## SIEMENS

## Data sheet

## 6ES7288-1SR60-0AA1

SIMATIC S7-200 SMART, CPU SR60, CPU, AC/DC/relay, onboard I/O: 36 DI 24 V DC; 24 DQ relay 2 A; power supply: AC 85 - 264 V AC at 47-63 Hz program/data memory 50 KB web server support

General information		
Product type designation	CPU SR60 AC/DC/Relay	
Engineering with		
Programming package	STEP 7 Micro/WIN SMART	
Installation type/mounting		
Rail mounting	Yes; Standard - DIN rail	
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 range, lower limit	47 Hz	
permissible range, upper limit	63 Hz	
Input current		
Current consumption (rated value)	220 mA; at 240 V AC	
Current consumption, max.	370 mA; At 120 V AC	
Inrush current, max.	16.3 A; at 264 V	
Output current		
Current output, max.	300 mA; 24 V DC Sensor Power	
for backplane bus (5 V DC), max.	1.4 A; max. 5 V DC for EM bus	
Power loss		
Power loss, max.	25 W	
Memory		
Type of memory	DDR	
Flash	Yes	
RAM	Yes	
Memory available for user data	20 kbyte	
Memory size	30 kbyte; Program memory	
Micro Memory Card	Yes; microSDHC Card (optional)	
Backup		
• present	Yes; Maintenance free, RTC requires 7 days.	
CPU processing times		
for bit operations, typ.	150 ns; / instruction	
for word operations, typ.	1.2 µs; / instruction	
for floating point arithmetic, typ.	3.6 µs; / instruction	
Address area		
I/O address area		
Inputs	144 byte; 256 bit of digital inputs & 56 words of analog inputs	
Outputs	144 byte; 256 bit of digital outputs & 56 words of analog outputs	
Time of day		
Clock		
• Туре	Hardware clock, no battery backup	
Hardware clock (real-time)	Yes	
Backup time	7 d	
• Deviation per day, max.	120 s; within 120s/month at 25 °C	
Digital inputs		
Number of digital inputs	36; Integrated	
<ul> <li>of which inputs usable for technological functions</li> </ul>	4; HSC (High Speed Counting)	

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Yes
36
DC
24 V
5 V DC at 1 mA
15 V DC at 2.5 mA
1 mA
4 mA
Yes; 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
0.2 ms
12.8 ms
Yes
Yes; 6 Single phase: 4 HSCs at 200 kHz; 2 HSCs at 30 kHz 4 A/B phase: 2
HSCs at 100 kHz; 2 HSCs at 20 kHz
500 m; 50 m for technological functions
300 m; for technological functions: No
24; Relays
2 A
30 W; 30 W with DC, 200 W with AC
10 ms; max.
10 ms; max.
1 Hz
24
500 m
150 m
1
1
PROFINET
PROFINET
Yes; Transformer isolated, 1,500V AC
Yes; 10/100 Mbit/s
Yes
Yes
Yes
Yes; Since V2.4
Yes; I-Device since V2.5
100 Mbit/s
8
4 ms; 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.

Address area	
— Inputs, max.	128 byte; Per device
— Outputs, max.	128 byte; Per device
2. Interface	
	DC 405 (may 407.5 kbms)
Interface type	RS 485 (max. 187.5 kbps)
Interface types	N
RS 485	Yes
PROFIBUS DP master	
Services	N
— S7 communication	Yes
Protocols	
Supports protocol for PROFINET IO	Yes; RT Controller (since FW V2.4) & I-Device (since FW V2.5)
PROFIBUS	Yes; Via CM DP module
Protocols (Ethernet)	
• TCP/IP	Yes
communication functions / header	
S7 communication	
supported	Yes
• as server	Yes
• as client	Yes
Test commissioning functions	
Status/control	
Status/control variable	Yes
Forcing	
Forcing	Yes
Integrated Functions	
Counter	
Number of counters	6
PID controller	Yes; PID closed-loop control function: Continuous controller outputs, binary
	controller outputs, automatic/manual mode, max. 8 loops
Number of pulse outputs	3
Potential separation	
Potential separation digital inputs	
Potential separation digital inputs <ul> <li>between the channels, in groups of</li> </ul>	1
Potential separation digital inputs <ul> <li>between the channels, in groups of</li> </ul> Potential separation digital outputs	
Potential separation digital inputs <ul> <li>between the channels, in groups of</li> </ul> <li>Potential separation digital outputs <ul> <li>between the channels</li> </ul> </li>	No
Potential separation digital inputs <ul> <li>between the channels, in groups of</li> </ul> <li>Potential separation digital outputs <ul> <li>between the channels</li> <li>between the channels, in groups of</li> </ul> </li>	
Potential separation digital inputs <ul> <li>between the channels, in groups of</li> </ul> <li>Potential separation digital outputs <ul> <li>between the channels</li> <li>between the channels, in groups of</li> </ul> </li>	No
Potential separation digital inputs <ul> <li>between the channels, in groups of</li> </ul> <li>Potential separation digital outputs <ul> <li>between the channels</li> <li>between the channels, in groups of</li> </ul> </li> <li>EMC Interference immunity against discharge of static electricity</li>	No
Potential separation digital inputs <ul> <li>between the channels, in groups of</li> </ul> <li>Potential separation digital outputs <ul> <li>between the channels</li> <li>between the channels, in groups of</li> </ul> </li>	No
Potential separation digital inputs <ul> <li>between the channels, in groups of</li> </ul> <li>Potential separation digital outputs <ul> <li>between the channels</li> <li>between the channels, in groups of</li> </ul> </li> <li>EMC <ul> <li>Interference immunity against discharge of static electricity</li> <li>Interference immunity against discharge of static electricity</li> <li>electricity acc. to IEC 61000-4-2</li> </ul> </li>	No 2
Potential separation digital inputs <ul> <li>between the channels, in groups of</li> </ul> <li>Potential separation digital outputs <ul> <li>between the channels</li> <li>between the channels, in groups of</li> </ul> </li> <li>EMC <ul> <li>Interference immunity against discharge of static electricity</li> <li>Interference immunity against discharge of static electricity acc. to IEC 61000-4-2 <ul> <li>Test voltage at air discharge</li> </ul> </li> </ul></li>	No 2 Yes
Potential separation digital inputs <ul> <li>between the channels, in groups of</li> </ul> <li>Potential separation digital outputs <ul> <li>between the channels</li> <li>between the channels, in groups of</li> </ul> </li> <li>EMC <ul> <li>Interference immunity against discharge of static electricity</li> <li>Interference immunity against discharge of static electricity</li> <li>electricity acc. to IEC 61000-4-2</li> </ul> </li>	No 2 Yes 8 kV 4 kV
Potential separation digital inputs         • between the channels, in groups of         Potential separation digital outputs         • between the channels         • between the channels, in groups of         EMC         Interference immunity against discharge of static electricity         • Interference immunity against discharge of static electricity acc. to IEC 61000-4-2         — Test voltage at air discharge         — Test voltage at contact discharge         Interference immunity against high-frequency electromagnetic fields         • Interference immunity against high-frequency radiation	No 2 Yes 8 kV 4 kV s Yes; 10 V/m, 80 to 1 000 MHz (to IEC 61000-4-3); 10 V/m, 900 MHz, 1.89 GHz,
Potential separation digital inputs         • between the channels, in groups of         Potential separation digital outputs         • between the channels         • between the channels, in groups of         EMC         Interference immunity against discharge of static electricity         • Interference immunity against discharge of static electricity acc. to IEC 61000-4-2         — Test voltage at air discharge         — Test voltage at contact discharge         Interference immunity against high-frequency electromagnetic fields         • Interference immunity against high-frequency radiation acc. to IEC 61000-4-3	No 2 Yes 8 kV 4 kV
Potential separation digital inputs         • between the channels, in groups of         Potential separation digital outputs         • between the channels         • between the channels, in groups of         EMC         Interference immunity against discharge of static electricity         • Interference immunity against discharge of static electricity acc. to IEC 61000-4-2         — Test voltage at air discharge         — Test voltage at contact discharge         Interference immunity against high-frequency electromagnetic fields         • Interference immunity against high-frequency radiation acc. to IEC 61000-4-3         Interference immunity to cable-borne interference	No 2 Yes 8 kV 4 kV S Yes; 10 V/m, 80 to 1 000 MHz (to IEC 61000-4-3); 10 V/m, 900 MHz, 1.89 GHz, 50% ED (to IEC 61000-4-3)
Potential separation digital inputs         • between the channels, in groups of         Potential separation digital outputs         • between the channels         • between the channels, in groups of         EMC         Interference immunity against discharge of static electricity         • Interference immunity against discharge of static electricity acc. to IEC 61000-4-2         — Test voltage at air discharge         — Test voltage at contact discharge         Interference immunity against high-frequency electromagnetic fields         • Interference immunity against high-frequency radiation acc. to IEC 61000-4-3	No 2 Yes 8 kV 4 kV s Yes; 10 V/m, 80 to 1 000 MHz (to IEC 61000-4-3); 10 V/m, 900 MHz, 1.89 GHz,
Potential separation digital inputs         • between the channels, in groups of         Potential separation digital outputs         • between the channels         • between the channels, in groups of         EMC         Interference immunity against discharge of static electricity         • Interference immunity against discharge of static electricity acc. to IEC 61000-4-2         — Test voltage at air discharge         — Test voltage at contact discharge         Interference immunity against high-frequency electromagnetic fields         • Interference immunity against high-frequency radiation acc. to IEC 61000-4-3         Interference immunity to cable-borne interference         • Interference immunity to supply lines acc. to IEC 61000-4-3	No 2 Yes 8 kV 4 kV S Yes; 10 V/m, 80 to 1 000 MHz (to IEC 61000-4-3); 10 V/m, 900 MHz, 1.89 GHz, 50% ED (to IEC 61000-4-3)
Potential separation digital inputs         • between the channels, in groups of         Potential separation digital outputs         • between the channels         • between the channels, in groups of         EMC         Interference immunity against discharge of static electricity         • Interference immunity against discharge of static electricity acc. to IEC 61000-4-2         — Test voltage at air discharge         — Test voltage at contact discharge         Interference immunity against high-frequency electromagnetic fields         • Interference immunity against high-frequency radiation acc. to IEC 61000-4-3         Interference immunity to cable-borne interference         • Interference immunity on supply lines acc. to IEC 61000-4-4         • Interference immunity on supply lines acc. to IEC 61000-4-4	No 2 Yes 8 kV 4 kV S Yes; 10 V/m, 80 to 1 000 MHz (to IEC 61000-4-3); 10 V/m, 900 MHz, 1.89 GHz, 50% ED (to IEC 61000-4-3) Yes; 2 kV acc. to IEC 61000-4-4, burst Yes; ±2 kV acc. to IEC 61000-4-4, Burst
<ul> <li>Potential separation digital inputs <ul> <li>between the channels, in groups of</li> </ul> </li> <li>Potential separation digital outputs <ul> <li>between the channels</li> <li>between the channels, in groups of</li> </ul> </li> <li>EMC <ul> <li>Interference immunity against discharge of static electricity</li> <li>Interference immunity against discharge of static electricity</li> <li>Interference immunity against discharge <ul> <li>Test voltage at air discharge</li> <li>Test voltage at contact discharge</li> </ul> </li> <li>Interference immunity against high-frequency electromagnetic fields <ul> <li>Interference immunity to cable-borne interference</li> <li>Interference immunity on supply lines acc. to IEC 61000-4-4</li> <li>Interference immunity on signal cables acc. to IEC 61000-4-4</li> </ul> </li> <li>Interference immunity against conducted variable disturbance induce</li> <li>Interference immunity against high frequency current feed</li> </ul></li></ul>	No 2 Yes 8 kV 4 kV S Yes; 10 V/m, 80 to 1 000 MHz (to IEC 61000-4-3); 10 V/m, 900 MHz, 1.89 GHz, 50% ED (to IEC 61000-4-3) Yes; 2 kV acc. to IEC 61000-4-4, burst Yes; ±2 kV acc. to IEC 61000-4-4, Burst
<ul> <li>Potential separation digital inputs <ul> <li>between the channels, in groups of</li> </ul> </li> <li>Potential separation digital outputs <ul> <li>between the channels</li> <li>between the channels, in groups of</li> </ul> </li> <li>EMC <ul> <li>Interference immunity against discharge of static electricity</li> <li>Interference immunity against discharge of static electricity acc. to IEC 61000-4-2 <ul> <li>Test voltage at air discharge</li> <li>Test voltage at contact discharge</li> </ul> </li> <li>Interference immunity against high-frequency electromagnetic fields <ul> <li>Interference immunity to cable-borne interference</li> <li>Interference immunity to cable-borne interference</li> </ul> </li> <li>Interference immunity on signal cables acc. to IEC 61000-4-4 <ul> <li>Interference immunity against conducted variable disturbance induction</li> </ul> </li> </ul></li></ul>	No 2 Yes 8 kV 4 kV 5 Yes; 10 V/m, 80 to 1 000 MHz (to IEC 61000-4-3); 10 V/m, 900 MHz, 1.89 GHz, 50% ED (to IEC 61000-4-3) Yes; 2 kV acc. to IEC 61000-4-4, burst Yes; ±2 kV acc. to IEC 61000-4-4, Burst ced by high-frequency fields
Potential separation digital inputs         • between the channels, in groups of         Potential separation digital outputs         • between the channels         • between the channels, in groups of         EMC         Interference immunity against discharge of static electricity         • Interference immunity against discharge of static electricity acc. to IEC 61000-4-2         — Test voltage at air discharge         — Test voltage at contact discharge         Interference immunity against high-frequency electromagnetic fields         • Interference immunity against high-frequency radiation acc. to IEC 61000-4-3         Interference immunity to cable-borne interference         • Interference immunity on supply lines acc. to IEC 61000-4-4         • Interference immunity on signal cables acc. to IEC 61000-4-4         • Interference immunity against conducted variable disturbance induce         • Interference immunity against conducted variable disturbance induce         • Interference immunity against conducted variable disturbance induce         • Interference immunity against high frequency current feed acc. to IEC 61000-4-6         Emission of radio interference acc. to EN 55 011	No 2 Yes 8 kV 4 kV 5 Yes; 10 V/m, 80 to 1 000 MHz (to IEC 61000-4-3); 10 V/m, 900 MHz, 1.89 GHz, 50% ED (to IEC 61000-4-3) Yes; 2 kV acc. to IEC 61000-4-4, burst Yes; ±2 kV acc. to IEC 61000-4-4, Burst ced by high-frequency fields Yes; 10 V, 150 kHz to 80 MHz (to IEC 61000-4-6)
<ul> <li>Potential separation digital inputs <ul> <li>between the channels, in groups of</li> </ul> </li> <li>Potential separation digital outputs <ul> <li>between the channels</li> <li>between the channels, in groups of</li> </ul> </li> <li>EMC <ul> <li>Interference immunity against discharge of static electricity</li> <li>Interference inmunity against discharge of static electricity acc. to IEC 61000-4-2 <ul> <li>Test voltage at air discharge</li> <li>Test voltage at contact discharge</li> </ul> </li> <li>Interference immunity against high-frequency electromagnetic fields <ul> <li>Interference immunity to cable-borne interference</li> <li>Interference immunity on supply lines acc. to IEC 61000-4-4</li> </ul> </li> <li>Interference immunity on signal cables acc. to IEC 61000-4-4</li> <li>Interference immunity against conducted variable disturbance induce</li> <li>Interference immunity against high frequency current feed acc. to IEC 61000-4-6</li> </ul> </li> </ul>	No 2 Yes 8 kV 4 kV 5 Yes; 10 V/m, 80 to 1 000 MHz (to IEC 61000-4-3); 10 V/m, 900 MHz, 1.89 GHz, 50% ED (to IEC 61000-4-3) Yes; 2 kV acc. to IEC 61000-4-4, burst Yes; ±2 kV acc. to IEC 61000-4-4, Burst ced by high-frequency fields
<ul> <li>Potential separation digital inputs <ul> <li>between the channels, in groups of</li> </ul> </li> <li>Potential separation digital outputs <ul> <li>between the channels</li> <li>between the channels, in groups of</li> </ul> </li> <li>EMC <ul> <li>Interference immunity against discharge of static electricity</li> <li>Interference immunity against discharge of static electricity acc. to IEC 61000-4-2 <ul> <li>Test voltage at air discharge</li> <li>Test voltage at contact discharge</li> </ul> </li> <li>Interference immunity against high-frequency electromagnetic fields <ul> <li>Interference immunity against high-frequency radiation acc. to IEC 61000-4-3</li> </ul> </li> <li>Interference immunity to cable-borne interference <ul> <li>Interference immunity on supply lines acc. to IEC 61000-4-4</li> <li>Interference immunity against conducted variable disturbance induce</li> <li>Interference immunity against high frequency current feed acc. to IEC 61000-4-6</li> </ul> </li> <li>Emission of radio interference acc. to EN 55 011 <ul> <li>Limit class A, for use in industrial areas</li> <li>Emission of conducted and non-conducted interference</li> </ul> </li> </ul></li></ul>	No 2 Yes 8 kV 4 kV S Yes; 10 V/m, 80 to 1 000 MHz (to IEC 61000-4-3); 10 V/m, 900 MHz, 1.89 GHz, 50% ED (to IEC 61000-4-3) Yes; 2 kV acc. to IEC 61000-4-4, burst Yes; ±2 kV acc. to IEC 61000-4-4, Burst Ceed by high-frequency fields Yes; 10 V, 150 kHz to 80 MHz (to IEC 61000-4-6) Yes; EN 61000-6-4, interference emission: Intended for use in industrial areas.
<ul> <li>Potential separation digital inputs <ul> <li>between the channels, in groups of</li> </ul> </li> <li>Potential separation digital outputs <ul> <li>between the channels</li> <li>between the channels, in groups of</li> </ul> </li> <li>EMC <ul> <li>Interference immunity against discharge of static electricity</li> <li>Interference immunity against discharge of static electricity acc. to IEC 61000-4-2 <ul> <li>Test voltage at air discharge</li> <li>Test voltage at contact discharge</li> </ul> </li> <li>Interference immunity against high-frequency electromagnetic fields <ul> <li>Interference immunity against high-frequency radiation acc. to IEC 61000-4-3</li> </ul> </li> <li>Interference immunity to cable-borne interference <ul> <li>Interference immunity on supply lines acc. to IEC 61000-4-4</li> <li>Interference immunity against conducted variable disturbance induce</li> <li>Interference immunity against high frequency current feed acc. to IEC 61000-4-6</li> </ul> </li> <li>Emission of radio interference acc. to EN 55 011 <ul> <li>Limit class A, for use in industrial areas</li> <li>Emission of conducted and non-conducted interference</li> <li>Interference emission via line/AC current cables</li> </ul> </li> </ul></li></ul>	No 2 Yes 8 kV 4 kV 5 Yes; 10 V/m, 80 to 1 000 MHz (to IEC 61000-4-3); 10 V/m, 900 MHz, 1.89 GHz, 50% ED (to IEC 61000-4-3) Yes; 2 kV acc. to IEC 61000-4-4, burst Yes; ±2 kV acc. to IEC 61000-4-4, Burst ced by high-frequency fields Yes; 10 V, 150 kHz to 80 MHz (to IEC 61000-4-6)
<ul> <li>Potential separation digital inputs <ul> <li>between the channels, in groups of</li> </ul> </li> <li>Potential separation digital outputs <ul> <li>between the channels</li> <li>between the channels, in groups of</li> </ul> </li> <li>EMC <ul> <li>Interference immunity against discharge of static electricity</li> <li>Interference immunity against discharge of static electricity acc. to IEC 61000-4-2 <ul> <li>Test voltage at air discharge</li> <li>Test voltage at contact discharge</li> </ul> </li> <li>Interference immunity against high-frequency electromagnetic fields <ul> <li>Interference immunity against high-frequency radiation acc. to IEC 61000-4-3</li> </ul> </li> <li>Interference immunity on supply lines acc. to IEC 61000-4-4 <ul> <li>Interference immunity on signal cables acc. to IEC 61000-4-4</li> </ul> </li> <li>Interference immunity against conducted variable disturbance induce <ul> <li>Interference immunity against high frequency current feed acc. to IEC 61000-4-6</li> </ul> </li> <li>Emission of radio interference acc. to EN 55 011 <ul> <li>Limit class A, for use in industrial areas</li> <li>Emission of conducted and non-conducted interference</li> <li>Interference emission via line/AC current cables</li> </ul> </li> </ul></li></ul>	No 2 Yes 8 kV 4 kV 5 Yes; 10 V/m, 80 to 1 000 MHz (to IEC 61000-4-3); 10 V/m, 900 MHz, 1.89 GHz, 50% ED (to IEC 61000-4-3) Yes; 2 kV acc. to IEC 61000-4-4, burst Yes; ±2 kV acc. to IEC 61000-4-4, Burst Ced by high-frequency fields Yes; 10 V, 150 kHz to 80 MHz (to IEC 61000-4-6) Yes; EN 61000-6-4, interference emission: Intended for use in industrial areas. EN 61000-6-4, interference emission: Intended for use in industrial areas.
<ul> <li>Potential separation digital inputs <ul> <li>between the channels, in groups of</li> </ul> </li> <li>Potential separation digital outputs <ul> <li>between the channels</li> <li>between the channels, in groups of</li> </ul> </li> <li>EMC <ul> <li>Interference immunity against discharge of static electricity</li> <li>Interference immunity against discharge of static electricity acc. to IEC 61000-4-2 <ul> <li>Test voltage at air discharge</li> <li>Test voltage at contact discharge</li> </ul> </li> <li>Interference immunity against high-frequency electromagnetic fields <ul> <li>Interference immunity against high-frequency radiation acc. to IEC 61000-4-3</li> </ul> </li> <li>Interference immunity to cable-borne interference <ul> <li>Interference immunity on supply lines acc. to IEC 61000-4-4</li> <li>Interference immunity on signal cables acc. to IEC 61000-4-4</li> </ul> </li> <li>Interference immunity against conducted variable disturbance induce interference immunity against high frequency current feed acc. to IEC 61000-4-4</li> <li>Emission of radio interference acc. to EN 55 011 <ul> <li>Limit class A, for use in industrial areas</li> </ul> </li> <li>Emission of conducted and non-conducted interference <ul> <li>Interference emission via line/AC current cables</li> </ul> </li> </ul></li></ul>	No 2 Yes 8 kV 4 kV S Yes; 10 V/m, 80 to 1 000 MHz (to IEC 61000-4-3); 10 V/m, 900 MHz, 1.89 GHz, 50% ED (to IEC 61000-4-3) Yes; 2 kV acc. to IEC 61000-4-4, burst Yes; ±2 kV acc. to IEC 61000-4-4, Burst Ceed by high-frequency fields Yes; 10 V, 150 kHz to 80 MHz (to IEC 61000-4-6) Yes; EN 61000-6-4, interference emission: Intended for use in industrial areas.
<ul> <li>Potential separation digital inputs <ul> <li>between the channels, in groups of</li> </ul> </li> <li>Potential separation digital outputs <ul> <li>between the channels</li> <li>between the channels, in groups of</li> </ul> </li> <li>EMC <ul> <li>Interference immunity against discharge of static electricity</li> <li>Interference immunity against discharge of static electricity acc. to IEC 61000-4-2 <ul> <li>Test voltage at air discharge</li> <li>Test voltage at contact discharge</li> </ul> </li> <li>Interference immunity against high-frequency electromagnetic fields <ul> <li>Interference immunity against high-frequency radiation acc. to IEC 61000-4-3</li> </ul> </li> <li>Interference immunity on supply lines acc. to IEC 61000-4-4 <ul> <li>Interference immunity on signal cables acc. to IEC 61000-4-4</li> </ul> </li> <li>Interference immunity against conducted variable disturbance induce <ul> <li>Interference immunity against high frequency current feed acc. to IEC 61000-4-6</li> </ul> </li> <li>Emission of radio interference acc. to EN 55 011 <ul> <li>Limit class A, for use in industrial areas</li> <li>Emission of conducted and non-conducted interference</li> <li>Interference emission via line/AC current cables</li> </ul> </li> </ul></li></ul>	No 2 Yes 8 kV 4 kV 5 Yes; 10 V/m, 80 to 1 000 MHz (to IEC 61000-4-3); 10 V/m, 900 MHz, 1.89 GHz, 50% ED (to IEC 61000-4-3) Yes; 2 kV acc. to IEC 61000-4-4, burst Yes; ±2 kV acc. to IEC 61000-4-4, Burst Ced by high-frequency fields Yes; 10 V, 150 kHz to 80 MHz (to IEC 61000-4-6) Yes; EN 61000-6-4, interference emission: Intended for use in industrial areas. EN 61000-6-4, interference emission: Intended for use in industrial areas.

• Fall height, max.	0.3 m; five times, in product package
Ambient temperature during operation	
• min.	-20 °C
• max.	60 °C
<ul> <li>horizontal installation, min.</li> </ul>	-20 °C
<ul> <li>horizontal installation, max.</li> </ul>	60 °C
<ul> <li>vertical installation, min.</li> </ul>	-20 °C
<ul> <li>vertical installation, max.</li> </ul>	55 °C
Ambient temperature during storage/transportation	
• min.	-40 °C
• max.	70 °C
Air pressure acc. to IEC 60068-2-13	
<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>	2 000 m
Relative humidity	
<ul> <li>Operation at 25 °C without condensation, max.</li> </ul>	95 %
configuration / header	
configuration / programming / header	
Programming language	
— LAD	Yes
— FBD	Yes
STL	Yes
Dimensions	
Width	175 mm
Height	100 mm
Depth	81 mm
Weights	
Weight, approx.	611.5 g
Classifications	

	Version	Classification
eClass	14	27-24-22-07
eClass	12	27-24-22-07
eClass	9.1	27-24-22-07
eClass	9	27-24-22-07
eClass	8	27-24-22-07
eClass	7.1	27-24-22-07
eClass	6	27-24-22-07
ETIM	9	EC000236
ETIM	8	EC000236
ETIM	7	EC000236
IDEA	4	3565
UNSPSC	15	32-15-17-05

Approvals / Certificates

General Product Approval

CE EG-Konf.



last modified:

12/8/2024 🖸