## SIEMENS

## Data sheet

## 6ES7212-1AF40-0XB0



SIMATIC S7-1200F, CPU 1212 FC, compact CPU, DC/DC/DC, onboard I/O: 8 DI 24 V DC; 6 DO 24 V DC; 2 AI 0-10 V DC, Power supply: DC 20.4-28.8V DC, Program/data memory 100 KB

General information			
Product type designation	CPU 1212FC DC/DC/DC		
Firmware version	V4.5		
Engineering with			
<ul> <li>Programming package</li> </ul>	STEP 7 V17 or higher		
Supply voltage			
Rated value (DC)			
• 24 V DC	Yes		
permissible range, lower limit (DC)	20.4 V		
permissible range, upper limit (DC)	28.8 V		
Reverse polarity protection	Yes		
Load voltage L+			
<ul> <li>Rated value (DC)</li> </ul>	24 V		
<ul> <li>permissible range, lower limit (DC)</li> </ul>	20.4 V		
<ul> <li>permissible range, upper limit (DC)</li> </ul>	28.8 V		
Input current			
Current consumption (rated value)	400 mA; CPU only		
Current consumption, max.	1 200 mA; CPU with all expansion modules		
Inrush current, max.	12 A; at 28.8 V DC		
l²t	0.5 A <sup>2</sup> ·s		
Output current			
for backplane bus (5 V DC), max.	1 000 mA; Max. 5 V DC for SM and CM		
Encoder supply			
24 V encoder supply			
• 24 V	L+ minus 4 V DC min.		
Power loss			
Power loss, typ.	9 W		
Memory			
Work memory			
<ul> <li>integrated</li> </ul>	100 kbyte		
expandable	No		
Load memory			
<ul> <li>integrated</li> </ul>	2 Mbyte		
<ul> <li>Plug-in (SIMATIC Memory Card), max.</li> </ul>	with SIMATIC memory card		
Backup			
• present	Yes		
maintenance-free	Yes		
without battery	Yes		
CPU processing times			
for bit operations, typ.	0.08 µs; / instruction		

for word operations, typ.	1.7 µs; / instruction			
for floating point arithmetic, typ.	2.3 µs; / instruction			
CPU-blocks	2.5 μ3, 7 π3π ασιοπ			
Number of blocks (total)	DBs, FCs, FBs, counters and timers. The maximum number of addressable blocks ranges from 1 to 65535. There is no restriction, the entire working memory can be used			
OB				
Number, max.	Limited only by RAM for code			
Data areas and their retentivity				
Retentive data area (incl. timers, counters, flags), max.	14 kbyte			
Flag				
• Size, max.	4 kbyte; Size of bit memory address area			
<ul> <li>per priority class, max.</li> </ul>	16 kbyte; Priority class 1 (program cycle): 16 KB, priority class 2 to 26: 6			
Address area	КВ			
Process image				
Inputs, adjustable	1 kbyte			
Outputs, adjustable	1 kbyte			
Hardware configuration				
	2 comm modulos 1 signal board 2 signal modulos			
Number of modules per system, max.	3 comm. modules, 1 signal board, 2 signal modules			
Time of day				
Clock				
Hardware clock (real-time)	Yes			
Backup time	480 h; Typical			
<ul> <li>Deviation per day, max.</li> </ul>	60 s/month at 25 °C			
Digital inputs				
Number of digital inputs	8; Integrated			
<ul> <li>of which inputs usable for technological functions</li> </ul>	4; HSC (High Speed Counting)			
Source/sink input	Yes			
Number of simultaneously controllable inputs				
all mounting positions				
— up to 40 °C, max.	8			
Input voltage				
<ul> <li>Rated value (DC)</li> </ul>	24 V			
<ul> <li>for signal "0"</li> </ul>	5 V DC at 1 mA			
● for signal "1"	15 V DC at 2.5 mA			
Input delay (for rated value of input voltage)				
for standard inputs				
— parameterizable	0.2 ms, 0.4 ms, 0.8 ms, 1.6 ms, 3.2 ms, 6.4 ms and 12.8 ms, selectable in groups of four			
— at "0" to "1", min.	0.2 ms			
— at "0" to "1", max.	12.8 ms			
for interrupt inputs				
— parameterizable	Yes			
for technological functions				
— parameterizable	Single phase: 3 @ 100 kHz & 3 @ 30 kHz, differential: 3 @ 80 kHz & 3 @ 30 kHz			
Cable length				
<ul> <li>shielded, max.</li> </ul>	500 m; 50 m for technological functions			
• unshielded, max.	300 m; for technological functions: No			
Digital outputs				
Number of digital outputs	6			
<ul> <li>of which high-speed outputs</li> </ul>	4; 100 kHz Pulse Train Output			
Limitation of inductive shutdown voltage to	L+ (-48 V)			
Switching capacity of the outputs				
<ul> <li>with resistive load, max.</li> </ul>	0.5 A			
• on lamp load, max.	5 W			
Output voltage				
• for signal "0", max.	0.1 V; with 10 kOhm load			
• for signal "1", min.	20 V			
Output current				
<ul> <li>for signal "1" rated value</li> </ul>	0.5 A			
-				

a for signal "0" residual surrent may	0.1 mA
for signal "0" residual current, max.	0.1 mA
Output delay with resistive load	4.00
<ul> <li>"0" to "1", max.</li> <li>"1" to "0", max.</li> </ul>	1 µs
	5 µs
Switching frequency	100 kHz
of the pulse outputs, with resistive load, max.	
Relay outputs     Number of relay outputs	0
Cable length	0
• shielded, max.	500 m
• unshielded, max.	150 m
Analog inputs	
	0
Number of analog inputs	2
Input ranges	Vec
Voltage	Yes
Input ranges (rated values), voltages • 0 to +10 V	Yes
— Input resistance (0 to 10 V)	≥100k ohms
Cable length <ul> <li>shielded, max.</li> </ul>	100 m; twisted and shielded
Analog outputs	0
Number of analog outputs	0
Analog value generation for the inputs	
Integration and conversion time/resolution per channel	
<ul> <li>Resolution with overrange (bit including sign), max.</li> </ul>	10 bit
<ul> <li>Integration time, parameterizable</li> </ul>	Yes
<ul> <li>Conversion time (per channel)</li> </ul>	625 µs
Encoder	
Connectable encoders	
• 2-wire sensor	Yes
1. Interface	
	PROFINET
1. Interface Interface type Isolated	PROFINET Yes
Interface type	
Interface type Isolated automatic detection of transmission rate	Yes
Interface type Isolated	Yes Yes
Interface type Isolated automatic detection of transmission rate Autonegotiation	Yes Yes
Interface type Isolated automatic detection of transmission rate Autonegotiation Autocrossing	Yes Yes
Interface type Isolated automatic detection of transmission rate Autonegotiation Autocrossing Interface types	Yes Yes Yes
Interface type Isolated automatic detection of transmission rate Autonegotiation Autocrossing Interface types • RJ 45 (Ethernet)	Yes Yes Yes Yes
Interface type Isolated automatic detection of transmission rate Autonegotiation Autocrossing Interface types • RJ 45 (Ethernet) • Number of ports	Yes Yes Yes Yes 1
Interface type Isolated automatic detection of transmission rate Autonegotiation Autocrossing Interface types • RJ 45 (Ethernet) • Number of ports • integrated switch	Yes Yes Yes Yes 1
Interface type Isolated automatic detection of transmission rate Autonegotiation Autocrossing Interface types • RJ 45 (Ethernet) • Number of ports • integrated switch Protocols	Yes Yes Yes 1 No
Interface type Isolated automatic detection of transmission rate Autonegotiation Autocrossing Interface types • RJ 45 (Ethernet) • Number of ports • integrated switch Protocols • PROFINET IO Controller	Yes Yes Yes Yes Yes Yes
Interface type Isolated automatic detection of transmission rate Autonegotiation Autocrossing Interface types • RJ 45 (Ethernet) • Number of ports • integrated switch Protocols • PROFINET IO Controller • PROFINET IO Device	Yes Yes Yes Yes Yes Yes
Interface type Isolated automatic detection of transmission rate Autonegotiation Autocrossing Interface types • RJ 45 (Ethernet) • Number of ports • integrated switch Protocols • PROFINET IO Controller • PROFINET IO Controller • PROFINET IO Device • SIMATIC communication	Yes Yes Yes Yes Yes Yes Yes Yes
Interface type Isolated automatic detection of transmission rate Autonegotiation Autocrossing Interface types • RJ 45 (Ethernet) • Number of ports • integrated switch Protocols • PROFINET IO Controller • PROFINET IO Device • SIMATIC communication • Open IE communication • Web server • Media redundancy	Yes Yes Yes Yes Yes 1 No Yes Yes Yes Yes Yes; Optionally also encrypted
Interface type Isolated automatic detection of transmission rate Autonegotiation Autocrossing Interface types • RJ 45 (Ethernet) • Number of ports • integrated switch Protocols • PROFINET IO Controller • PROFINET IO Device • SIMATIC communication • Open IE communication • Web server	Yes Yes Yes Yes Yes Yes Yes Yes Yes; Optionally also encrypted Yes No
Interface type Isolated automatic detection of transmission rate Autonegotiation Autocrossing Interface types • RJ 45 (Ethernet) • Number of ports • integrated switch Protocols • PROFINET IO Controller • PROFINET IO Device • SIMATIC communication • Open IE communication • Web server • Media redundancy PROFINET IO Controller • Transmission rate, max.	Yes Yes Yes Yes Yes 1 No Yes Yes Yes Yes; Optionally also encrypted Yes
Interface type Isolated automatic detection of transmission rate Autonegotiation Autocrossing Interface types • RJ 45 (Ethernet) • Number of ports • integrated switch Protocols • PROFINET IO Controller • PROFINET IO Device • SIMATIC communication • Open IE communication • Web server • Media redundancy PROFINET IO Controller • Transmission rate, max. Services	Yes Yes Yes Yes Yes 1 No Yes Yes Yes Yes; Optionally also encrypted Yes No
Interface type Isolated automatic detection of transmission rate Autonegotiation Autocrossing Interface types • RJ 45 (Ethernet) • Number of ports • integrated switch Protocols • PROFINET IO Controller • PROFINET IO Controller • SIMATIC communication • Open IE communication • Web server • Media redundancy PROFINET IO Controller • Transmission rate, max. Services — PG/OP communication	Yes Yes Yes Yes Yes 1 No Yes Yes Yes Yes Yes; Optionally also encrypted Yes No 100 Mbit/s
Interface type Isolated automatic detection of transmission rate Autonegotiation Autocrossing Interface types • RJ 45 (Ethernet) • Number of ports • integrated switch Protocols • PROFINET IO Controller • PROFINET IO Device • SIMATIC communication • Open IE communication • Web server • Media redundancy PROFINET IO Controller • Transmission rate, max. Services - PG/OP communication - Isochronous mode	Yes Yes Yes Yes Yes 1 No Yes Yes Yes Yes; Optionally also encrypted Yes No 100 Mbit/s Yes; encryption with TLS V1.3 pre-selected No
Interface type Isolated automatic detection of transmission rate Autonegotiation Autocrossing Interface types • RJ 45 (Ethernet) • Number of ports • integrated switch Protocols • PROFINET IO Controller • PROFINET IO Device • SIMATIC communication • Open IE communication • Web server • Media redundancy PROFINET IO Controller • Transmission rate, max. Services - PG/OP communication - Isochronous mode - IRT	Yes Yes Yes Yes Yes Yes 1 No Yes Yes Yes Yes; Optionally also encrypted Yes No 100 Mbit/s Yes; encryption with TLS V1.3 pre-selected No No
Interface type Isolated automatic detection of transmission rate Autonegotiation Autocrossing Interface types • RJ 45 (Ethernet) • Number of ports • integrated switch Protocols • PROFINET IO Controller • PROFINET IO Device • SIMATIC communication • Open IE communication • Web server • Media redundancy PROFINET IO Controller • Transmission rate, max. Services - PG/OP communication - Isochronous mode - IRT - PROFIenergy	Yes Yes Yes Yes Yes Yes 1 No Yes Yes Yes; Optionally also encrypted Yes No Yes; encryption with TLS V1.3 pre-selected No No
Interface type Isolated automatic detection of transmission rate Autonegotiation Autocrossing Interface types • RJ 45 (Ethernet) • Number of ports • integrated switch Protocols • PROFINET IO Controller • PROFINET IO Device • SIMATIC communication • Open IE communication • Web server • Media redundancy PROFINET IO Controller • Transmission rate, max. Services - PG/OP communication - Isochronous mode - IRT - PROFIenergy - Prioritized startup	Yes Yes Yes Yes Yes Yes 1 No Yes Yes Yes; Optionally also encrypted Yes No Yes; encryption with TLS V1.3 pre-selected No No No No
Interface type Isolated automatic detection of transmission rate Autonegotiation Autocrossing Interface types • RJ 45 (Ethernet) • Number of ports • integrated switch Protocols • PROFINET IO Controller • PROFINET IO Device • SIMATIC communication • Open IE communication • Open IE communication • Web server • Media redundancy PROFINET IO Controller • Transmission rate, max. Services - PG/OP communication - Isochronous mode - IRT - PROFIenergy - Prioritized startup - Number of IO devices with prioritized startup,	Yes Yes Yes Yes Yes Yes 1 No Yes Yes Yes; Optionally also encrypted Yes No Yes; encryption with TLS V1.3 pre-selected No No
Interface type Isolated automatic detection of transmission rate Autonegotiation Autocrossing Interface types • RJ 45 (Ethernet) • Number of ports • integrated switch Protocols • PROFINET IO Controller • PROFINET IO Device • SIMATIC communication • Open IE communication • Web server • Media redundancy PROFINET IO Controller • Transmission rate, max. Services - PG/OP communication - Isochronous mode - IRT - PROFIenergy - Prioritized startup - Number of IO devices with prioritized startup, max.	Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes; Optionally also encrypted Yes No 100 Mbit/s Yes; encryption with TLS V1.3 pre-selected No No No No Yes 16
Interface type Isolated automatic detection of transmission rate Autonegotiation Autocrossing Interface types • RJ 45 (Ethernet) • Number of ports • integrated switch Protocols • PROFINET IO Controller • PROFINET IO Device • SIMATIC communication • Open IE communication • Open IE communication • Web server • Media redundancy PROFINET IO Controller • Transmission rate, max. Services - PG/OP communication - Isochronous mode - IRT - PROFIenergy - Prioritized startup - Number of IO devices with prioritized startup, max. - Number of connectable IO Devices, max.	Yes Yes Yes Yes 1 No Yes Yes Yes Yes; Optionally also encrypted Yes No 100 Mbit/s Yes; encryption with TLS V1.3 pre-selected No No 100 Mbit/s 110 Mbit/s
Interface type Isolated automatic detection of transmission rate Autonegotiation Autocrossing Interface types • RJ 45 (Ethernet) • Number of ports • integrated switch Protocols • PROFINET IO Controller • PROFINET IO Device • SIMATIC communication • Open IE communication • Web server • Media redundancy PROFINET IO Controller • Transmission rate, max. Services - PG/OP communication - Isochronous mode - IRT - PROFlenergy - Prioritized startup - Number of IO devices with prioritized startup, max. - Number of connectable IO Devices, max. - Number of connectable IO Devices for RT,	Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes; Optionally also encrypted Yes No 100 Mbit/s Yes; encryption with TLS V1.3 pre-selected No No No No Yes 16
Interface type Isolated automatic detection of transmission rate Autonegotiation Autocrossing Interface types • RJ 45 (Ethernet) • Number of ports • integrated switch Protocols • PROFINET IO Controller • PROFINET IO Device • SIMATIC communication • Open IE communication • Web server • Media redundancy PROFINET IO Controller • Transmission rate, max. Services - PG/OP communication - Isochronous mode - IRT - PROFIenergy - Prioritized startup - Number of IO devices with prioritized startup, max. - Number of connectable IO Devices, max. - Number of connectable IO Devices for RT, max.	Yes Yes Yes Yes 1 No Yes Yes Yes Yes; Optionally also encrypted Yes No 100 Mbit/s Yes; encryption with TLS V1.3 pre-selected No No No No No No 16
Interface type Isolated automatic detection of transmission rate Autonegotiation Autocrossing Interface types • RJ 45 (Ethernet) • Number of ports • integrated switch Protocols • PROFINET IO Controller • PROFINET IO Device • SIMATIC communication • Open IE communication • Web server • Media redundancy PROFINET IO Controller • Transmission rate, max. Services - PG/OP communication - Isochronous mode - IRT - PROFIenergy - Prioritized startup - Number of IO devices with prioritized startup, max. - Number of connectable IO Devices, max. - Number of connectable IO Devices for RT, max. - of which in line, max.	Yes Yes Yes Yes 1 No Yes Yes Yes Yes Yes; Optionally also encrypted Yes No 100 Mbit/s Yes; encryption with TLS V1.3 pre-selected No No No No 16
Interface type Isolated automatic detection of transmission rate Autonegotiation Autocrossing Interface types • RJ 45 (Ethernet) • Number of ports • integrated switch Protocols • PROFINET IO Controller • PROFINET IO Device • SIMATIC communication • Open IE communication • Web server • Media redundancy PROFINET IO Controller • Transmission rate, max. Services - PG/OP communication - Isochronous mode - IRT - PROFIenergy - Prioritized startup - Number of IO devices with prioritized startup, max. - Number of connectable IO Devices, max. - Number of connectable IO Devices for RT, max.	Yes Yes Yes Yes 1 No Yes Yes Yes Yes; Optionally also encrypted Yes No 100 Mbit/s Yes; encryption with TLS V1.3 pre-selected No No No No No No 16

simultaneously activated/deactivated, max. — Updating time	The minimum value of the update time also depends on the communication component set for PROFINET IO, on the number of IO devices and the quantity of configured user data.			
PROFINET IO Device				
Services				
— PG/OP communication	Yes; encryption with TLS V1.3 pre-selected			
<ul> <li>— Isochronous mode</li> </ul>	No			
— IRT	No			
— PROFlenergy	Yes			
— Shared device	Yes			
<ul> <li>— Number of IO Controllers with shared device,</li> </ul>	2			
max.				
Protocols				
Supports protocol for PROFINET IO	Yes			
PROFIsafe	Yes			
PROFIBUS	Yes; CM 1243-5 (master) or CM 1242-5 (slave) required			
OPC UA	Yes; OPC UA Server			
AS-Interface	Yes; CM 1243-2 required			
Protocols (Ethernet)				
• TCP/IP	Yes			
• DHCP	No			
SNMP	Yes			
• DCP	Yes			
• LLDP	Yes			
Redundancy mode	165			
Media redundancy				
— MRP	No			
— MRPD	No			
	NO			
Open IE communication	Vec			
• TCP/IP	Yes			
— Data length, max.	8 kbyte			
• ISO-on-TCP (RFC1006)	Yes			
— Data length, max.	8 kbyte			
• UDP	Yes			
— Data length, max.	1 472 byte			
Web server				
• supported	Yes			
User-defined websites	Yes			
OPC UA				
Runtime license required	Yes; "Basic" license required			
OPC UA Server	Yes; data access (read, write, subscribe), method call, runtime license required			
— Application authentication	Available security policies: None, Basic128Rsa15, Basic256Rsa15, Basic256Sha256			
— User authentication	"anonymous" or by user name & password			
— Number of sessions, max.	10			
<ul> <li>— Number of subscriptions per session, max.</li> </ul>	5			
— Sampling interval, min.	100 ms			
— Publishing interval, min.	200 ms			
— Number of server methods, max.	20			
<ul> <li>Number of monitored items, recommended</li> </ul>	1 000			
max.				
<ul> <li>— Number of server interfaces, max.</li> </ul>	2			
<ul> <li>Number of nodes for user-defined server</li> </ul>	2 000			
interfaces, max.				
Further protocols				
MODBUS	Yes			
communication functions / header				
S7 communication				
• supported	Yes			
• as server	Yes			
• as client	Yes			
User data per job, max.	See online help (S7 communication, user data size)			
Number of connections				

PG Connections: 4 reserved / 4 max; HMI Connections: 12 reserved / 18 max; S7 Connections: 8 reserved / 14 max; Open User Connections: 8 reserved / 14 max; Web Connections: 2 reserved / 30 max; OPC UA Connections: 0 reserved / 10 max; Total Connections: 34 reserved / 64 max

Test commissioning functions				
Status/control				
Status/control variable	Yes			
Variables	inputs/outputs, bit memories, DBs, peripheral I/Os (without fail-safe), times, counters			
Forcing				
Forcing	Yes; peripheral inputs/outputs (without fail-safe)			
Diagnostic buffer				
present	Yes			
Traces				
Number of configurable Traces	2			
Memory size per trace, max.	512 kbyte			
Interrupts/diagnostics/status information				
Diagnostics indication LED				
• RUN/STOP LED	Yes			
• ERROR LED	Yes			
MAINT LED	Yes			
Integrated Functions				
Frequency measurement	Yes			
controlled positioning	Yes			
Number of position-controlled positioning axes, max.	8			
Number of positioning axes via pulse-direction interface	Up to 4 with SB 1222			
PID controller	Yes			
Number of alarm inputs	4			
Number of pulse outputs				
Limit frequency (pulse)	100 kHz			
Potential separation				
Potential separation digital inputs				
Potential separation digital inputs	No			
between the channels, in groups of	1			
Potential separation digital outputs	Vee			
<ul> <li>Potential separation digital outputs</li> <li>between the channels</li> </ul>	Yes No			
<ul> <li>between the channels, in groups of</li> </ul>	1			
EMC	1			
Interference immunity against discharge of static electricity <ul> <li>Interference immunity against discharge of static</li> </ul>	Yes			
electricity acc. to IEC 61000-4-2				
— Test voltage at air discharge	8 kV			
— Test voltage at contact discharge	6 kV			
Interference immunity to cable-borne interference  Interference immunity on supply lines acc. to IEC	Yes			
61000-4-4				
Interference immunity on signal cables acc. to IEC 61000-4-4	Yes			
Interference immunity against voltage surge				
Interference immunity on supply lines acc. to IEC 61000-4-5	Yes			
Interference immunity against conducted variable disturbance				
<ul> <li>Interference immunity against high-frequency radiation acc. to IEC 61000-4-6</li> </ul>	Yes			
Emission of radio interference acc. to EN 55 011				
Limit class A, for use in industrial areas	Yes; Group 1			
<ul> <li>Limit class B, for use in residential areas</li> </ul>	Yes; When appropriate measures are used to ensure compliance with the limits for Class B according to EN 55011			
Degree and class of protection				
IP degree of protection	IP20			
Standards, approvals, certificates				
CE mark	Yes			

	Ver			
UL approval	Yes			
	Yes Yes			
FM approval	Yes			
RCM (formerly C-TICK)				
KC approval	Yes			
Marine approval	res			
Highest safety class achievable in safety mode	PLo			
<ul> <li>Performance level according to ISO 13849-1</li> <li>SIL acc. to IEC 61508</li> </ul>	PLe SIL 3			
	SIL 3			
Ambient conditions				
Free fall				
Fall height, max.	0.3 m; five times, in product package			
Ambient temperature during operation	0.10			
• min.	0°C			
• max.	55 °C; Number of simultaneously activated inputs or outputs 4 or 3 (no adjacent points) at 60 °C horizontal or 50 °C vertical, 8 or 6 at 55 °C horizontal or 45 °C vertical			
<ul> <li>horizontal installation, min.</li> </ul>	0 °C			
<ul> <li>horizontal installation, max.</li> </ul>	55 °C			
<ul> <li>vertical installation, min.</li> </ul>	D° 0			
<ul> <li>vertical installation, max.</li> </ul>	45 °C			
Ambient temperature during storage/transportation				
● min.	-40 °C			
● max.	70 °C			
Air pressure acc. to IEC 60068-2-13				
• Operation, min.	795 hPa			
<ul> <li>Operation, max.</li> </ul>	1 080 hPa			
<ul> <li>Storage/transport, min.</li> </ul>	660 hPa			
<ul> <li>Storage/transport, max.</li> </ul>	1 080 hPa			
Altitude during operation relating to sea level				
<ul> <li>Installation altitude, min.</li> </ul>	-1 000 m			
<ul> <li>Installation altitude, max.</li> </ul>	5 000 m; Restrictions for installation altitudes > 2 000 m, see manual			
Relative humidity				
• Operation, max.	95 %; no condensation			
Vibrations				
Vibration resistance during operation acc. to IEC 60068-2-6	2 g (m/s <sup>2</sup> ) wall mounting, 1 g (m/s <sup>2</sup> ) DIN rail			
Operation, tested according to IEC 60068-2-6	Yes			
<ul> <li>Shock testing</li> <li>tested according to IEC 60068-2-27</li> </ul>	Voc: IEC 69, Dart 2 27 half size: strength of the sheek 15 g (peak			
	Yes; IEC 68, Part 2-27 half-sine: strength of the shock 15 g (peak value), duration 11 ms			
Pollutant concentrations				
<ul> <li>SO2 at RH &lt; 60% without condensation</li> </ul>	S02: < 0.5 ppm; H2S: < 0.1 ppm; RH < 60% condensation-free			
configuration / header				
configuration / programming / header				
Programming language				
— LAD	Yes; incl. failsafe			
— FBD	Yes; incl. failsafe			
— SCL				
	Yes			
	res			
Know-how protection	Yes			
Know-how protection • User program protection/password protection				
Know-how protection • User program protection/password protection • Copy protection	Yes			
Know-how protection • User program protection/password protection	Yes Yes			
Know-how protection • User program protection/password protection • Copy protection • Block protection Access protection	Yes Yes			
Know-how protection • User program protection/password protection • Copy protection • Block protection	Yes Yes Yes			
Know-how protection         • User program protection/password protection         • Copy protection         • Block protection         Access protection         • protection of confidential configuration data	Yes Yes Yes			
Know-how protection         • User program protection/password protection         • Copy protection         • Block protection         Access protection         • protection of confidential configuration data         • Protection level: Write protection         • Protection level: Read/write protection	Yes Yes Yes Yes Yes			
Know-how protection         • User program protection/password protection         • Copy protection         • Block protection         Access protection         • protection of confidential configuration data         • Protection level: Write protection	Yes Yes Yes Yes Yes Yes			
Know-how protection         • User program protection/password protection         • Copy protection         • Block protection         • Block protection         • Access protection         • protection of confidential configuration data         • Protection level: Write protection         • Protection level: Read/write protection         • Protection level: Complete protection	Yes Yes Yes Yes Yes Yes			
Know-how protection         • User program protection/password protection         • Copy protection         • Block protection         • Protection of confidential configuration data         • Protection level: Write protection         • Protection level: Read/write protection         • Protection level: Complete protection         • Programming / cycle time monitoring / header         • adjustable	Yes Yes Yes Yes Yes Yes Yes			
Know-how protection         • User program protection/password protection         • Copy protection         • Block protection         • Block protection         • Protection of confidential configuration data         • Protection level: Write protection         • Protection level: Read/write protection         • Protection level: Complete protection         • Protection level: Complete protection         • adjustable         Dimensions	Yes Yes Yes Yes Yes Yes Yes			
Know-how protection         • User program protection/password protection         • Copy protection         • Block protection         • Block protection         • Protection of confidential configuration data         • Protection level: Write protection         • Protection level: Read/write protection         • Protection level: Complete protection         • Protection level: Complete protection         • Programming / cycle time monitoring / header         • adjustable         Dimensions         Width	Yes Yes Yes Yes Yes Yes Yes Yes			
Know-how protection         • User program protection/password protection         • Copy protection         • Block protection         • Block protection         • Protection of confidential configuration data         • Protection level: Write protection         • Protection level: Read/write protection         • Protection level: Complete protection         • Protection level: Complete protection         • adjustable         Dimensions	Yes Yes Yes Yes Yes Yes Yes			

L.A.	T					
L. 1.	11	[ 4 ]		l n	h	-1
	U	5	21	uL		2.1

Weight, approx.

last modified:

370 g

7/19/2022 🖸