## **SIEMENS**

## **Data sheet**

6ES7214-1AF40-0XB0



SIMATIC S7-1200F, CPU 1214 FC, compact CPU, DC/DC/DC, onboard I/O: 14 DI 24 V DC; 10 DO 24 V DC; 2 AI 0-10 V DC, Power supply: DC 20.4-28.8V DC, Program/data memory 125 KB

Product type designation CPU 1214FC DC/DC/DC Firmware version V4.5 Engineering with  • Programming package  Stupply voltage  Rated value (DC)  • 24 V DC  permissible range, lower limit (DC) 20.4 V  permissible range, upper limit (DC) 28.8 V  Reverse polarity protection Yes  Load voltage L+  • Rated value (DC)  • permissible range, lower limit (DC) 20.4 V  permissible range, upper limit (DC) 24.4 V  • permissible range, lower limit (DC) 20.4 V  • permissible range, lower limit (DC) 20.4 V  • permissible range, upper limit (DC) 20.5 V  • politic value valu	General information	
Engineering with  Programming package  STEP 7 V17 or higher  Supply voltage  Rated value (DC)  Permissible range, lower limit (DC)  Permissible range, upper limit (DC)  Pesson May CPU only  Pour with all expansion modules  Permissible range, upper limit (DC)  Person May CPU only  Permissible range, upper limit (DC)  Permissible range, upper limit (DC)  Person May CPU only  Permissible range, upper limit (DC)  Person May CPU only  Permissible range, upper limit (DC)  Person May CPU only  Permissible range, upper limit (DC)  Permissible range, upper limit (DC)  Person May CPU only  Permissible range, upper limit (DC)  Person May CPU only  Permissible range, upper limit (DC)  Permissible range, upper limit (DC)  Person May CPU only  Permissible range, upper limit (DC)  Permissible range, upper limit (DC)  Permissible range, upper limit (DC)  Person May CPU only  Permissible range, upper limit (DC)  Permissible range, upper li	Product type designation	CPU 1214FC DC/DC/DC
Programming package  Supply voltage  Rated value (DC)	Firmware version	V4.5
Rated value (DC)  • 24 V DC  permissible range, lower limit (DC)  permissible range, upper limit (DC)  Reverse polarity protection  Rated value (DC)  • permissible range, power limit (DC)  Reverse polarity protection  Permissible range, upper limit (DC)  • permissible range, lower limit (DC)  • permissible range, lower limit (DC)  • permissible range, power limit (DC)  • permissible range, polarity limit (DC)  • permissible range, power limit (DC)  • permissible range, permissible ran	Engineering with	
Rated value (DC)	<ul> <li>Programming package</li> </ul>	STEP 7 V17 or higher
• 24 V DC         Yes           permissible range, lower limit (DC)         20.4 V           Reverse polarity protection         Yes           Load voltage L+         • Rated value (DC)         24 V           • permissible range, lower limit (DC)         20.4 V           • permissible range, upper limit (DC)         28.8 V           Input current         20.4 V           Current consumption (rated value)         500 mA; CPU only           Current consumption, max.         1 500 mA; CPU with all expansion modules           Inrush current, max.         12 A; at 28.8 V           IPt         0.5 A²-s           Output current         0.5 A²-s           Output current         1 600 mA; Max. 5 V DC for SM and CM           Encoder supply         24 V           24 V encoder supply         1 2 W           • Very loss, typ.         12 W           Memory         Work memory           • integrated         1 25 kbyte           • expandable         No           Load memory         • integrated         4 Mbyte           • plug-in (SIMATIC Memory Card), max.         with SIMATIC memory card           • present         Yes           • maintenance-free         Yes	Supply voltage	
permissible range, lower limit (DC)  permissible range, upper limit (DC)  Reverse polarity protection  Reverse polarity protection  Permissible range, lower limit (DC)  permissible range, upper li	Rated value (DC)	
permissible range, upper limit (DC)  Reverse polarity protection  Load voltage L+  • Rated value (DC) • permissible range, lower limit (DC) • permissible range, upper limit (DC)  • permissible range, upper limit (DC)	• 24 V DC	Yes
Reverse polarity protection  Load voltage L+  • Rated value (DC) • permissible range, lower limit (DC) • permissible range, upper limit (DC) 28.8 V  Input current  Current consumption (rated value)  Current consumption, max. 1 500 mA; CPU only  Current consumption, max. 1 500 mA; CPU with all expansion modules  Inrush current, max. 1 2 A; at 28.8 V  Pt  Output current  for backplane bus (5 V DC), max. 1 600 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. 12 W  Memory  Work memory  • integrated • expandable No  Load memory  • integrated • expandable No  Load memory  • integrated • expandable No  Load memory • integrated • expandable No  Load memory • integrated • expandable No  Load memory • integrated • expandable No  Load memory • integrated • expandable No  Load memory • integrated • expandable No  Load memory • integrated • expandable No  Load memory • integrated • expandable No  Load memory • integrated • expandable No  Load memory • integrated • expandable No  Load memory • present • yes  • present • yes	permissible range, lower limit (DC)	20.4 V
Load voltage L+  Rated value (DC)  permissible range, lower limit (DC) permissible range, upper limit (DC) permissible range, upper limit (DC)  permissible range, upper limit (DC)  28.8 V  Input current  Current consumption (rated value)  Current consumption, max. 1 500 mA; CPU only  Current consumption, max. 1 1 500 mA; CPU with all expansion modules  Inrush current, max. 1 2 A; at 28.8 V  Output current  for backplane bus (5 V DC), max. 1 600 mA; Max. 5 V DC for SM and CM  Encoder supply 24 V encoder supply 24 V encoder supply 24 V becoder supply 12 W  Power loss  Power loss, typ. 12 W  Memory  Work memory integrated expandable No  Load memory  integrated expandable No	permissible range, upper limit (DC)	28.8 V
Rated value (DC)  permissible range, lower limit (DC)  permissible range, upper limit (DC)  permissible range, upper limit (DC)  28.8 V	Reverse polarity protection	Yes
permissible range, lower limit (DC)     permissible range, upper limit (DC)     28.8 V    Input current   Current consumption (rated value)   500 mA; CPU only	Load voltage L+	
permissible range, upper limit (DC)  Input current  Current consumption (rated value)  Current consumption, max.  1 500 mA; CPU with all expansion modules  Inrush current, max.  12 A; at 28.8 V  Pt  Output current  for backplane bus (5 V DC), max.  I 600 mA; Max. 5 V DC for SM and CM  Encoder supply  24 V encoder supply  24 V encoder supply  • 24 V  L+ minus 4 V DC min.  Power loss  Power loss, typ.  12 W  Memory  Work memory  • integrated • expandable  Load memory  • integrated • Plug-in (SIMATIC Memory Card), max.  Backup • present • present • present • maintenance-free  Yes	<ul> <li>Rated value (DC)</li> </ul>	24 V
Input current Current consumption (rated value)  Current consumption, max.  Insus current, max.  Insus current, max.  Insus current  for backplane bus (5 V DC), max.  Insus current  Insu	<ul> <li>permissible range, lower limit (DC)</li> </ul>	20.4 V
Current consumption (rated value)  Current consumption, max.  Intush current, max.  It is a 28.8 V  It is a 28.8 V  Output current  for backplane bus (5 V DC), max.  Intush current  Intush current  Intush current  Intush current  Intush current  Intush current, max.  It is a 28.8 V  It is a 28.8 V  Output current  Intush current  Intush current  Intush current, max.  Intush current  Intush curre	<ul> <li>permissible range, upper limit (DC)</li> </ul>	28.8 V
Current consumption, max.  Inrush current, max.  It and a street to be a street t	Input current	
Inrush current, max.  I²t 0.5 A²s  Output current  for backplane bus (5 V DC), max.  I 600 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.  12 W  Memory  Work memory  • integrated • expandable Load memory  • integrated • Plug-in (SIMATIC Memory Card), max.  Backup • present	Current consumption (rated value)	500 mA; CPU only
I²t 0.5 A²·s  Output current  for backplane bus (5 V DC), max. 1 600 mA; Max. 5 V DC for SM and CM  Encoder supply  24 V encoder supply  • 24 V	Current consumption, max.	1 500 mA; CPU with all expansion modules
Output current   for backplane bus (5 V DC), max. 1 600 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. 12 W   Memory   Work memory • integrated 125 kbyte   • expandable No   Load memory • integrated 4 Mbyte   • Plug-in (SIMATIC Memory Card), max. with SIMATIC memory card   Backup • present Yes   • maintenance-free Yes	Inrush current, max.	12 A; at 28.8 V
for backplane bus (5 V DC), max.  1 600 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.  12 W  Memory  Work memory  • integrated • expandable  No  Load memory  • integrated • Plug-in (SIMATIC Memory Card), max.  Backup  • present • present • maintenance-free  Yes	l²t	0.5 A²·s
Encoder supply  24 V encoder supply  24 V	Output current	
24 V encoder supply  • 24 V  L+ minus 4 V DC min.  Power loss  Power loss, typ.  12 W  Memory  Work memory  • integrated • expandable  No  Load memory  • integrated • Plug-in (SIMATIC Memory Card), max.  Backup  • present • maintenance-free  Yes	for backplane bus (5 V DC), max.	1 600 mA; Max. 5 V DC for SM and CM
L+ minus 4 V DC min.  Power loss  Power loss, typ.  12 W  Memory  Work memory  integrated  expandable  No  Load memory  integrated  Plug-in (SIMATIC Memory Card), max.  Backup  present  maintenance-free  Ves	Encoder supply	
Power loss Power loss, typ.  Memory  Work memory  integrated expandable No  Load memory  integrated Plug-in (SIMATIC Memory Card), max.  Backup present maintenance-free  12 W  Memory  125 kbyte No  125 kbyte No  4 Mbyte No  4 Mbyte With SIMATIC memory card  Yes	24 V encoder supply	
Power loss, typ.  Memory  Work memory  integrated expandable  Load memory  integrated Flug-in (SIMATIC Memory Card), max.  Backup  present maintenance-free  125 kbyte No  4 Mbyte kinetic Memory Card With SIMATIC memory card  Yes Yes	• 24 V	L+ minus 4 V DC min.
Memory  Work memory  integrated 125 kbyte expandable No  Load memory integrated 4 Mbyte Plug-in (SIMATIC Memory Card), max. with SIMATIC memory card  Backup  present Yes maintenance-free Yes	Power loss	
Work memory  integrated  expandable  No  Load memory  integrated  Plug-in (SIMATIC Memory Card), max.  Backup  present  maintenance-free  Yes	Power loss, typ.	12 W
<ul> <li>integrated</li> <li>expandable</li> <li>No</li> </ul> Load memory <ul> <li>integrated</li> <li>Plug-in (SIMATIC Memory Card), max.</li> <li>Backup</li> <li>present</li> <li>maintenance-free</li> </ul> Yes <ul> <li>Yes</li> </ul>	Memory	
<ul> <li>expandable</li> <li>Load memory</li> <li>integrated</li> <li>Plug-in (SIMATIC Memory Card), max.</li> <li>Backup</li> <li>present</li> <li>maintenance-free</li> <li>No</li> <li>4 Mbyte</li> <li>with SIMATIC memory card</li> <li>Yes</li> </ul>	Work memory	
Load memory  • integrated  • Plug-in (SIMATIC Memory Card), max. with SIMATIC memory card  Backup  • present  • maintenance-free  Yes	<ul><li>integrated</li></ul>	125 kbyte
<ul> <li>integrated</li> <li>Plug-in (SIMATIC Memory Card), max.</li> <li>with SIMATIC memory card</li> <li>Backup</li> <li>present</li> <li>maintenance-free</li> <li>Yes</li> <li>Yes</li> </ul>	expandable	No
<ul> <li>Plug-in (SIMATIC Memory Card), max.</li> <li>Backup</li> <li>present</li> <li>maintenance-free</li> <li>Yes</li> <li>Yes</li> </ul>	Load memory	
Backup  • present  • maintenance-free  Yes  Yes	<ul><li>integrated</li></ul>	4 Mbyte
<ul> <li>present</li> <li>maintenance-free</li> <li>Yes</li> </ul>	<ul> <li>Plug-in (SIMATIC Memory Card), max.</li> </ul>	with SIMATIC memory card
• maintenance-free Yes	Backup	
	<ul><li>present</li></ul>	Yes
• without battery Yes	<ul> <li>maintenance-free</li> </ul>	Yes
	<ul><li>without battery</li></ul>	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	
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.	8 kbyte; Size of bit memory address area
Local data	
<ul><li>per priority class, max.</li></ul>	16 kbyte; Priority class 1 (program cycle): 16 KB, priority class 2 to 26: 6 KB
Address area	
Process image	
<ul> <li>Inputs, adjustable</li> </ul>	1 kbyte
<ul> <li>Outputs, adjustable</li> </ul>	1 kbyte
Hardware configuration	
Number of modules per system, max.	3 comm. modules, 1 signal board, 8 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	14; Integrated
of which inputs usable for technological functions	6; HSC (High Speed Counting)
Source/sink input	Yes
Number of simultaneously controllable inputs	
all mounting positions	
— up to 40 °C, max.	14
Input voltage	
Rated value (DC)	24 V
• for signal "0"	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
F	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	
• shielded, max.	500 m; 50 m for technological functions
<ul><li>unshielded, max.</li></ul>	300 m; for technological functions: No
Digital outputs	
Number of digital outputs	10
of which high-speed outputs	4; 100 kHz Pulse Train Output
Limitation of inductive shutdown voltage to	L+ (-48 V)
Switching capacity of the outputs	
with resistive load, max.	0.5 A
• on lamp load, max.	5 W
<u> </u>	

Output voltage	0.4 \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
• for signal "0", max.	0.1 V; with 10 kOhm load
• for signal "1", min.	20 V
Output current	
• for signal "1" rated value	0.5 A
for signal "0" residual current, max.	0.1 mA
Output delay with resistive load	
• "0" to "1", max.	1 µs
• "1" to "0", max.	5 μs
Switching frequency	400 1415
of the pulse outputs, with resistive load, max.	100 kHz
Relay outputs	
Number of relay outputs  Cable langth	0
Cable length	500
• shielded, max.	500 m
• unshielded, max.	150 m
Analog inputs	
Number of analog inputs	2
Input ranges	Y.
• Voltage	Yes
Input ranges (rated values), voltages	Y.
• 0 to +10 V	Yes
— Input resistance (0 to 10 V)	≥100k ohms
Cable length	400 4 14 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
• shielded, max.	100 m; twisted and shielded
Analog outputs	
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
Conversion time (per channel)	625 µs
Encoder	
Connectable encoders	
• 2-wire sensor	Yes
1. Interface	
Interface type	PROFINET
Isolated	Yes
automatic detection of transmission rate	Yes
Autonegotiation	Yes
Autocrossing	Yes
Interface types	
RJ 45 (Ethernet)	Yes
<ul> <li>Number of ports</li> </ul>	1
integrated switch	No
Protocols	
PROFINET IO Controller	Yes
PROFINET IO Device	Yes
<ul> <li>SIMATIC communication</li> </ul>	Yes
Open IE communication	Yes; Optionally also encrypted
Web server	Yes
Media redundancy	No
PROFINET IO Controller	
Transmission rate, max.	100 Mbit/s
Services	
— PG/OP communication	Yes; encryption with TLS V1.3 pre-selected
— Isochronous mode	No
— IRT	No
— PROFlenergy	No

<b></b>	
— Prioritized startup	Yes
<ul> <li>Number of IO devices with prioritized startup,</li> </ul>	16
Max.	46
Number of connectable IO Devices, max.	16
<ul> <li>Number of connectable IO Devices for RT, max.</li> </ul>	16
— of which in line, max.	16
<ul> <li>Activation/deactivation of IO Devices</li> </ul>	Yes
<ul> <li>Number of IO Devices that can be simultaneously activated/deactivated, max.</li> </ul>	8
— 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
— Isochronous mode	No
— IRT	No
— PROFlenergy	Yes
— Shared device	Yes
Number of IO Controllers with shared device.	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
Open IE communication	163
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
<ul> <li>Application authentication</li> </ul>	Available security policies: None, Basic128Rsa15, Basic256Rsa15, Basic256Sha256
<ul> <li>User authentication</li> </ul>	"anonymous" or by user name & password
<ul> <li>Number of sessions, max.</li> </ul>	10
<ul> <li>Number of subscriptions per session, max.</li> </ul>	50
— Sampling interval, min.	100 ms
— Publishing interval, min.	200 ms
Number of server methods, max.	20
Number of monitored items, max.	1 000
Number of monitored items, max.      Number of server interfaces, max.	2
Number of server interfaces, max.      Number of nodes for user-defined server	2 000
interfaces, max.	2 000
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	
• overall	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	
<ul> <li>Status/control variable</li> </ul>	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	4; With integrated outputs
PID controller	Yes
Number of alarm inputs	4
Number of pulse outputs	4
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	
	Voc
<ul> <li>Potential separation digital outputs</li> <li>between the channels</li> </ul>	Yes
	No 1
between the channels, in groups of	1
EMC	
Interference immunity against discharge of static electricity  • Interference immunity against discharge of static	Yes
electricity acc. to IEC 61000-4-2	0 107
Test voltage at air discharge  Test voltage at contact discharge.	8 kV
— Test voltage at contact discharge	6 kV
Interference immunity to cable-borne interference	V
<ul> <li>Interference immunity on supply lines acc. to IEC 61000-4-4</li> </ul>	Yes
Interference immunity on signal cables acc. to IEC 61000-4-4	Yes
Interference immunity against voltage surge	
<ul> <li>Interference immunity on supply lines acc. to IEC 61000-4-5</li> </ul>	Yes
Interference immunity against conducted variable disturbance	e induced by high-frequency fields

<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	
<ul> <li>Limit class A, for use in industrial areas</li> </ul>	Yes; Group 1
• Limit class B, for use in residential areas	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
UL approval	Yes
cULus	Yes
FM approval	Yes
RCM (formerly C-TICK)	Yes
KC approval	Yes
Marine approval	Yes
Highest safety class achievable in safety mode	
Performance level according to ISO 13849-1	PLe
SIL acc. to IEC 61508	SIL 3
Ambient conditions	
Free fall	
• Fall height, max.	0.3 m; five times, in product package
Ambient temperature during operation	
• 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
horizontal installation, max.	55 °C
<ul> <li>vertical installation, min.</li> </ul>	0 °C
<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	
Installation altitude, min.	-1 000 m
Installation altitude, max.	5 000 m; Restrictions for installation altitudes > 2 000 m, see manual
Relative humidity	
Operation, max.	95 %; no condensation
Vibrations	
<ul> <li>Vibration resistance during operation acc. to IEC 60068-2-6</li> </ul>	2 g (m/s²) wall mounting, 1 g (m/s²) DIN rail
Operation, tested according to IEC 60068-2-6	Yes
Shock testing	
• tested according to IEC 60068-2-27	Yes; IEC 68, Part 2-27 half-sine: strength of the shock 15 g (peak value), duration 11 ms
Pollutant concentrations	000 .05
SO2 at RH < 60% without condensation	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
Know-how protection	
<ul> <li>User program protection/password protection</li> </ul>	Yes

<ul> <li>Copy protection</li> </ul>	Yes	
Block protection	Yes	
Access protection		
<ul> <li>protection of confidential configuration data</li> </ul>	Yes	
<ul> <li>Protection level: Write protection</li> </ul>	Yes	
<ul> <li>Protection level: Read/write protection</li> </ul>	Yes	
<ul> <li>Protection level: Complete protection</li> </ul>	Yes	
programming / cycle time monitoring / header		
<ul> <li>adjustable</li> </ul>	Yes	
Dimensions		
Width	110 mm	
Height	100 mm	
Depth	75 mm	
Weights		
Weight, approx.	415 g	

last modified: 4/1/2022 🖸