SIEMENS

Data sheet

3UF7011-1AB00-0



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

product brand name	SIRIUS		
product designation	Motor management system		
design of the product	basic unit 3		
product type designation	SIMOCODE pro V PN		
General technical data			
product function			
bus communication	Yes		
 data acquisition function 	Yes		
 diagnostics function 	Yes		
 password protection 	Yes		
test function	Yes		
 maintenance function 	Yes		
product component			
 input for thermistor connection 	Yes		
 digital input 	Yes		
 input for analog temperature sensors 	No		
 input for ground fault detection 	No		
 relay output 	Yes		
product extension			
 temperature monitoring module 	Yes		
 current measuring module 	Yes		
 current/voltage measuring module 	Yes		
 fail-safe digital I/O module 	Yes		
 ground-fault monitoring module 	Yes		
 control unit with display 	Yes		
control unit	Yes		
analog I/O module	Yes		
consumed active power	3.6 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		

e1 80 V					
inclusion 100 0000 electrical endurance (operating cycles) typical 100 000 electrical endurance (operating cycles) typical 00 000 Differing time in the event of power failure 0.52 a electrical endurance (operating cycles) typical 0.52 a electrical endurance (operating cycles) typical 0.52 a electrical endurance (operating cycles) typical 0.54 a electrical endurance (operating cycles) typical 0.54 a electrical endurance (operating cycles) typical 0.54 a statistical endurance (operating cycles) typical 0.55 a excertificat of sublability 0.55 a electrical endurance endu	• at 60 V	0.55 A			
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	• IECEx	Yes; IECEx BVS 20.0020 / IECEx PTB 18.0004X			
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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 • with conductor cross-section = 0.5 mm ² maximum 50 m • with conductor cross-section = 1.5 mm ² maximum 50 m • with conductor cross-section = 2.5 mm ² maximum 250 m Protective and monitoring functions Yes product function Yes • blocking current evaluation Yes • power factor monitoring Yes	number of inputs	4			
digital input version 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 50 m • with conductor cross-section = 0.5 mm² maximum 50 m • with conductor cross-section = 1.5 mm² maximum 50 m • with conductor cross-section = 2.5 mm² maximum 250 m Protective and monitoring functions Yes product function Yes • blocking current evaluation Yes • power factor monitoring Yes	 for thermistor connection 	1			
• type 1 acc. to IEC 61131Yesinput voltage at digital input at DC rated value24 Vnumber of outputs3number of semiconductor outputs0number of semiconductor outputs0number of outputs as contact-affected switching element3switching behaviormonostabletype of relay outputsMonostablewire length for digital signals maximum300 mwire length for thermistor connection• with conductor cross-section = 0.5 mm² maximum50 m• with conductor cross-section = 1.5 mm² maximum50 m• with conductor cross-section = 2.5 mm² maximum250 mProtective and monitoring functionsYes• asymmetry detectionYes• blocking current evaluationYes• power factor monitoringYes	number of digital inputs with a common reference potential	4			
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 • 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 Yes product function Yes • power factor monitoring Yes	digital input version				
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 50 m • with conductor cross-section = 0.5 mm² maximum 50 m • with conductor cross-section = 1.5 mm² maximum 250 m Protective and monitoring functions 250 m product function Yes • blocking current evaluation Yes • power factor monitoring Yes	• type 1 acc. to IEC 61131	Yes			
number of semiconductor outputs0number of outputs as contact-affected switching element3switching behaviormonostabletype of relay outputsMonostablewire length for digital signals maximum300 mwire length for thermistor connection•• with conductor cross-section = 0.5 mm² maximum50 m• with conductor cross-section = 1.5 mm² maximum150 m• with conductor cross-section = 2.5 mm² maximum250 mProtective and monitoring functionsYes• asymmetry detectionYes• blocking current evaluationYes• power factor monitoringYes	input voltage at digital input at DC rated value	24 V			
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	number of outputs	3			
switching behaviormonostabletype of relay outputsMonostablewire length for digital signals maximum300 mwire length for thermistor connection50 m• with conductor cross-section = 0.5 mm² maximum50 m• with conductor cross-section = 1.5 mm² maximum150 m• with conductor cross-section = 2.5 mm² maximum250 mProtective and monitoring functions250 mproduct functionYes• asymmetry detectionYes• blocking current evaluationYes• power factor monitoringYes	number of semiconductor outputs	0			
type of relay outputsMonostablewire length for digital signals maximum300 mwire length for thermistor connection• with conductor cross-section = 0.5 mm² maximum50 m• with conductor cross-section = 1.5 mm² maximum150 m• with conductor cross-section = 2.5 mm² maximum250 mProtective and monitoring functionsproduct functionYes• asymmetry detectionYes• blocking current evaluationYes• power factor monitoringYes	number of outputs as contact-affected switching element	3			
wire length for digital signals maximum 300 m wire length for thermistor connection	switching behavior	monostable			
wire length for thermistor connection 50 m • 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 250 m product function Yes • blocking current evaluation Yes • power factor monitoring Yes	type of relay outputs	Monostable			
• with conductor cross-section = 0.5 mm² maximum50 m• with conductor cross-section = 1.5 mm² maximum150 m• with conductor cross-section = 2.5 mm² maximum250 mProtective and monitoring functionsproduct function• asymmetry detectionYes• blocking current evaluationYes• power factor monitoringYes	wire length for digital signals maximum	300 m			
• with conductor cross-section = 1.5 mm² maximum150 m• with conductor cross-section = 2.5 mm² maximum250 mProtective and monitoring functions900 m• product functionYes• asymmetry detectionYes• blocking current evaluationYes• power factor monitoringYes	wire length for thermistor connection				
• with conductor cross-section = 2.5 mm² maximum 250 m Protective and monitoring functions	- with conductor cross contion - 0 E raw? maying up	50 m			
Protective and monitoring functions product function • asymmetry detection • blocking current evaluation • power factor monitoring Yes	• with conductor cross-section = 0.5 mm ⁻ maximum				
product function Yes • asymmetry detection Yes • blocking current evaluation Yes • power factor monitoring Yes		150 m			
product function Yes • asymmetry detection Yes • blocking current evaluation Yes • power factor monitoring Yes	• with conductor cross-section = 1.5 mm ² maximum				
• asymmetry detection Yes • blocking current evaluation Yes • power factor monitoring Yes	 with conductor cross-section = 1.5 mm² maximum with conductor cross-section = 2.5 mm² maximum 				
blocking current evaluation Yes power factor monitoring Yes	 with conductor cross-section = 1.5 mm² maximum with conductor cross-section = 2.5 mm² maximum Protective and monitoring functions 				
power factor monitoring Yes	 with conductor cross-section = 1.5 mm² maximum with conductor cross-section = 2.5 mm² maximum Protective and monitoring functions product function 	250 m			
	 with conductor cross-section = 1.5 mm² maximum with conductor cross-section = 2.5 mm² maximum Protective and monitoring functions product function asymmetry detection 	250 m Yes			
-	 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 	250 m Yes Yes			
phase failure detection Yes	 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 	250 m Yes Yes Yes			

	Vaa
phase sequence recognition	Yes
voltage detection	Yes
monitoring of number of start operations	Yes
overvoltage detection	Yes
overcurrent detection 1 phase	Yes
undervoltage detection	Yes
 undercurrent detection 1 phase 	Yes
active power monitoring	Yes
product function	
 current detection 	Yes
 overload protection 	Yes
evaluation of thermistor motor protection	Yes
total cold resistance number of sensors in series 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	
 parameterizable overload relay 	Yes
circuit breaker control	Yes
direct start	Yes
reverse starting	Yes
• star-delta circuit	Yes
 star-delta reversing circuit 	Yes
Dahlander circuit	Yes
 Dahlander reversing circuit 	Yes
 pole-changing switch circuit 	Yes
 pole-changing switch reversing circuit 	Yes
slide control	Yes
valve control	Yes
Communication/ Protocol	
protocol is supported	
PROFIBUS DP protocol	No
	No Yes
PROFIBUS DP protocolPROFINET IO protocolPROFIsafe protocol	
PROFIBUS DP protocol PROFINET IO protocol	Yes
 PROFIBUS DP protocol PROFINET IO protocol PROFIsafe protocol Modbus RTU EtherNet/IP 	Yes Yes
 PROFIBUS DP protocol PROFINET IO protocol PROFIsafe protocol Modbus RTU 	Yes Yes No
 PROFIBUS DP protocol PROFINET IO protocol PROFIsafe protocol Modbus RTU EtherNet/IP 	Yes Yes No No
 PROFIBUS DP protocol PROFINET IO protocol PROFIsafe protocol Modbus RTU EtherNet/IP OPC UA Server 	Yes Yes No Yes
 PROFIBUS DP protocol PROFINET IO protocol PROFIsafe protocol Modbus RTU EtherNet/IP OPC UA Server LLDP Address Resolution Protocol (ARP) SNMP 	Yes Yes No Yes Yes
 PROFIBUS DP protocol PROFINET IO protocol PROFIsafe protocol Modbus RTU EtherNet/IP OPC UA Server LLDP Address Resolution Protocol (ARP) 	Yes Yes No Yes Yes Yes
 PROFIBUS DP protocol PROFINET IO protocol PROFIsafe protocol Modbus RTU EtherNet/IP OPC UA Server LLDP Address Resolution Protocol (ARP) SNMP HTTPS NTP 	Yes No No Yes Yes Yes Yes
 PROFIBUS DP protocol PROFINET IO protocol PROFIsafe protocol Modbus RTU EtherNet/IP OPC UA Server LLDP Address Resolution Protocol (ARP) SNMP HTTPS 	Yes Yes No Yes Yes Yes
 PROFIBUS DP protocol PROFINET IO protocol PROFIsafe protocol Modbus RTU EtherNet/IP OPC UA Server LLDP Address Resolution Protocol (ARP) SNMP HTTPS NTP 	Yes No No Yes Yes Yes Yes
 PROFIBUS DP protocol PROFINET IO protocol PROFIsafe protocol Modbus RTU EtherNet/IP OPC UA Server LLDP Address Resolution Protocol (ARP) SNMP HTTPS NTP Media Redundancy Protocol (MRP) number of interfaces according to PROFINET 	Yes Yes No No Yes Yes Yes Yes Yes Yes
 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 	Yes Yes No No Yes Yes Yes Yes Yes Yes
 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 	Yes Yes No No Yes Yes Yes Yes Yes Yes
 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 	Yes Yes No No Yes Yes Yes Yes Yes Yes
 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 	Yes Yes No No Yes Yes Yes Yes Yes Yes Yes Yes
 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 	Yes Yes No No Yes Yes Yes Yes Yes Yes
 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 	Yes Yes No No Yes Yes Yes Yes Yes Yes Yes
 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 	Yes Yes No No Yes Yes Yes Yes Yes Yes Yes
 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 	Yes Yes No No Yes Yes Yes Yes Yes Yes Yes
 PROFIBUS DP protocol PROFINET IO protocol PROFIsafe protocol Modbus RTU EtherNet/IP OPC UA Server LLDP Address Resolution Protocol (ARP) SNMP HTTPS NTP Media Redundancy Protocol (MRP) number of interfaces according to PROFINET according to PROFIBUS according to Ethernet/IP product function web server shared device at the Ethernet interface Autocrossover at the Ethernet interface Autonegotiation 	Yes Yes No No Yes Yes Yes Yes Yes Yes Yes
 PROFIBUS DP protocol PROFINET IO protocol PROFIsafe protocol Modbus RTU EtherNet/IP OPC UA Server LLDP Address Resolution Protocol (ARP) SNMP HTTPS NTP Media Redundancy Protocol (MRP) number of interfaces according to PROFINET according to PROFIBUS according to Ethernet/IP product function web server shared device at the Ethernet interface Autocrossover at the Ethernet interface Autosensing Media Redundancy Protocol for Planned Duplication 	Yes Yes No No Yes Yes Yes Yes Yes Yes Yes Yes
 PROFIBUS DP protocol PROFINET IO protocol PROFIsafe protocol Modbus RTU EtherNet/IP OPC UA Server LLDP Address Resolution Protocol (ARP) SNMP HTTPS NTP Media Redundancy Protocol (MRP) number of interfaces according to PROFINET according to PROFIBUS according to Ethernet/IP product function web server shared device at the Ethernet interface Autocrossover at the Ethernet interface Autosensing Media Redundancy Protocol for Planned Duplication (MRPD) 	Yes Yes No No Yes Yes
 PROFIBUS DP protocol PROFINET IO protocol PROFISafe protocol Modbus RTU EtherNet/IP OPC UA Server LLDP Address Resolution Protocol (ARP) SNMP HTTPS NTP Media Redundancy Protocol (MRP) number of interfaces according to PROFINET according to PROFIBUS according to Ethernet/IP product function web server shared device at the Ethernet interface Autocrossover at the Ethernet interface Autosensing Media Redundancy Protocol for Planned Duplication (MRPD) 	Yes Yes No No Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes
 PROFIBUS DP protocol PROFINET IO protocol PROFIsafe protocol Modbus RTU EtherNet/IP OPC UA Server LLDP Address Resolution Protocol (ARP) SNMP HTTPS NTP Media Redundancy Protocol (MRP) number of interfaces according to PROFINET according to PROFIBUS according to Ethernet/IP product function web server shared device at the Ethernet interface Autocrossover at the Ethernet interface Autosensing Media Redundancy Protocol for Planned Duplication (MRPD) is supported Device Level Ring (DLR) is supported PROFINET system redundancy (S2) 	Yes Yes No No Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes
 PROFIBUS DP protocol PROFINET IO protocol PROFIsafe protocol Modbus RTU EtherNet/IP OPC UA Server LLDP Address Resolution Protocol (ARP) SNMP HTTPS NTP Media Redundancy Protocol (MRP) number of interfaces according to PROFINET according to PROFIBUS according to Ethernet/IP product function web server shared device at the Ethernet interface Autocrossover at the Ethernet interface Autosensing Media Redundancy Protocol for Planned Duplication (MRPD) 	Yes Yes No No No Yes Yes <tr td=""></tr>

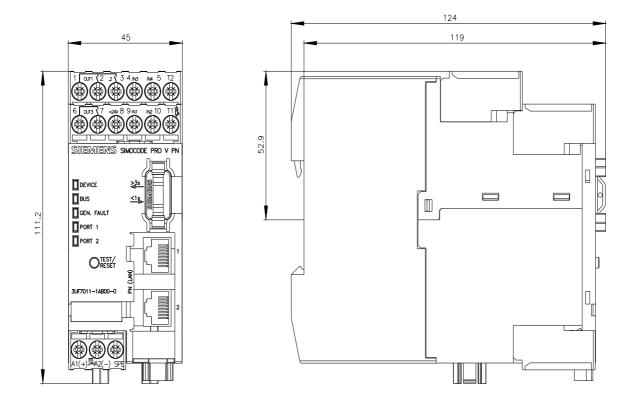
	0
PROFINET conformity class	C
identification & maintenance function	Vee
I&M0 - device-specific information	Yes
I&M1 - higher level designation/location designation	Yes
I&M2 - installation date	Yes
I&M3 - comment	Yes
type of electrical connection of the communication interface	2x RJ45
Installation/ mounting/ dimensions	
mounting position	any
fastening method	screw and snap-on mounting
height	111 mm
width	45 mm
depth	124 mm
required spacing	
• top	40 mm
bottom	40 mm
• left	0 mm
• right	0 mm
Connections/ Terminals	
product component removable terminal for auxiliary and control circuit	Yes
type of connectable conductor cross-sections solid 	$1 \times (0.5 \pm 4.0 \text{ mm}^2) \times (0.5 \pm 2.5 \text{ mm}^2)$
	$1x (0.5 4.0 \text{ mm}^2), 2x (0.5 2.5 \text{ mm}^2)$
finely stranded with core end processing for AWC applies polid	1x (0.5 2.5 mm ²), 2x (0.5 1.5 mm ²)
• for AWG cables solid	1x (20 12), 2x (20 14)
for AWG cables stranded	1x (20 14), 2x (20 16)
tightening torque with screw-type terminals	0.8 1.2 N·m
tightening torque [lbf-in] with screw-type terminals	7 10.3 lbf·in
Ambient conditions	
installation altitude at height above sea level	
• 1 maximum	2 000 m
• 2 maximum	3 000 m; max. +50 °C (no protective separation)
• 3 maximum	4 000 m; max. +40 °C (no protective separation)
ambient temperature	
during operation	-25 +60 °C
during storage	-40 +80 °C
 during transport 	-40 +80 °C
environmental category	
environmental categoryduring 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 operation according to IEC 60721	(no salt mist), 3S2 (sand must not get into the devices), 3M6 1K6 (no condensation, relative humidity 10 95%), 1C2 (no salt mist), 1S2
during operation according to IEC 60721during storage according to IEC 60721	(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
 during operation according to IEC 60721 during storage according to IEC 60721 during transport according to IEC 60721 	(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
during operation according to IEC 60721 during storage according to IEC 60721 during transport according to IEC 60721 relative humidity	(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
during operation according to IEC 60721 during storage according to IEC 60721 during transport according to IEC 60721 relative humidity during operation	 (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 %
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	 (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 %
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 Short-circuit protection	 (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-
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 Short-circuit protection design of short-circuit protection per output	 (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-
Ouring operation according to IEC 60721 Ouring storage according to IEC 60721 Ouring transport according to IEC 60721 Ouring operation Ouring operation Contact rating of auxiliary contacts according to UL Short-circuit protection design of short-circuit protection per output Electrical Safety	 (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)
Ouring operation according to IEC 60721 Ouring storage according to IEC 60721 Ouring transport according to IEC 60721 Ouring operation Ouring operation Contact rating of auxiliary contacts according to UL Short-circuit protection design of short-circuit protection per output Electrical Safety touch protection against electrical shock	 (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)
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 Short-circuit protection design of short-circuit protection per output Electrical Safety touch protection against electrical shock Galvanic isolation	 (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
during operation according to IEC 60721 during storage according to IEC 60721 during transport according to IEC 60721 eduring operation contact rating of auxiliary contacts according to UL Short-circuit protection design of short-circuit protection per output Electrical Safety touch protection against electrical shock Galvanic isolation (electrically) protective separation according to IEC 60947-1	 (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
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 Short-circuit protection design of short-circuit protection per output Electrical Safety touch protection against electrical shock Galvanic isolation (electrically) protective separation according to IEC 60947-1	 (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)
during operation according to IEC 60721 during storage according to IEC 60721 during transport according to IEC 60721 eduring operation contact rating of auxiliary contacts according to UL Short-circuit protection design of short-circuit protection per output Electrical Safety 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	(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) Yes
during operation according to IEC 60721 during storage according to IEC 60721 during transport according to IEC 60721 eduring operation contact rating of auxiliary contacts according to UL Short-circuit protection design of short-circuit protection per output Electrical Safety touch protection against electrical shock Galvanic isolation (electrically) protective separation according to IEC 60947-1 Control circuit/ Control product function soft starter control	(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) Yes
during operation according to IEC 60721 during storage 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 Electrical Safety 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 DC erated value	<pre>(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) Yes DC 24 V</pre>
during operation according to IEC 60721 during storage according to IEC 60721 during transport according to IEC 60721 eduring operation contact rating of auxiliary contacts according to UL Short-circuit protection design of short-circuit protection per output Electrical Safety 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 DC	(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) Yes DC

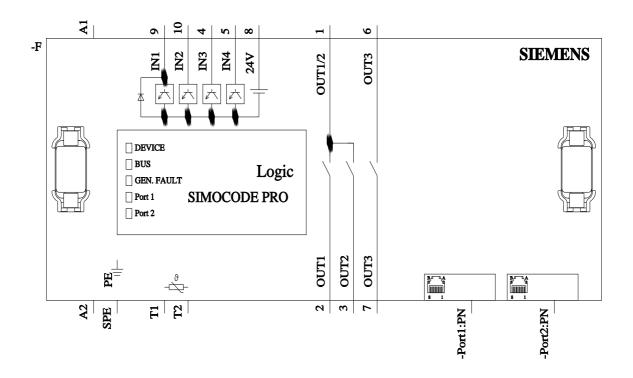
C					
 initial value 		0.85			
 full-scale value 		1.2			
nrush current peak					
• at 24 V		17 A			
duration of inrush cui	rrent peak				
• at 24 V		1.1 m	IS		
oprovals Certificates					
General Product App	roval			EMC	For use in hazard- ous locations
	<u>Confirmation</u>		EAC	RCM	K ATEX
For use in hazardous	locations			Declaration of Conf	ormity
IECEx	K ATEX	IECEx	Explosion Protection Certificate	UK CA	CE EG-Konf.
Test Certificates			Marine / Shipping		
<u>Special Test Certific-</u> <u>ate</u>	<u>Type Test Certific-</u> ates/Test Report	<u>Special Test Certific-</u> <u>ate</u>	ABS	Llovd's Register uts	KMRS
Marine / Shipping	other				
DNV-GL	<u>Confirmation</u>	Profibus			

- Siemens is working on the renewal of the current EAC certificates.
- Please contact your local Siemens office on the status of validity of the EAC certification if you intend to import or offer to supply these products to an EAC relevant market (other than the sanctioned EAEU member states Russia or Belarus).
- Information on the packaging
- https://support.industry.siemens.com/cs/ww/en/view/109813875
- Information- and Downloadcenter (Catalogs, Brochures,...)
- https://www.siemens.com/ic10
- Industry Mall (Online ordering system)

https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3UF7011-1AB00-0

- Cax online generator
- http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3UF7011-1AB00-0
- Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
- https://support.industry.siemens.com/cs/ww/en/ps/3UF7011-1AB00-0
- Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)
- http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3UF7011-1AB00-0&lang=en
- Test report No. A0258, protective separation
- https://support.industry.siemens.com/cs/ww/en/view/109748152





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