISPR11 Inputs/ Outputs product function	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
conducted HF interference emissions according to CISPR11 field-bound HF interference emission according to CISPR11 Inputs/ Outputs product function	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
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 semiconductor 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	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
conducted HF interference emissions according to CISPR11 field-bound HF interference emission according to CISPR11 Inputs/ Outputs product function	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
conducted HF interference emissions according to CISPR11 field-bound HF interference emission according to CISPR11 Inputs/ Outputs product function	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
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 semiconductor 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	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
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 semiconductor outputs number of semiconductor 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 • with conductor cross-section = 2.5 mm² maximum	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
conducted HF interference emissions according to CISPR11 field-bound HF interference emission according to CISPR11 Inputs/ Outputs product function	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
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 semiconductor 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	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

 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	1.5 kΩ
maximum	
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-detta directit star-detta reversing circuit	Yes
Dahlander circuit	Yes
Dahlander circuit Dahlander reversing circuit	Yes
pole-changing switch circuit	Yes
pole-changing switch circuit pole-changing switch reversing circuit	Yes
slide control	Yes
valve control	Yes
	Tes
Communication/ Dustage	
Communication/ Protocol	
protocol is supported PROFIBUS DP protocol	No
	No Yes
protocol is supported PROFIBUS DP protocol	
protocol is supported PROFIBUS DP protocol protocol is supported PROFINET IO protocol	Yes
 protocol is supported PROFIBUS DP protocol protocol is supported PROFINET IO protocol protocol is supported PROFIsafe protocol 	Yes Yes
 protocol is supported PROFIBUS DP protocol protocol is supported PROFINET IO protocol protocol is supported PROFIsafe protocol protocol is supported Modbus RTU 	Yes Yes No
 protocol is supported PROFIBUS DP protocol protocol is supported PROFINET IO protocol protocol is supported PROFIsafe protocol protocol is supported Modbus RTU protocol is supported EtherNet/IP 	Yes Yes No No
 protocol is supported PROFIBUS DP protocol protocol is supported PROFINET IO protocol protocol is supported PROFIsafe protocol protocol is supported Modbus RTU protocol is supported EtherNet/IP protocol is supported OPC UA Server protocol is supported LLDP protocol is supported Address Resolution Protocol 	Yes Yes No No Yes
 protocol is supported PROFIBUS DP protocol protocol is supported PROFINET IO protocol protocol is supported PROFIsafe protocol protocol is supported Modbus RTU protocol is supported EtherNet/IP protocol is supported OPC UA Server protocol is supported LLDP protocol is supported Address Resolution Protocol (ARP) 	Yes Yes No No Yes Yes Yes Yes
protocol is supported PROFIBUS DP protocol protocol is supported PROFINET IO protocol protocol is supported PROFISafe protocol protocol is supported Modbus RTU protocol is supported EtherNet/IP protocol is supported OPC UA Server protocol is supported LLDP protocol is supported Address Resolution Protocol (ARP) protocol is supported SNMP	Yes Yes No No Yes Yes Yes Yes Yes
 protocol is supported PROFIBUS DP protocol protocol is supported PROFINET IO protocol protocol is supported PROFIsafe protocol protocol is supported Modbus RTU protocol is supported EtherNet/IP protocol is supported OPC UA Server protocol is supported LLDP protocol is supported Address Resolution Protocol (ARP) protocol is supported SNMP protocol is supported HTTPS 	Yes Yes No No Yes Yes Yes Yes Yes Yes
 protocol is supported PROFIBUS DP protocol protocol is supported PROFINET IO protocol protocol is supported PROFIsafe protocol protocol is supported Modbus RTU protocol is supported EtherNet/IP protocol is supported OPC UA Server protocol is supported LLDP protocol is supported Address Resolution Protocol (ARP) protocol is supported SNMP protocol is supported HTTPS protocol is supported NTP 	Yes Yes No No Yes Yes Yes Yes Yes Yes Yes
protocol is supported PROFIBUS DP protocol protocol is supported PROFINET IO protocol protocol is supported PROFISafe protocol protocol is supported Modbus RTU protocol is supported EtherNet/IP protocol is supported OPC UA Server protocol is supported LLDP protocol is supported Address Resolution Protocol (ARP) protocol is supported SNMP protocol is supported HTTPS protocol is supported NTP protocol is supported Media Redundancy Protocol (MRP)	Yes Yes No No No Yes
protocol is supported PROFIBUS DP protocol protocol is supported PROFINET IO protocol protocol is supported PROFIsafe protocol protocol is supported Modbus RTU protocol is supported EtherNet/IP protocol is supported OPC UA Server protocol is supported LLDP protocol is supported Address Resolution Protocol (ARP) protocol is supported SNMP protocol is supported HTTPS protocol is supported NTP protocol is supported Media Redundancy Protocol	Yes Yes No No Yes Yes Yes Yes Yes Yes Yes
protocol is supported PROFIBUS DP protocol protocol is supported PROFINET IO protocol protocol is supported PROFISafe protocol protocol is supported Modbus RTU protocol is supported EtherNet/IP protocol is supported OPC UA Server protocol is supported LLDP protocol is supported Address Resolution Protocol (ARP) protocol is supported SNMP protocol is supported HTTPS protocol is supported NTP protocol is supported Media Redundancy Protocol (MRP) product function is supported Device Level Ring	Yes Yes No No No Yes
protocol is supported PROFIBUS DP protocol protocol is supported PROFINET IO protocol protocol is supported PROFISafe protocol protocol is supported Modbus RTU protocol is supported EtherNet/IP protocol is supported OPC UA Server protocol is supported LLDP protocol is supported Address Resolution Protocol (ARP) protocol is supported SNMP protocol is supported HTTPS protocol is supported NTP protocol is supported Media Redundancy Protocol (MRP) product function is supported Device Level Ring (DLR) number of interfaces	Yes Yes No No No Yes Yes Yes Yes Yes Yes You No No
protocol is supported PROFIBUS DP protocol protocol is supported PROFINET IO protocol protocol is supported PROFISATE protocol protocol is supported Modbus RTU protocol is supported EtherNet/IP protocol is supported OPC UA Server protocol is supported LLDP protocol is supported Address Resolution Protocol (ARP) protocol is supported SNMP protocol is supported HTTPS protocol is supported NTP protocol is supported Media Redundancy Protocol (MRP) product function is supported Device Level Ring (DLR) number of interfaces according to PROFINET	Yes Yes No No No Yes Yes Yes Yes Yes Yes Yos Yes Yes Yes Yes Yes Yes
protocol is supported PROFIBUS DP protocol protocol is supported PROFINET IO protocol protocol is supported PROFISATE protocol protocol is supported Modbus RTU protocol is supported EtherNet/IP protocol is supported OPC UA Server protocol is supported LLDP protocol is supported Address Resolution Protocol (ARP) protocol is supported SNMP protocol is supported HTTPS protocol is supported NTP protocol is supported Media Redundancy Protocol (MRP) product function is supported Device Level Ring (DLR) number of interfaces according to PROFINET according to PROFIBUS	Yes Yes No No No Yes Yes Yes Yes Yes Yes You No No
protocol is supported PROFIBUS DP protocol protocol is supported PROFINET IO protocol protocol is supported PROFISATE protocol protocol is supported Modbus RTU protocol is supported EtherNet/IP protocol is supported OPC UA Server protocol is supported LLDP protocol is supported Address Resolution Protocol (ARP) protocol is supported SNMP protocol is supported HTTPS protocol is supported NTP protocol is supported Media Redundancy Protocol (MRP) product function is supported Device Level Ring (DLR) number of interfaces according to PROFINET according to Ethernet/IP	Yes Yes No No No Yes Yes Yes Yes Yes You Yes Yes Yes Yes You Yes You Yes Yes You Yes Yes Yes Yes
protocol is supported PROFIBUS DP protocol protocol is supported PROFINET IO protocol protocol is supported PROFISATE protocol protocol is supported Modbus RTU protocol is supported EtherNet/IP protocol is supported OPC UA Server protocol is supported LLDP protocol is supported Address Resolution Protocol (ARP) protocol is supported SNMP protocol is supported HTTPS protocol is supported NTP protocol is supported Media Redundancy Protocol (MRP) product function is supported Device Level Ring (DLR) number of interfaces according to PROFIBUS according to Ethernet/IP product function	Yes Yes No No No Yes Yes Yes Yes Yes Yes Yos Yes Yos O O
protocol is supported PROFIBUS DP protocol protocol is supported PROFINET IO protocol protocol is supported PROFISATE protocol protocol is supported Modbus RTU protocol is supported EtherNet/IP protocol is supported OPC UA Server protocol is supported LLDP protocol is supported Address Resolution Protocol (ARP) protocol is supported SNMP protocol is supported HTTPS protocol is supported NTP protocol is supported Media Redundancy Protocol (MRP) product function is supported Device Level Ring (DLR) number of interfaces according to PROFINET according to PROFIBUS according to Ethernet/IP product function web server	Yes Yes No No No Yes Yes Yes Yes Yes Yes Yos Yes Yes Yes Yos Yes Yes Yes Yes Yes Yos
protocol is supported PROFIBUS DP protocol protocol is supported PROFINET IO protocol protocol is supported PROFISATE protocol protocol is supported Modbus RTU protocol is supported EtherNet/IP protocol is supported OPC UA Server protocol is supported LLDP protocol is supported Address Resolution Protocol (ARP) protocol is supported SNMP protocol is supported HTTPS protocol is supported MPP protocol is supported Media Redundancy Protocol (MRP) product function is supported Device Level Ring (DLR) number of interfaces according to PROFINET according to PROFIBUS according to Ethernet/IP product function web server shared device	Yes Yes No No No Yes Yes Yes Yes Yes Yes Yos Yes Yes Yes Yes Yes Yes Yes No
 protocol is supported PROFIBUS DP protocol protocol is supported PROFINET IO protocol protocol is supported PROFISATE protocol protocol is supported Modbus RTU protocol is supported EtherNet/IP protocol is supported OPC UA Server protocol is supported LLDP protocol is supported Address Resolution Protocol (ARP) protocol is supported SNMP protocol is supported HTTPS protocol is supported NTP protocol is supported Media Redundancy Protocol (MRP) product function is supported Device Level Ring (DLR) number of interfaces according to PROFINET according to PROFIBUS according to Ethernet/IP product function web server shared device at the Ethernet interface Autocrossover 	Yes Yes No No No Yes
 protocol is supported PROFIBUS DP protocol protocol is supported PROFINET IO protocol protocol is supported PROFISATE protocol protocol is supported Modbus RTU protocol is supported EtherNet/IP protocol is supported OPC UA Server protocol is supported LLDP protocol is supported Address Resolution Protocol (ARP) protocol is supported SNMP protocol is supported HTTPS protocol is supported NTP protocol is supported Media Redundancy Protocol (MRP) product function is supported Device Level Ring (DLR) 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 protocol is supported PROFINET IO protocol protocol is supported PROFISATE protocol protocol is supported Modbus RTU protocol is supported EtherNet/IP protocol is supported OPC UA Server protocol is supported LLDP protocol is supported Address Resolution Protocol (ARP) protocol is supported SNMP protocol is supported HTTPS protocol is supported Media Redundancy Protocol (MRP) product function is supported Device Level Ring (DLR) number of interfaces according to PROFINET according to PROFIBUS according to Ethernet/IP product function web server shared device at the Ethernet interface Autorossover at the Ethernet interface Autosensing	Yes Yes No No No Yes
 protocol is supported PROFIBUS DP protocol protocol is supported PROFINET IO protocol protocol is supported PROFISATE protocol protocol is supported Modbus RTU protocol is supported EtherNet/IP protocol is supported OPC UA Server protocol is supported LLDP protocol is supported Address Resolution Protocol (ARP) protocol is supported SNMP protocol is supported HTTPS protocol is supported NTP protocol is supported Media Redundancy Protocol (MRP) product function is supported Device Level Ring (DLR) 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 protocol is supported PROFINET IO protocol protocol is supported PROFISATE protocol protocol is supported Modbus RTU protocol is supported EtherNet/IP protocol is supported OPC UA Server protocol is supported LLDP protocol is supported Address Resolution Protocol (ARP) protocol is supported SNMP protocol is supported HTTPS protocol is supported Media Redundancy Protocol (MRP) protocol is supported Media Redundancy Protocol (MRP) product function is supported Device Level Ring (DLR) 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 protocol is supported PROFINET IO protocol protocol is supported PROFISAGE protocol protocol is supported Modbus RTU protocol is supported EtherNet/IP protocol is supported OPC UA Server protocol is supported LLDP protocol is supported Address Resolution Protocol (ARP) protocol is supported SNMP protocol is supported HTTPS protocol is supported Media Redundancy Protocol (MRP) protocol is supported Media Redundancy Protocol (MRP) product function is supported Device Level Ring (DLR) number of interfaces according to PROFINET according to PROFIBUS according to Ethernet/IP product function web server shared device at the Ethernet interface Autorossover at the Ethernet interface Autosensing Media Redundancy Protocol for Planned Duplication (MRPD) 	Yes Yes Yes No No No Yes
 protocol is supported PROFIBUS DP protocol protocol is supported PROFINET IO protocol protocol is supported PROFISATE protocol protocol is supported Modbus RTU protocol is supported EtherNet/IP protocol is supported OPC UA Server protocol is supported LLDP protocol is supported Address Resolution Protocol (ARP) protocol is supported SNMP protocol is supported HTTPS protocol is supported NTP protocol is supported Media Redundancy Protocol (MRP) product function is supported Device Level Ring (DLR) number of interfaces according to PROFINET according to PROFIBUS according to Ethernet/IP product function web server shared device at the Ethernet interface Autorossover at the Ethernet interface Autosensing Media Redundancy Protocol for Planned Duplication (MRPD) is supported PROFINET system redundancy (S2) 	Yes Yes Yes No No Yes

transfer rate maximum	100 Mbit/s
PROFINET conformity class	В
identification & maintenance function	
 I&M0 - device-specific information 	Yes
 I&M1 - higher level designation/location designation 	Yes
I&M2 - installation date	Yes
I&M3 - comment	Yes
type of electrical connection of the communication	2x RJ45
interface	
Installation/ mounting/ dimensions	
mounting position	any
fastening method	screw and snap-on mounting
height	111 mm
width	45 mm
depth	124 mm
required spacing	12111111
• top	40 mm
• bottom	40 mm
• left	0 mm
	0 mm
• right	O THILL
Connections/ Terminals	
product component removable terminal for auxiliary	Yes
and control circuit	
type of connectable conductor cross-sections	4 × (0 F
• 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 12), 2x (20 14)
 at 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%),
3 ,	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	
 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
2	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	J. J.
	All aircuits with protective conception (double conception)
(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,
000- 1 1 - 1	No. A0258, must be observed (link see further information)
Control circuit/ Control	
	Voc
product function soft starter control	Yes DC
type of voltage of the control supply voltage	DC
control supply voltage at DC	24.1/
rated value control supply voltage 1 at DC rated value.	24 V
control supply voltage 1 at DC rated value	24 V

operating range factor control supply voltage rated value at DC

• initial value

• full-scale value

inrush current peak

• at 24 V

duration of inrush current peak

• at 24 V

0.85

1.2

17 A

1.1 ms

Certificates/ approvals

General Product Approval

EMC





Confirmation







For use in hazardous locations

Declaration of Conformity













Test Certificates

Marine / Shipping

Special Test Certificate

Type Test Certificates/Test Report

Special Test Certificate







Marine / Shipping

other



<u>Confirmation</u>



Profibus

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=3UF7011-1AB00-0

Cax online generator

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

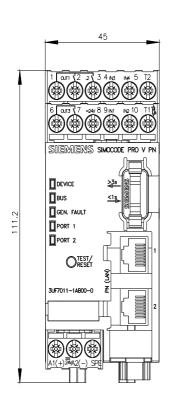
https://support.industry.siemens.com/cs/ww/en/ps/3UF7011-1AB00-0

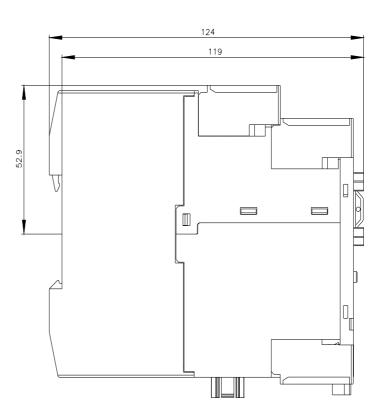
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

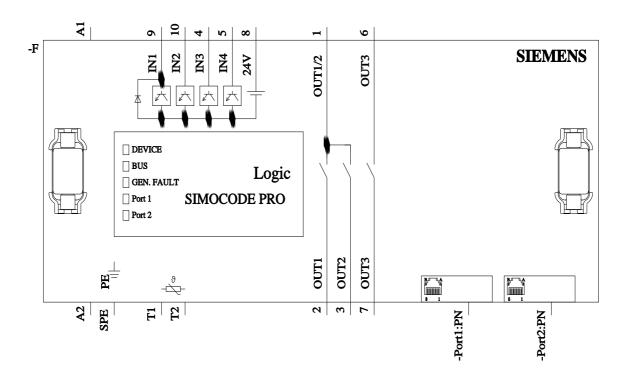
 $\underline{\text{http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3UF7011-1AB00-0\&lang=en}$

Test report No. A0258, protective separation

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







last modified: 4/6/2023 🖸