## **SIEMENS**

Data sheet 3UF7000-1AU00-0



Basic unit SIMOCODE pro C, PROFIBUS DP interface 12 Mbit/s, RS 485, 4I/3O freely parameterizable, Us: 110...240 V AC/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	
<ul> <li>bus communication</li> </ul>	Yes
<ul> <li>data acquisition function</li> </ul>	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
<ul><li>relay output</li></ul>	Yes
product extension	
<ul> <li>temperature monitoring module</li> </ul>	No
<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>	No
<ul> <li>control unit with display</li> </ul>	No
• control unit	Yes
analog I/O module	No
apparent power consumption	5.3 VA
consumed active power	2.9 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	
<ul><li>according to IEC 60068-2-27</li></ul>	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

o of 220 V	2.4
• 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
	100 000
electrical endurance (operating cycles) typical	
buffering time in the event of power failure	0 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)	05/01/2012
certificate of suitability	
<ul> <li>according to ATEX directive 2014/34/EU</li> </ul>	BVS 06 ATEX F001
<ul> <li>acc. to Equipment and Protective System Intended for Use in Potentially Explosive Atmospheres Regulations 2016 (S.I. 2016 No.1107)</li> </ul>	ITS21UKEX0464, ITS21UKEX0455X
according to UKCA	ITS21UKEX0464
explosion device group and category according to ATEX	II (2) G, II (2 ) D, I (M2)
directive 2014/34/EU	
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	
<ul> <li>due to burst according to IEC 61000-4-4</li> </ul>	2 kV (power ports) / 1 kV (signal ports)
<ul> <li>due to conductor-earth surge according to IEC 61000-4-5</li> </ul>	2 kV
due to conductor-conductor surge according to IEC	1 kV
61000-4-5	40.1/
<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
conducted HF interference emissions according to	corresponds to degree of severity A
CISPR11	corresponds to degree of severity A
field-bound HF interference emission according to CISPR11 Inputs/ Outputs	corresponds to degree or severity A
product function	V
parameterizable inputs	Yes
parameterizable outputs	Yes
number of inputs	4
for thermistor connection	1
number of digital inputs with a common reference potential	4
digital input version	
• type 1 acc. to IEC 61131	Yes
input voltage at digital input at DC rated value	24 V
number of outputs	3
number of semiconductor outputs	0
number of outputs as contact-affected switching element	3
switching behavior	monostable
type of relay outputs	Monostable
wire length for digital signals maximum	300 m
wire length for thermistor connection	
• with conductor cross-section = 0.5 mm² maximum	50 m
• with conductor cross-section = 1.5 mm² maximum	150 m
• with conductor cross-section = 2.5 mm² maximum	250 m
Protective and monitoring functions	
product function	
asymmetry detection	Yes
blocking current evaluation	Yes
power factor monitoring	No
<del></del>	

ground fault detection	Yes
<ul> <li>phase failure detection</li> </ul>	Yes
<ul> <li>phase sequence recognition</li> </ul>	No
<ul> <li>voltage detection</li> </ul>	No
<ul> <li>monitoring of number of start operations</li> </ul>	Yes
overvoltage detection	No
overcurrent detection 1 phase	Yes
undervoltage detection	No
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	1 000 1 000 12
product function	V
parameterizable overload relay	Yes
circuit breaker control	Yes
direct start	Yes
reverse starting	Yes
star-delta circuit	No
<ul> <li>star-delta reversing circuit</li> </ul>	No
Dahlander circuit	No
<ul> <li>Dahlander reversing circuit</li> </ul>	No
<ul> <li>pole-changing switch circuit</li> </ul>	No
<ul> <li>pole-changing switch reversing circuit</li> </ul>	No
<ul> <li>slide control</li> </ul>	No
<ul> <li>valve control</li> </ul>	No
Communication/ Protocol	
Communication/ Protocol	
Communication/ Protocol  • protocol is supported PROFIBUS DP protocol	Yes
	Yes No
protocol is supported PROFIBUS DP protocol	
protocol is supported PROFIBUS DP protocol     protocol is supported PROFINET IO protocol	No
<ul> <li>protocol is supported PROFIBUS DP protocol</li> <li>protocol is supported PROFINET IO protocol</li> <li>protocol is supported PROFIsafe protocol</li> </ul>	No No
<ul> <li>protocol is supported PROFIBUS DP protocol</li> <li>protocol is supported PROFINET IO protocol</li> <li>protocol is supported PROFIsafe protocol</li> <li>protocol is supported Modbus RTU</li> </ul>	No No No
<ul> <li>protocol is supported PROFIBUS DP protocol</li> <li>protocol is supported PROFINET IO protocol</li> <li>protocol is supported PROFIsafe protocol</li> <li>protocol is supported Modbus RTU</li> <li>protocol is supported EtherNet/IP</li> </ul>	No No No
<ul> <li>protocol is supported PROFIBUS DP protocol</li> <li>protocol is supported PROFINET IO protocol</li> <li>protocol is supported PROFIsafe protocol</li> <li>protocol is supported Modbus RTU</li> <li>protocol is supported EtherNet/IP</li> <li>protocol is supported OPC UA Server</li> </ul>	No No No No
<ul> <li>protocol is supported PROFIBUS DP protocol</li> <li>protocol is supported PROFINET IO protocol</li> <li>protocol is supported PROFIsafe protocol</li> <li>protocol is supported Modbus RTU</li> <li>protocol is supported EtherNet/IP</li> <li>protocol is supported OPC UA Server</li> <li>protocol is supported LLDP</li> </ul>	No No No No 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 (ARP)	No No No No No No 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	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	No N
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	No N
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)	No N
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	No N
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	No N
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	No N
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	No N
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 product function	No N
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	No N
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 according to PROFINET according to PROFIBUS according to Ethernet/IP  product function web server shared device	No N
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 PROFIBUS according to Ethernet/IP  product function web server shared device at the Ethernet interface Autocrossover	No N
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 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
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) 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	No N
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 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 is supported PROFINET system redundancy (S2)	No N
<ul> <li>protocol is supported PROFIBUS DP protocol</li> <li>protocol is supported PROFINET IO protocol</li> <li>protocol is supported PROFISATE protocol</li> <li>protocol is supported Modbus RTU</li> <li>protocol is supported EtherNet/IP</li> <li>protocol is supported OPC UA Server</li> <li>protocol is supported LLDP</li> <li>protocol is supported Address Resolution Protocol (ARP)</li> <li>protocol is supported SNMP</li> <li>protocol is supported HTTPS</li> <li>protocol is supported Media Redundancy Protocol (MRP)</li> <li>product is supported Media Redundancy Protocol (MRP)</li> <li>product function is supported Device Level Ring (DLR)</li> <li>number of interfaces</li> <li>according to PROFINET</li> <li>according to PROFIBUS</li> <li>according to Ethernet/IP</li> <li>product function</li> <li>web server</li> <li>shared device</li> <li>at the Ethernet interface Autocrossover</li> <li>at the Ethernet interface Autosensing</li> <li>is supported PROFINET system redundancy (S2)</li> <li>supports PROFIenergy measured values</li> </ul>	No N
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 is supported PROFINET system redundancy (S2)	No N

identification & maintenance function	
<ul> <li>I&amp;M0 - device-specific information</li> </ul>	Yes
<ul> <li>I&amp;M1 - higher level designation/location designation</li> </ul>	Yes
<ul> <li>I&amp;M2 - installation date</li> </ul>	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	Yes
control circuit	
type of connectable conductor cross-sections	
• solid	1x (0.5 4.0 mm²), 2x (0.5 2.5 mm²)
<ul> <li>finely stranded with core end processing</li> </ul>	1x (0.5 2.5 mm²), 2x (0.5 1.5 mm²)
<ul> <li>at AWG cables solid</li> </ul>	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
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	
<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 (sand must not get into the devices), 1M4
during transport according to IEC 60721	
	(sand must not get into the devices), 1M4 2K2, 2C1, 2S1, 2M2
during transport according to IEC 60721  relative humidity     during operation	(sand must not get into the devices), 1M4
during transport according to IEC 60721  relative humidity	(sand must not get into the devices), 1M4 2K2, 2C1, 2S1, 2M2
during transport according to IEC 60721  relative humidity     during operation	(sand must not get into the devices), 1M4 2K2, 2C1, 2S1, 2M2 5 95 %
during transport according to IEC 60721  relative humidity     during operation  contact rating of auxiliary contacts according to UL	(sand must not get into the devices), 1M4 2K2, 2C1, 2S1, 2M2 5 95 %
during transport according to IEC 60721  relative humidity     during operation  contact rating of auxiliary contacts according to UL  Short-circuit protection	(sand must not get into the devices), 1M4 2K2, 2C1, 2S1, 2M2 5 95 % B300 / R300  Fuse links: gG 6 A, quick-response 10 A (IEC 60947-5-1), miniature circuit-
• during transport according to IEC 60721  relative humidity     • during operation  contact rating of auxiliary contacts according to UL  Short-circuit protection  design of short-circuit protection per output	(sand must not get into the devices), 1M4 2K2, 2C1, 2S1, 2M2 5 95 % B300 / R300  Fuse links: gG 6 A, quick-response 10 A (IEC 60947-5-1), miniature circuit-
• during transport according to IEC 60721  relative humidity     • during operation  contact rating of auxiliary contacts according to UL  Short-circuit protection  design of short-circuit protection per output  Safety related data	(sand must not get into the devices), 1M4  2K2, 2C1, 2S1, 2M2  5 95 %  B300 / R300  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)
during transport according to IEC 60721  relative humidity     during operation  contact rating of auxiliary contacts according to UL  Short-circuit protection  design of short-circuit protection per output  Safety related data  touch protection against electrical shock	(sand must not get into the devices), 1M4  2K2, 2C1, 2S1, 2M2  5 95 %  B300 / R300  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)
during transport according to IEC 60721  relative humidity     during operation     contact rating of auxiliary contacts according to UL  Short-circuit protection     design of short-circuit protection per output  Safety related data     touch protection against electrical shock  Galvanic isolation	(sand must not get into the devices), 1M4  2K2, 2C1, 2S1, 2M2  5 95 %  B300 / R300  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)  finger-safe  All circuits with protective separation (double creepage paths and clearances), the information in the "Protective Separation" test report, No. A0258, must be
• during transport according to IEC 60721  relative humidity     • during operation  contact rating of auxiliary contacts according to UL  Short-circuit protection  design of short-circuit protection per output  Safety related data  touch protection against electrical shock  Galvanic isolation  (electrically) protective separation according to IEC 60947-1  Control circuit/ Control	(sand must not get into the devices), 1M4  2K2, 2C1, 2S1, 2M2  5 95 %  B300 / R300  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)  finger-safe  All circuits with protective separation (double creepage paths and clearances), the information in the "Protective Separation" test report, No. A0258, must be
• during transport according to IEC 60721  relative humidity     • during operation  contact rating of auxiliary contacts according to UL  Short-circuit protection  design of short-circuit protection per output  Safety related data  touch protection against electrical shock  Galvanic isolation  (electrically) protective separation according to IEC 60947-1  Control circuit/ Control  product function soft starter control	(sand must not get into the devices), 1M4  2K2, 2C1, 2S1, 2M2  5 95 %  B300 / R300  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)  finger-safe  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)
• during transport according to IEC 60721  relative humidity     • during operation  contact rating of auxiliary contacts according to UL  Short-circuit protection  design of short-circuit protection per output  Safety related data  touch protection against electrical shock  Galvanic isolation  (electrically) protective separation according to IEC 60947-1  Control circuit/ Control  product function soft starter control  type of voltage of the control supply voltage	(sand must not get into the devices), 1M4  2K2, 2C1, 2S1, 2M2  5 95 %  B300 / R300  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)  finger-safe  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)
• during transport according to IEC 60721  relative humidity     • during operation  contact rating of auxiliary contacts according to UL  Short-circuit protection  design of short-circuit protection per output  Safety related data  touch protection against electrical shock  Galvanic isolation  (electrically) protective separation according to IEC 60947-1  Control circuit/ Control  product function soft starter control	(sand must not get into the devices), 1M4  2K2, 2C1, 2S1, 2M2  5 95 %  B300 / R300  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)  finger-safe  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)
• during transport according to IEC 60721  relative humidity     • during operation  contact rating of auxiliary contacts according to UL  Short-circuit protection  design of short-circuit protection per output  Safety related data  touch protection against electrical shock  Galvanic isolation  (electrically) protective separation according to IEC 60947-1  Control circuit/ Control  product function soft starter control  type of voltage of the control supply voltage  control supply voltage at AC	(sand must not get into the devices), 1M4  2K2, 2C1, 2S1, 2M2  5 95 %  B300 / R300  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)  finger-safe  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 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	3 A
duration of inrush current peak	
• at 240 V	1 ms
ertificates/ approvals	

Certificates/ approvals

**General Product Approval** 

EMC

For use in hazardous locations



Confirmation









For use in hazardous locations

**Declaration of Conformity** 

**Test Certificates** 





Explosion Protection Certificate





Type Test Certificates/Test Report

**Test Certificates** 

Marine / Shipping

other

Special Test Certificate









Confirmation

other



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=3UF7000-1AU00-0

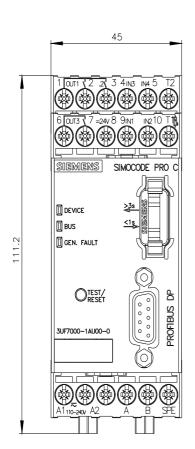
Cax online generator

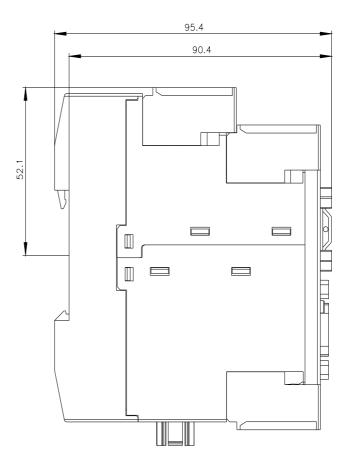
Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3UF7000-1AU00-0

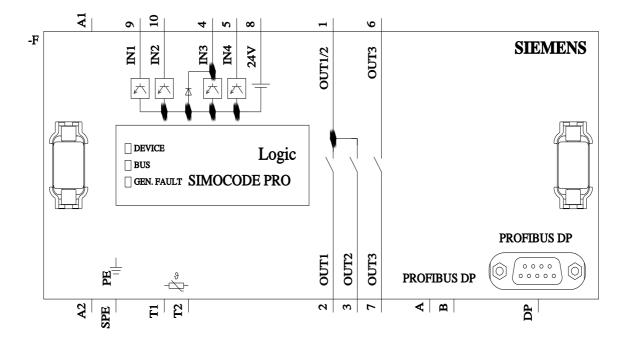
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) <a href="http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3UF7000-1AU00-0&lang=en">http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3UF7000-1AU00-0&lang=en</a>

Test report No. A0258, protective separation

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







last modified: 4/6/2023 🖸