SIEMENS

Data sheet 3UF7000-1AB00-0



Basic unit SIMOCODE pro C, PROFIBUS DP interface 12 Mbit/s, RS 485, 4I/30 freely parameterizable, Us: 24 V DC, input for thermistor connection Monostable relay outputs

product brand name	SIRIUS
product designation	Motor management system
design of the product	basic unit 1
product type designation	SIMOCODE pro C
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 	No
 current measuring module 	Yes
 current/voltage measuring module 	No
fail-safe digital I/O module	No
 ground-fault monitoring module 	No
 control unit with display 	No
• control unit	Yes
analog I/O module	No
consumed active power	2.3 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	
• at 24 V	2 A

• at 60 V	0.55 A
• at 00 V	0.55 A 0.25 A
	10 000 000
mechanical service life (operating cycles) typical	100 000
electrical endurance (operating cycles) typical	
buffering time in the event of power failure	0.05 s
reference code according to IEC 81346-2	r
continuous current of the NO contacts of the relay outputs	6.4
• 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)	05/01/2012
SVHC substance name	Blei - 7439-92-1 Bleimonoxid (Bleioxid) - 1317-36-8
certificate of suitability	
 according to ATEX directive 2014/34/EU 	BVS 06 ATEX F001
 acc. to Equipment and Protective System Intended for Use in Potentially Explosive Atmospheres Regulations 2016 (S.I. 2016 No.1107) 	ITS21UKEX0464, ITS21UKEX0455X
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	
 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
	3
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	ÿ
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	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 • parameterizable inputs • parameterizable outputs	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 • parameterizable inputs • parameterizable outputs number of inputs	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 • parameterizable inputs • parameterizable outputs number of inputs • for thermistor connection	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 • parameterizable inputs • parameterizable outputs number of inputs • for thermistor connection number of digital inputs with a common reference potential	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 • parameterizable inputs • parameterizable outputs number of inputs • for thermistor connection number of digital inputs with a common reference potential digital input version	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 • 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	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 number of outputs	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	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 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	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 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 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	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	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	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 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 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 = 2.5 mm² maximum with conductor cross-section = 2.5 mm² maximum Protective and monitoring functions 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 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 Protective and monitoring functions product function asymmetry detection	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 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	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 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 = 1.5 mm² maximum with conductor cross-section = 2.5 mm² maximum Protective and monitoring functions product function asymmetry detection blocking current evaluation power factor monitoring	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	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 250 m

 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
undervorlage detection undercurrent detection 1 phase	Yes
·	
active power monitoring	No
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	
-	Yes
parameterizable overload relay parameterizable overload relay	
circuit breaker control	Yes
• direct start	Yes
 reverse starting 	Yes
star-delta circuit	No
 star-delta reversing circuit 	No
Dahlander circuit	No
 Dahlander reversing circuit 	No
 pole-changing switch circuit 	No
 pole-changing switch reversing circuit 	No
slide control	No
valve control	No
Communication/ Protocol	
protocol is supported	
protocol is supported • PROFIBLIS DP protocol	Yes
PROFIBUS DP protocol	Yes
PROFIBUS DP protocol PROFINET IO protocol	No
PROFIBUS DP protocolPROFINET IO protocolPROFIsafe protocol	No No
 PROFIBUS DP protocol PROFINET IO protocol PROFIsafe protocol Modbus RTU 	No No
 PROFIBUS DP protocol PROFINET IO protocol PROFIsafe protocol Modbus RTU EtherNet/IP 	No No No
 PROFIBUS DP protocol PROFINET IO protocol PROFIsafe protocol Modbus RTU EtherNet/IP OPC UA Server 	No No No No
 PROFIBUS DP protocol PROFINET IO protocol PROFIsafe protocol Modbus RTU EtherNet/IP 	No No No
 PROFIBUS DP protocol PROFINET IO protocol PROFIsafe protocol Modbus RTU EtherNet/IP OPC UA Server 	No No No No
 PROFIBUS DP protocol PROFINET IO protocol PROFIsafe protocol Modbus RTU EtherNet/IP OPC UA Server LLDP 	No No No No No
 PROFIBUS DP protocol PROFINET IO protocol PROFIsafe protocol Modbus RTU EtherNet/IP OPC UA Server LLDP Address Resolution Protocol (ARP) 	No No No No No No No No
 PROFIBUS DP protocol PROFINET IO protocol PROFIsafe protocol Modbus RTU EtherNet/IP OPC UA Server LLDP Address Resolution Protocol (ARP) SNMP 	No
 PROFIBUS DP protocol PROFINET IO protocol PROFIsafe protocol Modbus RTU EtherNet/IP OPC UA Server LLDP Address Resolution Protocol (ARP) SNMP HTTPS 	No
 PROFIBUS DP protocol PROFINET IO protocol PROFIsafe protocol Modbus RTU EtherNet/IP OPC UA Server LLDP Address Resolution Protocol (ARP) SNMP HTTPS NTP 	No N
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	No N
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	No N
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	No N
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	No N
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	No N
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	No N
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	No N
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	No N
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	No N
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	No N
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	No N
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	No N
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 is supported Device Level Ring (DLR)	No N
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 is supported PROFINET system redundancy (S2) supports PROFINET system redundancy (S2) supports PROFINET system redundancy (S2)	No N
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 is supported PROFINET system redundancy (S2) supports PROFIEnergy measured values supports PROFIEnergy shutdown	No N
PROFIBUS DP protocol PROFINET IO protocol PROFISATE 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 is supported Device Level Ring (DLR) supports PROFIEnergy measured values supports PROFIenergy shutdown transfer rate maximum	No N
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 is supported PROFINET system redundancy (S2) supports PROFIEnergy measured values supports PROFIEnergy shutdown	No N

10144	V
1&M1 - higher level designation/location designation	Yes
• I&M2 - installation date	Yes
• I&M3 - comment	Yes
type of electrical connection of the communication interface	9-pin SUB-D socket (12 Mbit) / screw terminal (1.5 Mbit)
Installation/ mounting/ dimensions	
mounting position	any
fastening method	screw and snap-on mounting
height	111 mm
width	45 mm
depth	95 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	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 12), 2x (20 14) 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
type of connectable conductor cross-sections for	2x 0.34 mm², AWG 22
PROFIBUS wire	
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	
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	
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	No
type of voltage of the control supply voltage	DC
control supply voltage 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	0.8

• full-scale value	1.2	
inrush current peak		
• at 24 V	14 A	
duration of inrush current peak		
• at 24 V	0.8 ms	

Approvals Certificates

General Product Approval





Confirmation







EMC

For use in hazardous locations

Test Certificates









Explosion Protection Certificate Type Test Certificates/Test Report

Test Certificates

Marine / Shipping

other

Special Test Certificate









Confirmation

Further information

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

https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business

Siemens is working on the renewal of the current EAC certificates.

Please contact your local Siemens office on the status of validity of the EAC certification if you intend to import or offer to supply these products to an EAC relevant market (other than the sanctioned EAEU member states Russia or Belarus).

Information on the packaging

https://support.industry.siemens.com/cs/ww/en/view/109813875

Information- and Downloadcenter (Catalogs, Brochures,...)

https://www.siemens.com/ic10

Industry Mall (Online ordering system)

https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3UF7000-1AB00-0

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3UF7000-1AB00-0

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

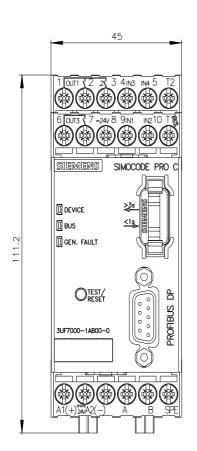
https://support.industry.siemens.com/cs/ww/en/ps/3UF7000-1AB00-0

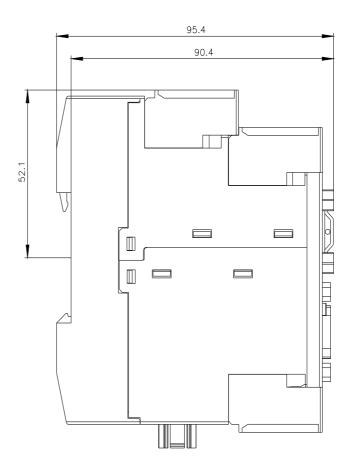
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

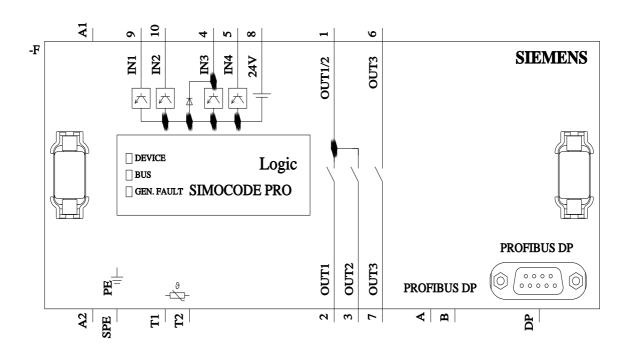
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3UF7000-1AB00-0&lang=en

Test report No. A0258, protective separation

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







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