SIEMENS

Data sheet

6ES7211-1BE40-0XB0



SIMATIC S7-1200, CPU 1211C, COMPACT CPU, AC/DC/RELAY, ONBOARD I/O: 6 DI 24V DC; 4 DO RELAY 2A; 2 AI 0 - 10V DC, POWER SUPPLY: AC 85 - 264 V AC AT 47 - 63 HZ, PROGRAM/DATA MEMORY: 30 KB

General information	
Engineering with	
 Programming package 	STEP 7 V13 SP1 or higher
Diselar	
Display	No
with display	NO
Supply voltage	
Rated value (AC)	
• 120 V AC	Yes
• 230 V AC	Yes
permissible range, lower limit (AC)	85 V
permissible range, upper limit (AC)	264 V
Line frequency	
 permissible frequency range, lower limit 	47 Hz
 permissible frequency range, upper limit 	63 Hz
Input current	
Current consumption (rated value)	60 mA at 120 V AC; 30 mA at 240 V AC
Current consumption, max.	180 mA at 120 V AC; 90 mA at 240 V AC
Inrush current, max.	20 A; at 264 V
Output current	
Current output to backplane bus (DC 5 V), max.	750 mA
Power losses	
Power loss, typ.	10 W
· 21	
Memory	

Type of memory	EEPROM
Work memory	
Integrated	50 kbyte
• expandable	No
Load memory	
Integrated	1 Mbyte
 Plug-in (SIMATIC Memory Card), max. 	with SIMATIC memory card
Backup	·
• present	Yes; maintenance-free
 without battery 	Yes
CPU processing times	
for bit operations, typ.	0.085 μs; / instruction
for word operations, typ.	1.7 μs; / instruction
for floating point arithmetic, typ.	2.5 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 in total (incl. times, counters,	10 kbyte
flags), max.	
Flag	
• Number, max.	4 kbyte; Size of bit memory address area
Process image	
 Inputs, adjustable 	1 kbyte
 Outputs, adjustable 	1 kbyte
Hardware configuration	
Number of modules per system, max.	3 communication modules, 1 signal board
Time of day	
Clock	Vec
Hardware clock (real-time clock)	Yes
 Deviation per day, max. 	+/- 60 s/month at 25 °C
Backup time	480 h; Typical
Digital inputs	
Number of digital inputs	6; Integrated
 of which, inputs usable for technological 	3; HSC (High Speed Counting)
functions	
integrated channels (DI)	6

Number of simultaneously controllable inputs	
all mounting positions	
— up to 40 °C, max.	6
Input voltage	
 Rated value (DC) 	24 V
● for signal "0"	5 V DC at 1 mA
● for signal "1"	15 VDC at 2.5 mA
Input current	
● for signal "1", typ.	1 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 counter/technological functions	
— Parameterizable	Yes; Single phase : 3 at 100 kHz & 3 at 30 kHz, differential: 3 at 80 kHz & 3 at 30 kHz
Cable length	
 shielded, max. 	500 m; 50 m for technological functions
Unshielded, max.	300 m; For technological functions: No
Digital outputs	
Number of digital outputs	4; Relays
integrated channels (DO)	4
short-circuit protection	No; to be provided externally
Switching capacity of the outputs	
 with resistive load, max. 	2 A
 on lamp load, max. 	30 W with DC, 200 W with AC
Output delay with resistive load	
• "0" to "1", max.	10 ms; max.
• "1" to "0", max.	10 ms; max.
Switching frequency	
 of the pulse outputs, with resistive load, max. 	1 Hz
Relay outputs	
 Number of relay outputs, integrated 	4
 Number of relay outputs 	4
 Number of operating cycles, max. 	mechanically 10 million, at rated load voltage 100,000
Cable length	
• shielded, max.	500 m
• Unshielded, max.	150 m

Analog inputs	
Number of analog inputs	2
Integrated channels (AI)	2; 0 to 10 V
Input ranges	
Voltage	Yes
Input ranges (rated values), voltages	
• 0 to +10 V	Yes
 Input resistance (0 to 10 V) 	≥100k ohms
Cable length	
• shielded, max.	100 m; twisted and shielded
Analog value creation	
Integration and conversion time/resolution per channel	
 Resolution with overrange (bit including sign), max. 	10 bit
 Integration time, parameterizable 	Yes
Conversion time (per channel)	625 µs
Encoder	
Connectable encoders	
• 2-wire sensor	Yes
1st interface	
Interface type	PROFINET
Physics	Ethernet
Isolated	Yes
Automatic detection of transmission speed	Yes
Autonegotiation	Yes
Autocrossing	Yes
Functionality	
PROFINET IO Device	Yes
 PROFINET IO Controller 	Yes
PROFINET IO Controller	
 Transmission rate, max. 	100 Mbit/s
 Number of connectable IO devices, max. 	16
Prioritized startup	
— Number of IO Devices, max.	16
PROFINET IO Device	
Services	
— Shared device	Yes
 — Number of IO controllers with shared device, max. 	2
Communication functions	
S7 communication	

between different circuits	500 V DC between 24 V DC and 5 V DC
Permissible potential difference	
 between the channels, in groups of 	1
 between the channels 	No
 Galvanic isolation digital outputs 	Relays
Galvanic isolation digital outputs	
• between the channels, in groups of	1
 Galvanic isolation digital inputs 	500V AC for 1 minute
Galvanic isolation digital inputs	
Galvanic isolation	
Number of alarm inputs	4
PID controller	Yes
controlled positioning	Yes
Frequency meter	Yes
Counter frequency (counter) max.	100 kHz
Number of counters	3
Integrated Functions	
Number of configurable Traces	2; Up to 512 KB of data per trace are possible
Traces	
present	Yes
Diagnostic buffer	
• Forcing	Yes
Forcing	counters
Variables	Inputs/outputs, memory bits, DBs, distributed I/Os, timers,
Status/control variable	Yes
Status/control	
Test commissioning functions	
- overall	
• overall	16; dynamically
User-defined websites Number of connections	
supported	Yes
Web server	Yes
• UDP	
ISO-on-TCP (RFC1006)	Yes
	Yes
• TCP/IP	Yes
As client Open IE communication	
• as server	Yes
• supported	Yes
	Yes

Interference immunity against discharge of static electricity	EMC	
static electricity acc. to IEC 61000-4-28 kV- Test voltage at air discharge8 kV- Test voltage at contact discharge8 kVInterference immunity on supply lines acc. to IEC 61000-4-4Yes- Interference immunity on supply lines acc. to IEC 61000-4-4YesSurge immunity on the supply lines acc. to IEC 61000-4-5Yes- Interference immunity against high-frequency radiation acc. to IEC 61000-4-5Yes- Interference immunity against high-frequency radiation acc. to IEC 61000-4-6Yes- Interference inmunity against high-frequency radiation acc. to IEC 61000-4-8Yes- Linit class A, for use in industrial areasYes; Group 1- Linit class A, for use in industrial areasYes; When appropriate measures are used to ensure compliance with the limits for Class B according to EN 55011Degree and class of protectionYesDegree of protection to EN 60529 • IP20Yes- Linit class A, for use in residential areasYesCE markYesUL approval cultusYesOut approval cultusYesCE markYesVesYesRef (formerly C-TICK)YesFree fallO 3 m: five times, in dispatch packageAntient exproval ture approval3 m: five times, in dispatch packageAntient expresture in operation-20 °CAntient expresture in operation-20 °C- Interference installation, min20 °C- Interference installation, min20 °C- Interference install	Interference immunity against discharge of static electr	icity
- Test voltage at contact discharge 6 kV Interference immunity to cable-borne interference Yes • Interference immunity on supply lines acc. to IEC 61000-4-4 Yes • Interference immunity on signal lines acc. to IEC 61000-4-4 Yes • on the supply lines acc. to IEC 61000-4-5 Yes • on the supply lines acc. to IEC 61000-4-5 Yes • Interference immunity against high-frequency radiation acc. to IEC 61000-4-6 Yes • Interference immunity against high-frequency radiation acc. to IEC 61000-4-6 Yes • Interference inmunity against high-frequency radiation acc. to IEC 61000-4-6 Yes • Initi class A, for use in industrial areas 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 of protection to EN 60529 • IP20 Yes • IP20 Yes CE mark Yes QL approval Yes RCM (formerly C-TICK) Yes FM approval Yes • Marine approval Yes • Marine approval 0'ar, five times, in dispatch package Ambient conditions		Yes
Interference immunity to able-borne inferference interference immunity on signal lines acc. to IEC 6100-4-4 Surge immunity interference immunity on signal lines acc. to IEC 6100-4-4 Surge immunity interference immunity on signal lines acc. to IEC 6100-4-4 Surge immunity interference immunity against high-frequency fields interference interference acc. to EN 55 011 Degree and class of protection to EN 60529 iP20 Yes Standards, approvals, certificates Ves Standards, approval Ves Standards, appr	— Test voltage at air discharge	8 kV
• Interference immunity on signal lines acc. to EC 61000-44 Yes • Interference immunity on signal lines acc. to EC 61000-44 Yes Surge immunity • on the supply lines acc. to EC 61000-4-5 Yes • Interference immunity against high-frequency radiation acc. to EC 61000-4-6 Yes • Interference immunity against high-frequency radiation acc. to EC 61000-4-6 Yes • Interference immunity against high-frequency radiation acc. to EC 61000-4-6 Yes • Emission of radio interference acc. to EN 55 011 Ves • Limit class A, for use in industrial areas ves: When appropriate measures are used to ensure compliance with the limits for Class B according to EN 55011 Degree and class of protection vestor Yes Out approval Yes • IP20 Yes Standards, approvals, certificates Yes CE mark Yes UL approval Yes Out of the approval Yes RCM (formerly C-TICK) Yes FM approval Yes Marine approval Yes Anbient temperature in operation 0.3 m; five times, in dispatch package Ambient temperature in operation -20 °C • horizontal installation, min. -20 °C • horizontal installation, min. -20 °C • horizontal installation, min. -20 °C </td <td> — Test voltage at contact discharge </td> <td>6 kV</td>	 — Test voltage at contact discharge 	6 kV
IEC 61000-4-4 Interference immunity on signal lines acc. to Yes EC 61000-4-4 Yes Surge immunity Immunity against conducted interference induced by high-frequency fields Yes Immunity against conducted interference induced by high-frequency fields Yes Interference immunity against high-frequency radiation acc. to IEC 61000-4-6 Yes Emission of radio interference acc. to EN 55 011 Yes e. Limit class A, for use in industrial areas Yes; Group 1 e. Limit class A, 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 Emission of radio interference acc. Yes Degree of protection to EN 60529 Yes e iP20 Yes CE mark Yes UL approval Yes CULus Yes RCM (formerly C-TICK) Yes FM approval Yes Marine approval Yes Marine approval Yes Free fall OC C ortop height, max. (in packaging) 0.3 m; five times, in dispatch package Ambient temperature in operation 20 °C	Interference immunity to cable-borne interference	
IEC 61000-4-4 Immunity Surge immunity Yes Immunity against conducted interference induced by hipt-frequency fields Yes Interference immunity against high-frequency radiation acc. to IEC 61000-4-5 Yes Emission of radio interference acc. to EN 55 011 Yes Emission of radio interference acc. to EN 55 011 Yes; Group 1 Limit class A, for use in industrial 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 Yes CE mark Yes UL approvals, certificates Yes CE mark Yes Quus Yes RCM (formerly C-TICK) Yes FM approval Yes FM approval Yes Marine approval Yes Protections Standards, approval FM approval Yes Marine approval Yes FM approval Yes Ambient conditions 0.3 m; five times, in dispatch package Ambient temperature in operation -20 °C max, 60 °C nmax, 60 °C <tr< td=""><td></td><td>Yes</td></tr<>		Yes
• on the supply lines acc. to IEC 61000-4-5 Yes Immunity against conducted interference induced by high-frequency fields Yes • Interference immunity against high-frequency radiation acc. to IEC 61000-4-6 Yes Emission of radio interference acc. to EN 55 011 Yes: Group 1 • Limit class A, for use in industrial 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 Yes Degree of protection to EN 60529 Yes • IP20 Yes Standards, approvals, certificates Yes CE mark Yes UL approval Yes GULus Yes FM approval Yes Marine approval Yes Marine approval Yes Ambient conditions Yes Free fall - • Drop height, max. (in packaging) 0.3 m; five times, in dispatch package Ambient temperature in operation - • Min. -20 °C • horizontal installation, min. -20 °C • horizontal installation, min. -20 °C		Yes
Immunity against, under date interference induced by high-frequency fields Interference immunity against high-frequency radiation acc. to IEC 61000-4-6 Emission of radio interference acc. to EN 55 011 Immunity against high-frequency radiation acc. to IEC 61000-4-6 Emission of radio interference acc. to EN 55 011 Immunity against high-frequency radiation acc. to EN 55 011 Emission of radio interference acc. to EN 55 011 Immunity against high-frequency radiation acc. to IEC 61000-4-6 Emission of radio interference acc. to EN 55 011 Immunity against high-frequency radiation acc. to IEC 61000-4-6 Emission of radio interference acc. to EN 55 011 Util approval Yes; Group 1 Vers Yes Degree of protection to EN 60529 Yes II-20 Yes CE mark Yes UL approval Yes cULus Yes RCM (formerly C-TICK) Yes FM approval Yes Marine approval Yes Ambient conditions Yes Free fall 0.3 m; five times, in dispatch package Ambient temperature in operation 20 °C Min. 20 °C h	Surge immunity	
Interference immunity against high-frequency radiation acc. to IEC 61000-4-6 Yes Emission of radio interference acc. to EN 55 011 Image: Comparison of radio interference acc. to EN 55 011 Imit class A, for use in industrial areas Immunication to EN 60529 Yes; When appropriate measures are used to ensure compliance with the limits for Class B according to EN 55011 Degree and class of protection Person of protection to EN 60529 Immunication interference Yes Standards, approvals, certificates Yes CE mark Yes UL approval cultus Yes RCM (formerly C-TICK) Yes FM approval Yes Marine approval Yes Ambient conditions Yes Free fall 0.3 m; five times, in dispatch package Ambient temperature in operation -20 °C Min. -20 °C • max. 60 °C • horizontal installation, min. -20 °C • horizontal installation, min. -20 °C • vertical installation, max. 60 °C • vertical installation, max. 50 °C	 on the supply lines acc. to IEC 61000-4-5 	Yes
radiation acc. to IEC 61000-4-6 Emission of radio interference acc. to EN 55 011 Limit class A, for use in industrial areas Limit class B, for use in residential areas Limit class B, for use in residential areas Pegree and class of protection Degree and class of protection Degree of protection to EN 60529 IP20 Yes Standards, approvals, certificates CE mark Yes CE mark CE mark Yes CE mark Yes CE mark CE mark CE mark CE mark Yes CE mark CE mark CE mark CE mark Yes CE mark CE mark CE mark Yes CE mark CE mark CE mark CE mark Yes CE mark CE	Immunity against conducted interference induced by hi	gh-frequency fields
• Limit class A, for use in industrial areas 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 EN 5011 Degree of protection to EN 60529 Yes • IP20 Yes Standards, approvals, certificates Yes CE mark Yes UL approval Yes GULus Yes RCM (formerly C-TICK) Yes FM approval Yes Marine approval Yes • Marine approval Standards, for use in operation • Min. -20 °C • Min. -20 °C • max. 60 °C • horizontal installation, min. -20 °C • horizontal installation, min. -20 °C • horizontal installation,		Yes
• 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 Degree of protection to EN 60529 • IP20 Yes Standards, approvals, certificates Yes CE mark Yes UL approval Yes cULus Yes RCM (formerly C-TICK) Yes FM approval Yes Marine approval Yes • Marine approval Yes • Marine approval Yes • Marine approval Yes • Marine approval Of Sam; five times, in dispatch package Ambient conditions -20 °C fmax. 60 °C • max. 60 °C • horizontal installation, min. -20 °C • horizontal installation, min. -20 °C • horizontal installation, max. 60 °C • vertical installation, max. 50 °C	Emission of radio interference acc. to EN 55 011	
with the limits for Class B according to EN 55011 Degree and class of protection to EN 60529 0 Yes Standards, approvals, certificates CE mark Yes UL approval Yes cULus Yes RCM (formerly C-TICK) Yes FM approval Yes Marine approval Yes Marine approval Yes Marine approval Yes Ambient conditions Yes Free fall 0.3 m; five times, in dispatch package Ambient temperature in operation 60 °C Min. -20 °C e max. 60 °C e horizontal installation, min. -20 °C e horizontal installation, min. -20 °C e vertical installation, max. 60 °C e vertical installation, max. 60 °C e vertical installation, max. 50 °C	 Limit class A, for use in industrial areas 	Yes; Group 1
Degree of protection to EN 60529 Yes IP20 Yes Standards, approvals, certificates Yes CE mark Yes UL approval Yes UL us Yes CULus Yes RCM (formerly C-TICK) Yes FM approval Yes Marine approval Yes Marine approval Yes Marine approval Yes Ambient conditions Yes Ambient conditions Ves Ambient temperature in operation 0.3 m; five times, in dispatch package Min. -20 °C • max. 60 °C • horizontal installation, min. -20 °C • horizontal installation, min. -20 °C • vertical installation, min. -20 °C • vertical installation, min. -20 °C	 Limit class B, for use in residential areas 	
• IP20YesStandards, approvals, certificatesCE markYesUL approvalYesUL approvalYescULusYesRCM (formerly C-TICK)YesFM approvalYesMarine approvalYes• Marine approvalYes• Marine approvalYesProp height, max. (in packaging)0.3 m; five times, in dispatch package• Min20 °C• Min.60 °C• horizontal installation, min20 °C• horizontal installation, max.60 °C• vertical installation, min20 °C• vertical installation, max.50 °C	Degree and class of protection	
Standards, approvals, certificates CE mark Yes UL approval Yes cULus Yes RCM (formerly C-TICK) Yes FM approval Yes Marine approval Yes Marine approval Yes • Marine approval Yes • Marine approval Yes Pree fall 0.3 m; five times, in dispatch package • Min. -20 °C • max. 60 °C • horizontal installation, min. -20 °C • horizontal installation, max. 60 °C • horizontal installation, max. 60 °C • horizontal installation, max. 60 °C • vertical installation, max. 50 °C	Degree of protection to EN 60529	
CE markYesUL approvalYesUL usYescULusYesRCM (formerly C-TICK)YesFM approvalYesMarine approvalYes• Marine approval0.3 m; five times, in dispatch packageAmbient conditions-20 °C• Min20 °C• horizontal installation, min20 °C• horizontal installation, max.60 °C• vertical installation, min20 °C• vertical installation, max.50 °C• vertical installation, max.50 °C	• IP20	Yes
UL approvalYescULusYesRCM (formerly C-TICK)YesFM approvalYesMarine approvalYes• Marine approvalYes• Marine approvalYesAmbient conditionsFree fall• Drop height, max. (in packaging)0.3 m; five times, in dispatch package• Min20 °C• Marine in operation60 °C• Marine installation, min20 °C• horizontal installation, max.60 °C• vertical installation, max.50 °C	Standards, approvals, certificates	
cULus Yes RCM (formerly C-TICK) Yes FM approval Yes Marine approval Yes • Marine approval Yes • Marine approval Yes Ambient conditions Yes Free fall 0.3 m; five times, in dispatch package • Drop height, max. (in packaging) 0.3 m; five times, in dispatch package Ambient temperature in operation -20 °C • Min. -20 °C • max. 60 °C • horizontal installation, min. -20 °C • horizontal installation, max. 60 °C • vertical installation, max. 50 °C	CE mark	Yes
RCM (formerly C-TICK) Yes FM approval Yes Marine approval Yes • Marine approval Yes • Marine approval Yes Ambient conditions Yes Free fall 0.3 m; five times, in dispatch package • Drop height, max. (in packaging) 0.3 m; five times, in dispatch package • Min. -20 °C • max. 60 °C • horizontal installation, min. -20 °C • horizontal installation, max. 60 °C • vertical installation, max. 50 °C	UL approval	Yes
FM approval Yes Marine approval Yes • Marine approval Yes Ambient conditions Yes Ambient conditions Free fall • Drop height, max. (in packaging) 0.3 m; five times, in dispatch package Ambient temperature in operation -20 °C • Min. -20 °C • horizontal installation, min. -20 °C • horizontal installation, min. 60 °C • vertical installation, max. 60 °C • vertical installation, max. 50 °C		
Marine approval Yes Ambient conditions Ambient conditions Free fall 0.3 m; five times, in dispatch package Orop height, max. (in packaging) 0.3 m; five times, in dispatch package Ambient temperature in operation -20 °C Marine ax. 60 °C • horizontal installation, min. -20 °C • horizontal installation, max. 60 °C • vertical installation, max. 60 °C • vertical installation, max. 50 °C	RCM (formerly C-TICK)	Yes
Marine approval Yes Ambient conditions Ambient conditions Free fall 0.3 m; five times, in dispatch package • Drop height, max. (in packaging) 0.3 m; five times, in dispatch package • Ambient temperature in operation -20 °C • Min. -20 °C • max. 60 °C • horizontal installation, min. -20 °C • horizontal installation, max. 60 °C • vertical installation, max. 60 °C • vertical installation, max. 50 °C		Yes
Ambient conditions Free fall 0.3 m; five times, in dispatch package Ambient temperature in operation 0.3 m; five times, in dispatch package Ambient temperature in operation -20 °C • Min. -20 °C • max. 60 °C • horizontal installation, min. -20 °C • horizontal installation, min. -20 °C • vertical installation, max. 60 °C • vertical installation, max. 50 °C	Marine approval	
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• Drop height, max. (in packaging)0.3 m; five times, in dispatch packageAmbient temperature in operation• Min20 °C• max.60 °C• horizontal installation, min20 °C• horizontal installation, max.60 °C• vertical installation, min20 °C• vertical installation, max.60 °C• vertical installation, max.50 °C	Ambient conditions	
Ambient temperature in operation • Min. -20 °C • max. 60 °C • horizontal installation, min. -20 °C • horizontal installation, max. 60 °C • vertical installation, max. 60 °C	Free fall	
• Min20 °C• max.60 °C• horizontal installation, min20 °C• horizontal installation, max.60 °C• vertical installation, min20 °C• vertical installation, max.50 °C	 Drop height, max. (in packaging) 	0.3 m; five times, in dispatch package
• max.60 °C• horizontal installation, min20 °C• horizontal installation, max.60 °C• vertical installation, min20 °C• vertical installation, max.50 °C	Ambient temperature in operation	
 horizontal installation, min. horizontal installation, max. vertical installation, min. vertical installation, max. 50 °C 	• Min.	-20 °C
 horizontal installation, max. vertical installation, min. vertical installation, max. 50 °C 	• max.	60 °C
 vertical installation, min. vertical installation, max. 50 °C 	 horizontal installation, min. 	-20 °C
• vertical installation, max. 50 °C	 horizontal installation, max. 	60 °C
	• vertical installation, min.	-20 °C
Storage/transport temperature	 vertical installation, max. 	50 °C

• Min.	-40 °C
• max.	70 °C
Air pressure acc. to IEC 60068-2-13	
Storage/transport, min.	660 hPa
 Storage/transport, max. 	1 080 hPa
Permissible operating height	-1000 to 2000 m
Relative humidity	
• Operation, max.	95 %; no condensation
 Permissible range (without condensation) at 25 °C 	95 %
Vibrations	
Vibrations	2G wall mounting, 1G DIN rail
 Operation, checked according to IEC 60068-2- 6 	Yes
Shock test	
 checked 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	
— SO2 at RH < 60% without condensation	S02: < 0.5 ppm; H2S: < 0.1 ppm; RH < 60% condensation-free
programming	
Programming language	
— LAD	Yes
— FBD	Yes
— SCL	Yes
Cycle time monitoring	
• can be set	Yes
Dimensions	
Width	90 mm
Height	100 mm
Depth	75 mm
Weights	
Weight, approx.	420 g
last modified:	12.03.2015

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