## **SIEMENS**

Data sheet 3UF7011-1AU00-2



Basic unit SIMOCODE pro V PN GP Ethernet/PROFINET IO, PN system redundancy, OPC UA server, Web server, transmission rate 100 Mbps, 1 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
eneral technical data	
product function	
<ul> <li>bus communication</li> </ul>	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
input for ground fault detection	No
• relay output	Yes
product extension	
• temperature monitoring module	Yes
current measuring module	Yes
<ul> <li>current/voltage measuring module</li> </ul>	No
• fail-safe digital I/O module	No
ground-fault monitoring module	Yes
control unit with display	No
• control unit	Yes
analog I/O module	No
apparent power consumption	8.3 VA
consumed active power	4.8 W
insulation voltage with degree of pollution 3 at AC rated value	300 V
surge voltage resistance rated value	4 000 V
protection class IP	IP20
shock resistance	
• according to IEC 60068-2-27	15g / 11 ms
vibration resistance	1-6 Hz / 15 mm; 6-500 Hz / 2 g
switching capacity current of the NO contacts of the relay outputs at AC-15	
• at 24 V	6 A
• at 120 V	6 A

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	0.4
• 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)	08/31/2018
certificate of suitability	
according to ATEX directive 2014/34/EU	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	company de la degrae of coverity A
field-bound HF interference emission according to CISPR11	corresponds to degree of severity A
Inputs/ Outputs	
product function	
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
porror rector morning	1.12

- Inchase failures detection     - Inchase sequence recognition     - Voting detection		
vollage deciration     vollage deciration     vomotioning of number of start operations     vere vollage deciration     vollage deci	<ul> <li>ground fault detection</li> </ul>	Yes
voltage detection     vorecruirert detection 1 phase     vorecruirert detection 2 very 2	phase failure detection	Yes
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undercurrant detection   Phase   Yes   active power monitoring   No   product function   eurant detection   Yes   eurant detection   Yes   eurant detection   Yes   evaluation of thermistor moor protection   evaluation of thermistor moor protection   evaluation of thermistor moor protection   evaluation of thermistor   evaluation of thermistor moor protection   evaluation of thermistor   evaluation of thermistor   evaluation of thermistor   evaluation   evaluation of thermistoris   evaluation	<ul> <li>overvoltage detection</li> </ul>	No
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eactive power monitoring product function   vest	undervoltage detection	No
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Total cold resistance number of sensors in series maximum   1.5 kΩ	evaluation of thermistor motor protection	Yes
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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 Autosensing Media Redundancy Protocol for Planned Duplication (MRPD) si supported PROFINET system redundancy (S2)  Yes  Yes Yes Yes  Yes  Yes  Yes  No  No  No  Yes  Yes  No  Yes  Yes  Yes  Yes  Yes  Yes  Yes  Ye		
<ul> <li>protocol is supported NTP</li> <li>protocol is supported Media Redundancy Protocol (MRP)</li> <li>product function is supported Device Level Ring (DLR)</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 Autonegotiation</li> <li>at the Ethernet interface Autosensing</li> <li>at the Ethernet interface Autosensing</li> <li>Media Redundancy Protocol for Planned Duplication (MRPD)</li> <li>is supported PROFINET system redundancy (S2)</li> <li>Yes; S2 in conjunction with SIMATIC PCS 7 CPU 410-5H</li> </ul>		
protocol is supported Media Redundancy Protocol (MRP) product function is supported Device Level Ring (DLR)  number of interfaces  according to PROFINET 1 according to PROFIBUS 0 according to Ethernet/IP 0  product function web server shared device at the Ethernet interface Autocrossover at the Ethernet interface Autonegotiation at the Ethernet interface Autosensing Automatical Services Automatical Servi		
product function is supported Device Level Ring (DLR)  number of interfaces		
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  at the Ethernet interface Autosensing  Media Redundancy Protocol for Planned Duplication (MRPD)  is supported PROFINET system redundancy (S2)  Yes; S2 in conjunction with SIMATIC PCS 7 CPU 410-5H		
<ul> <li>according to PROFIBUS</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 Autonegotiation</li> <li>at the Ethernet interface Autosensing</li> <li>at the Ethernet interface Autosensing</li> <li>Media Redundancy Protocol for Planned Duplication (MRPD)</li> <li>is supported PROFINET system redundancy (S2)</li> <li>Yes; S2 in conjunction with SIMATIC PCS 7 CPU 410-5H</li> </ul>		NO
<ul> <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 Autonegotiation</li> <li>at the Ethernet interface Autosensing</li> <li>at the Ethernet interface Autosensing</li> <li>Media Redundancy Protocol for Planned Duplication (MRPD)</li> <li>is supported PROFINET system redundancy (S2)</li> <li>Yes; S2 in conjunction with SIMATIC PCS 7 CPU 410-5H</li> </ul>		
according to Ethernet/IP      product function     web server     web server     shared device     No     at the Ethernet interface Autocrossover     at the Ethernet interface Autonegotiation     at the Ethernet interface Autosensing     Automatical Ethernet interface Autosensing     Media Redundancy Protocol for Planned Duplication (MRPD)     is supported PROFINET system redundancy (S2)      Yes; S2 in conjunction with SIMATIC PCS 7 CPU 410-5H		
product function  • web server  • shared device  • at the Ethernet interface Autocrossover  • at the Ethernet interface Autosensing  • at the Ethernet interface Autosensing  • Media Redundancy Protocol for Planned Duplication (MRPD)  • is supported PROFINET system redundancy (S2)  Yes  Yes  No  Yes  Yes  Yes  Yes  Yes		
<ul> <li>web server</li> <li>shared device</li> <li>at the Ethernet interface Autocrossover</li> <li>at the Ethernet interface Autonegotiation</li> <li>at the Ethernet interface Autosensing</li> <li>at the Ethernet interface Autosensing</li> <li>Media Redundancy Protocol for Planned Duplication (MRPD)</li> <li>is supported PROFINET system redundancy (S2)</li> <li>Yes</li> <li>Yes</li></ul>		U
<ul> <li>shared device</li> <li>at the Ethernet interface Autocrossover</li> <li>at the Ethernet interface Autonegotiation</li> <li>at the Ethernet interface Autosensing</li> <li>at the Ethernet interface Autosensing</li> <li>Media Redundancy Protocol for Planned Duplication (MRPD)</li> <li>is supported PROFINET system redundancy (S2)</li> <li>Yes; S2 in conjunction with SIMATIC PCS 7 CPU 410-5H</li> </ul>	•	
<ul> <li>at the Ethernet interface Autocrossover</li> <li>at the Ethernet interface Autonegotiation</li> <li>at the Ethernet interface Autosensing</li> <li>Media Redundancy Protocol for Planned Duplication (MRPD)</li> <li>is supported PROFINET system redundancy (S2)</li> <li>Yes</li> <li>No</li> <li>Yes; S2 in conjunction with SIMATIC PCS 7 CPU 410-5H</li> </ul>		
<ul> <li>at the Ethernet interface Autonegotiation</li> <li>at the Ethernet interface Autosensing</li> <li>Media Redundancy Protocol for Planned Duplication (MRPD)</li> <li>is supported PROFINET system redundancy (S2)</li> <li>Yes</li> <li>No</li> <li>Yes; S2 in conjunction with SIMATIC PCS 7 CPU 410-5H</li> </ul>		
<ul> <li>at the Ethernet interface Autosensing</li> <li>Media Redundancy Protocol for Planned Duplication (MRPD)</li> <li>is supported PROFINET system redundancy (S2)</li> <li>Yes</li> <li>No</li> <li>Yes; S2 in conjunction with SIMATIC PCS 7 CPU 410-5H</li> </ul>		
<ul> <li>Media Redundancy Protocol for Planned Duplication (MRPD)</li> <li>is supported PROFINET system redundancy (S2)</li> <li>Yes; S2 in conjunction with SIMATIC PCS 7 CPU 410-5H</li> </ul>		
(MRPD)  • is supported PROFINET system redundancy (S2)  Yes; S2 in conjunction with SIMATIC PCS 7 CPU 410-5H	•	
	(MRPD)	
• supports PROFlenergy measured values Yes		
	supports PROFlenergy measured values	Yes

<ul> <li>supports PROFlenergy shutdown</li> </ul>	Yes
transfer rate maximum	100 Mbit/s
PROFINET conformity class	В
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
I&M2 - installation date	Yes
• I&M3 - comment	Yes
type of electrical connection of the communication interface	1 x RJ45
Installation/ mounting/ dimensions	
mounting position	any
fastening method	screw and snap-on mounting
height	111 mm
width	45 mm
depth	124 mm
required spacing	
• top	40 mm
• bottom	40 mm
• left	0 mm
• right	0 mm
Connections/ Terminals	
product component removable terminal for auxiliary and	Yes
control circuit	
type of connectable conductor cross-sections	
• 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>for AWG cables solid</li> </ul>	1x (20 12), 2x (20 14)
<ul> <li>for AWG cables stranded</li> </ul>	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)
<ul><li>2 maximum</li><li>3 maximum</li></ul>	3 000 m; max. +50 °C (no protective separation) 4 000 m; max. +40 °C (no protective separation)
• 3 maximum	
3 maximum  ambient temperature	4 000 m; max. +40 °C (no protective separation)
3 maximum  ambient temperature      during operation	4 000 m; max. +40 °C (no protective separation)
3 maximum  ambient temperature      during operation     during storage	4 000 m; max. +40 °C (no protective separation)  -25 +60 °C  -40 +80 °C
3 maximum  ambient temperature     during operation     during storage     during transport	4 000 m; max. +40 °C (no protective separation)  -25 +60 °C  -40 +80 °C  -40 +80 °C  3K6 (no formation of ice, no condensation, relative humidity 10 95%), 3C3
3 maximum  ambient temperature     • during operation     • during storage     • during transport  environmental category     • during operation according to IEC 60721	4 000 m; max. +40 °C (no protective separation)  -25 +60 °C -40 +80 °C -40 +80 °C  3K6 (no formation of ice, no condensation, relative humidity 10 95%), 3C3 (no salt mist), 3S2 (sand must not get into the devices), 3M6
3 maximum  ambient temperature     • during operation     • during storage     • during transport environmental category	4 000 m; max. +40 °C (no protective separation)  -25 +60 °C -40 +80 °C  -40 +80 °C  3K6 (no formation of ice, no condensation, relative humidity 10 95%), 3C3 (no salt mist), 3S2 (sand must not get into the devices), 3M6  1K6 (no condensation, relative humidity 10 95%), 1C2 (no salt mist), 1S2
3 maximum  ambient temperature     • during operation     • during storage     • during transport  environmental category     • during operation according to IEC 60721  • during storage according to IEC 60721	4 000 m; max. +40 °C (no protective separation)  -25 +60 °C -40 +80 °C  -40 +80 °C  3K6 (no formation of ice, no condensation, relative humidity 10 95%), 3C3 (no salt mist), 3S2 (sand must not get into the devices), 3M6  1K6 (no condensation, relative humidity 10 95%), 1C2 (no salt mist), 1S2 (sand must not get into the devices), 1M4
3 maximum  ambient temperature     • during operation     • during storage     • during transport  environmental category     • during operation according to IEC 60721      • during storage according to IEC 60721      • during transport according to IEC 60721	4 000 m; max. +40 °C (no protective separation)  -25 +60 °C -40 +80 °C  -40 +80 °C  3K6 (no formation of ice, no condensation, relative humidity 10 95%), 3C3 (no salt mist), 3S2 (sand must not get into the devices), 3M6  1K6 (no condensation, relative humidity 10 95%), 1C2 (no salt mist), 1S2
3 maximum  ambient temperature     • during operation     • during storage     • during transport  environmental category     • during operation according to IEC 60721      • during storage according to IEC 60721      • during transport according to IEC 60721  relative humidity	4 000 m; max. +40 °C (no protective separation)  -25 +60 °C -40 +80 °C  -40 +80 °C  3K6 (no formation of ice, no condensation, relative humidity 10 95%), 3C3 (no salt mist), 3S2 (sand must not get into the devices), 3M6  1K6 (no condensation, relative humidity 10 95%), 1C2 (no salt mist), 1S2 (sand must not get into the devices), 1M4
3 maximum  ambient temperature     • during operation     • during storage     • during transport  environmental category     • during operation according to IEC 60721      • during storage according to IEC 60721      • during transport according to IEC 60721  relative humidity     • during operation	4 000 m; max. +40 °C (no protective separation)  -25 +60 °C -40 +80 °C -40 +80 °C  3K6 (no formation of ice, no condensation, relative humidity 10 95%), 3C3 (no salt mist), 3S2 (sand must not get into the devices), 3M6  1K6 (no condensation, relative humidity 10 95%), 1C2 (no salt mist), 1S2 (sand must not get into the devices), 1M4  2K2, 2C1, 2S1, 2M2  5 95 %
ambient temperature     during operation     during storage     during transport environmental category     during operation according to IEC 60721      during storage according to IEC 60721      during transport according to IEC 60721  relative humidity     during operation contact rating of auxiliary contacts according to UL	4 000 m; max. +40 °C (no protective separation)  -25 +60 °C  -40 +80 °C  -40 +80 °C  3K6 (no formation of ice, no condensation, relative humidity 10 95%), 3C3 (no salt mist), 3S2 (sand must not get into the devices), 3M6  1K6 (no condensation, relative humidity 10 95%), 1C2 (no salt mist), 1S2 (sand must not get into the devices), 1M4  2K2, 2C1, 2S1, 2M2
ambient temperature     during operation     during storage     during transport environmental category     during operation according to IEC 60721      during storage according to IEC 60721      during transport according to IEC 60721      during transport according to IEC 60721  relative humidity     during operation contact rating of auxiliary contacts according to UL Short-circuit protection	4 000 m; max. +40 °C (no protective separation)  -25 +60 °C -40 +80 °C  -40 +80 °C  3K6 (no formation of ice, no condensation, relative humidity 10 95%), 3C3 (no salt mist), 3S2 (sand must not get into the devices), 3M6  1K6 (no condensation, relative humidity 10 95%), 1C2 (no salt mist), 1S2 (sand must not get into the devices), 1M4  2K2, 2C1, 2S1, 2M2  5 95 %  B300 / R300
ambient temperature     during operation     during storage     during transport environmental category     during operation according to IEC 60721      during storage according to IEC 60721      during transport according to IEC 60721  relative humidity     during operation contact rating of auxiliary contacts according to UL	4 000 m; max. +40 °C (no protective separation)  -25 +60 °C -40 +80 °C -40 +80 °C  3K6 (no formation of ice, no condensation, relative humidity 10 95%), 3C3 (no salt mist), 3S2 (sand must not get into the devices), 3M6  1K6 (no condensation, relative humidity 10 95%), 1C2 (no salt mist), 1S2 (sand must not get into the devices), 1M4  2K2, 2C1, 2S1, 2M2  5 95 %
ambient temperature     during operation     during storage     during transport environmental category     during operation according to IEC 60721      during storage according to IEC 60721      during transport according to IEC 60721      during transport according to IEC 60721  relative humidity     during operation contact rating of auxiliary contacts according to UL Short-circuit protection	4 000 m; max. +40 °C (no protective separation)  -25 +60 °C -40 +80 °C  -40 +80 °C  3K6 (no formation of ice, no condensation, relative humidity 10 95%), 3C3 (no salt mist), 3S2 (sand must not get into the devices), 3M6  1K6 (no condensation, relative humidity 10 95%), 1C2 (no salt mist), 1S2 (sand must not get into the devices), 1M4  2K2, 2C1, 2S1, 2M2  5 95 %  B300 / R300
ambient temperature     during operation     during storage     during transport  environmental category     during operation according to IEC 60721      during storage according to IEC 60721      during transport according to IEC 60721      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	4 000 m; max. +40 °C (no protective separation)  -25 +60 °C -40 +80 °C  -40 +80 °C  3K6 (no formation of ice, no condensation, relative humidity 10 95%), 3C3 (no salt mist), 3S2 (sand must not get into the devices), 3M6  1K6 (no condensation, relative humidity 10 95%), 1C2 (no salt mist), 1S2 (sand must not get into the devices), 1M4  2K2, 2C1, 2S1, 2M2  5 95 %  B300 / R300
ambient temperature     during operation     during storage     during transport      environmental category     during operation according to IEC 60721      during storage according to IEC 60721      during transport according to IEC 60721      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	4 000 m; max. +40 °C (no protective separation)  -25 +60 °C -40 +80 °C -40 +80 °C  3K6 (no formation of ice, no condensation, relative humidity 10 95%), 3C3 (no salt mist), 3S2 (sand must not get into the devices), 3M6  1K6 (no condensation, relative humidity 10 95%), 1C2 (no salt mist), 1S2 (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)
ambient temperature     during operation     during storage     during transport environmental category     during operation according to IEC 60721      during storage according to IEC 60721      during transport according to IEC 60721      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	4 000 m; max. +40 °C (no protective separation)  -25 +60 °C -40 +80 °C -40 +80 °C  3K6 (no formation of ice, no condensation, relative humidity 10 95%), 3C3 (no salt mist), 3S2 (sand must not get into the devices), 3M6  1K6 (no condensation, relative humidity 10 95%), 1C2 (no salt mist), 1S2 (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)
ambient temperature     during operation     during storage     during transport      environmental category     during operation according to IEC 60721      during storage according to IEC 60721      during transport according to IEC 60721      during transport according to IEC 60721      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	4 000 m; max. +40 °C (no protective separation)  -25 +60 °C -40 +80 °C -40 +80 °C  3K6 (no formation of ice, no condensation, relative humidity 10 95%), 3C3 (no salt mist), 3S2 (sand must not get into the devices), 3M6  1K6 (no condensation, relative humidity 10 95%), 1C2 (no salt mist), 1S2 (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
ambient temperature     during operation     during storage     during transport  environmental category     during storage according to IEC 60721      during storage according to IEC 60721      during transport according to IEC 60721      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	4 000 m; max. +40 °C (no protective separation)  -25 +60 °C -40 +80 °C -40 +80 °C  3K6 (no formation of ice, no condensation, relative humidity 10 95%), 3C3 (no salt mist), 3S2 (sand must not get into the devices), 3M6  1K6 (no condensation, relative humidity 10 95%), 1C2 (no salt mist), 1S2 (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
ambient temperature     during operation     during storage     during transport  environmental category     during operation according to IEC 60721      during storage according to IEC 60721      during transport according to IEC 60721      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	4 000 m; max. +40 °C (no protective separation)  -25 +60 °C -40 +80 °C -40 +80 °C  3K6 (no formation of ice, no condensation, relative humidity 10 95%), 3C3 (no salt mist), 3S2 (sand must not get into the devices), 3M6  1K6 (no condensation, relative humidity 10 95%), 1C2 (no salt mist), 1S2 (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)
ambient temperature         • during operation         • during storage         • during transport  environmental category         • during storage according to IEC 60721          • during storage according to IEC 60721          • during storage according to IEC 60721          • 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	4 000 m; max. +40 °C (no protective separation)  -25 +60 °C -40 +80 °C -40 +80 °C  3K6 (no formation of ice, no condensation, relative humidity 10 95%), 3C3 (no salt mist), 3S2 (sand must not get into the devices), 3M6  1K6 (no condensation, relative humidity 10 95%), 1C2 (no salt mist), 1S2 (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)
ambient temperature         • during operation         • during storage         • during transport  environmental category         • during storage according to IEC 60721          • during storage according to IEC 60721          • during storage according to IEC 60721          • 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	4 000 m; max. +40 °C (no protective separation)  -25 +60 °C -40 +80 °C -40 +80 °C  3K6 (no formation of ice, no condensation, relative humidity 10 95%), 3C3 (no salt mist), 3S2 (sand must not get into the devices), 3M6  1K6 (no condensation, relative humidity 10 95%), 1C2 (no salt mist), 1S2 (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)

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

Certificates/ approvals

**General Product Approval** 

**EMC** 

For use in hazardous locations



Confirmation









For use in hazardous locations

**Declaration of Conformity** 









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=3UF7011-1AU00-2

Cax online generator

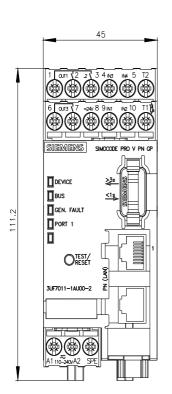
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3UF7011-1AU00-2

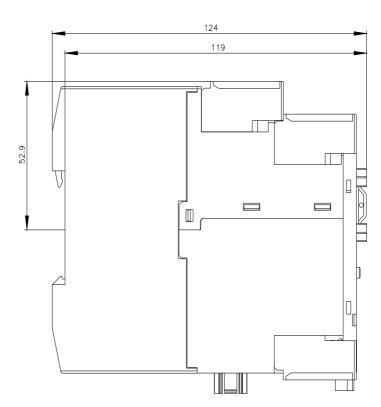
Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3UF7011-1AU00-2

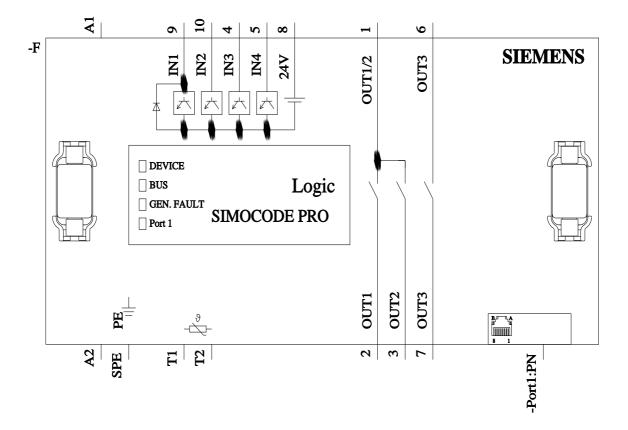
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3UF7011-1AU00-2&lang=en

Test report No. A0258, protective separation

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







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