## **SIEMENS**

Data sheet 3UF7011-1AU00-1



Basic unit SIMOCODE pro V PN GP Ethernet/PROFINET IO, PN system redundancy, OPC UA server, Web server, transmission rate 100 Mbps, 2 x bus connection via RJ45, 4 I/3 Q freely parameterizable, Us: 110...240 V AC/DC, input for thermistor connection Monostable relay outputs, expandable by 1 extension module(DM, TM, EM)

product brand name	SIRIUS
product designation	Motor management system
design of the product	basic unit 3
product type designation	SIMOCODE pro V PN GP
General technical data	
product function	
• bus communication	Yes
data acquisition function	Yes
<ul> <li>diagnostics function</li> </ul>	Yes
<ul> <li>password protection</li> </ul>	Yes
• test function	Yes
maintenance function	Yes
product component	
<ul> <li>input for thermistor connection</li> </ul>	Yes
digital input	Yes
<ul> <li>input for analog temperature sensors</li> </ul>	No
<ul> <li>input for ground fault detection</li> </ul>	No
• relay output	Yes
product extension	
<ul> <li>temperature monitoring module</li> </ul>	Yes
<ul> <li>current measuring module</li> </ul>	Yes
<ul> <li>current/voltage measuring module</li> </ul>	No
• fail-safe digital I/O module	No
<ul> <li>ground-fault monitoring module</li> </ul>	Yes
<ul> <li>control unit with display</li> </ul>	No
• control unit	Yes
analog I/O module	No
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	

a at 24 V	2 /
• 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)	08/31/2018
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
<ul> <li>according to ATEX directive 2014/34/EU</li> </ul>	BVS 06 ATEX F001
according to UKCA	ITS21UKEX0464
explosion device group and category according to ATEX directive 2014/34/EU	II (2) G, II (2 ) D, I (M2)
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	Corresponds to degree or severity 3
	2 kV/ (nower ports) / 1 kV/ (signal ports)
due to burst according to IEC 61000-4-4      due to conductor conthicular according to IEC 61000-4-5.	2 kV (power ports) / 1 kV (signal ports)
due to conductor-earth surge according to IEC 61000-4-5      due to conductor conductor conductor according to IEC.	2 kV
<ul> <li>due to conductor-conductor surge according to IEC 61000-4-5</li> </ul>	1 kV
<ul> <li>due to high-frequency radiation according to IEC 61000- 4-6</li> </ul>	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
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
conducted HF interference emissions according to	
conducted HF interference emissions according to CISPR11	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
conducted HF interference emissions according to CISPR11 field-bound HF interference emission according to CISPR11 Inputs/ Outputs product function • parameterizable inputs	corresponds to degree of severity A  corresponds to degree of severity A  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
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 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 1 4
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	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  • 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	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  • 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	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  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	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  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 outputs as contact-affected switching element	corresponds to degree of severity A  corresponds to degree of severity A  Yes Yes 4 1 4  Yes 24 V 3 0 3
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 outputs as contact-affected switching element switching behavior	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  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 outputs as contact-affected switching element  switching behavior  type of relay outputs	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  • 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	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  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	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  parameterizable inputs  product function  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 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
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 = 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 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  • 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 = 1.5 mm² maximum  • with conductor cross-section = 2.5 mm² maximum  Protective and monitoring functions	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  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 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 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 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  with conductor cross-section = 2.5 mm² maximum  protective and monitoring functions  product function  asymmetry detection	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  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 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  protective and monitoring functions  product function  asymmetry detection  blocking current evaluation	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 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  with conductor cross-section = 2.5 mm² maximum  protective and monitoring functions  product function  asymmetry detection	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

	v.
phase failure detection	Yes
phase sequence recognition	No
voltage detection	No
monitoring of number of start operations	Yes
overvoltage detection	No
overcurrent detection 1 phase	Yes
undervoltage detection	No
<ul> <li>undercurrent detection 1 phase</li> </ul>	Yes
active power monitoring	No
product function	
current detection	Yes
<ul> <li>overload protection</li> </ul>	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	
<ul> <li>parameterizable overload relay</li> </ul>	Yes
circuit breaker control	Yes
direct start	Yes
<ul> <li>reverse starting</li> </ul>	Yes
star-delta circuit	Yes
star-delta reversing circuit	No
Dahlander circuit	No
Dahlander reversing circuit	No
<ul> <li>pole-changing switch circuit</li> </ul>	No
<ul> <li>pole-changing switch reversing circuit</li> </ul>	No
• slide control	No
<ul> <li>valve control</li> </ul>	No
Communication/ Protocol	
protocol is supported	Na
protocol is supported  • PROFIBUS DP protocol	No Voc
protocol is supported  • PROFIBUS DP protocol  • PROFINET IO protocol	Yes
protocol is supported  • PROFIBUS DP protocol  • PROFINET IO protocol  • PROFIsafe protocol	Yes No
protocol is supported  • PROFIBUS DP protocol  • PROFINET IO protocol  • PROFIsafe protocol  • Modbus RTU	Yes No No
protocol is supported  PROFIBUS DP protocol  PROFINET IO protocol  PROFIsafe protocol  Modbus RTU  EtherNet/IP	Yes No No
protocol is supported  PROFIBUS DP protocol PROFINET IO protocol PROFIsafe protocol Modbus RTU EtherNet/IP OPC UA Server	Yes No No No Yes
protocol is supported  PROFIBUS DP protocol PROFINET IO protocol PROFIsafe protocol Modbus RTU EtherNet/IP OPC UA Server	Yes No 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 No No No 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 No 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  HTTPS	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 No 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 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  Media Redundancy Protocol (MRP)	Yes No No No Yes 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)  number of interfaces according to PROFINET	Yes No No No Yes 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)  number of interfaces according to PROFIBUS	Yes No 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 No No No Yes 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)  number of interfaces according to PROFIBUS according to Ethernet/IP  product function	Yes No No No Yes Yes Yes Yes Yes Yes Yes Yes O O 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 No 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 according to Ethernet/IP  product function web server shared device	Yes No 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 according to PROFIBUS according to Ethernet/IP  product function web server shared device at the Ethernet interface Autocrossover	Yes No 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 No 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 No 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 No 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 No 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 No 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 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) is supported PROFINET system redundancy (S2)	Yes No 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 No No No No Yes

	400 MI 'II
transfer rate maximum	100 Mbit/s
PROFINET conformity class	C
identification & maintenance function	W
1&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 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 control circuit	Yes
type of connectable conductor cross-sections	
solid	1v (0.5 4.0 mm²) 2v (0.5 2.5 mm²)
	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	
<ul><li>during operation</li></ul>	-25 +60 °C
during storage	-40 +80 °C
during transport	-40 +80 °C
environmental category	
<ul> <li>during operation according to IEC 60721</li> </ul>	3K6 (no formation of ice, no condensation, relative humidity 10 95%), 3C3 (no salt mist), 3S2 (sand must not get into the devices), 3M6
<ul> <li>during storage according to IEC 60721</li> </ul>	1K6 (no condensation, relative humidity 10 95%), 1C2 (no salt mist), 1S2
J J	(sand must not get into the devices), 1M4
<ul> <li>during transport according to IEC 60721</li> </ul>	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 circuit- breaker C char.: 1.6 A (IEC 60947-5-1) or 6 A (I K < 500 A)
Electrical Safety	5.00.00 O Gildi 1.0 A (12.0 00041-0-1) Of 0 A (12.1 < 500 A)
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	
product function soft starter control	Yes
type of voltage of the control supply voltage	AC/DC
control supply voltage at AC	7.0.0
	110 240 V
at 50 Hz rated Value	
<ul> <li>at 50 Hz rated value</li> <li>at 60 Hz rated value</li> </ul>	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
opprovals Certificates	

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 Certificate

Special Test Certificate







Marine / Shipping

other



Confirmation



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=3UF7011-1AU00-1

Cax online generator

 $\underline{\text{http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en\&mlfb=3UF7011-1AU00-1automation.siemens.com/WW/CAXorder/default.aspx?lang=en\&mlfb=3UF7011-1AU00-1automation.siemens.com/WW/CAXorder/default.aspx?lang=en\&mlfb=3UF7011-1AU00-1automation.siemens.com/WW/CAXorder/default.aspx?lang=en\&mlfb=3UF7011-1AU00-1automation.siemens.com/WW/CAXorder/default.aspx?lang=en\&mlfb=3UF7011-1AU00-1automation.siemens.com/WW/CAXorder/default.aspx?lang=en\&mlfb=3UF7011-1AU00-1automation.siemens.com/WW/CAXorder/default.aspx?lang=en\&mlfb=3UF7011-1AU00-1automation.siemens.com/WW/CAXorder/default.aspx?lang=en\&mlfb=3UF7011-1AU00-1automation.siemens.com/WW/CAXorder/default.aspx?lang=en\&mlfb=3UF7011-1AU00-1automation.siemens.com/WW/CAXorder/default.aspx?lang=en\&mlfb=3UF7011-1AU00-1automation.siemens.com/WW/CAXorder/default.aspx$ 

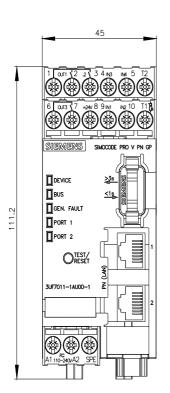
Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3UF7011-1AU00-1

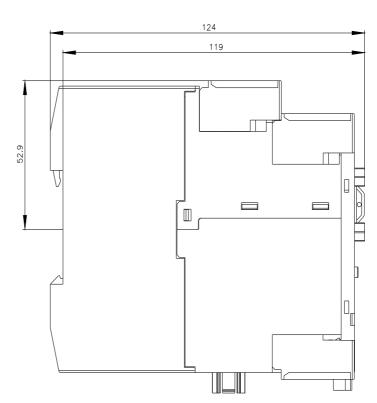
 $Image\ database\ (product\ images,\ 2D\ dimension\ drawings,\ 3D\ models,\ device\ circuit\ diagrams,\ EPLAN\ macros,\ ...)$ 

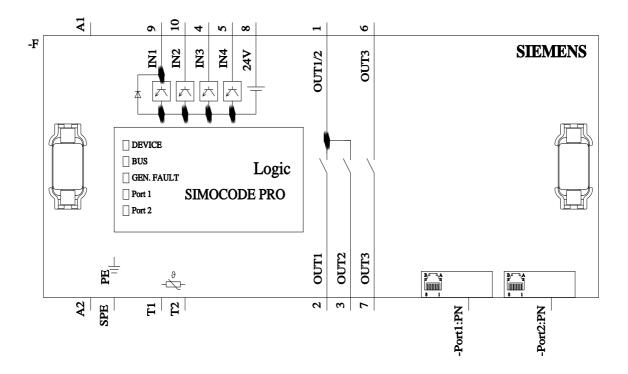
http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3UF7011-1AU00-1&lang=en

Test report No. A0258, protective separation

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







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