

\*\*\*Spare part\*\*\* SIPLUS NET CP 443-1 for medial exposure with conformal coating based on 6GK7443-1EX20-0XE0



Transmission rate	
Transfer rate	
<ul style="list-style-type: none"> <li>at the 1st interface</li> </ul>	10 ... 100 Mbit/s
Interfaces	
Number of interfaces / acc. to Industrial Ethernet	2
Number of electrical connections	
<ul style="list-style-type: none"> <li>at the 1st interface / acc. to Industrial Ethernet</li> </ul>	2
Type of electrical connection	
<ul style="list-style-type: none"> <li>at the 1st interface / acc. to Industrial Ethernet</li> <li>of Industrial Ethernet interface</li> </ul>	RJ45 port 15 pin Sub-D-socket (10Mbit/s AUI, 10/100 Mbit/s ITP)
design of the removable storage / C-PLUG	No
Supply voltage, current consumption, power loss	
Type of voltage / of the supply voltage	DC
Supply voltage / 1 / from backplane bus	5 V
Supply voltage	5 V
Relative symmetrical tolerance / at DC	
<ul style="list-style-type: none"> <li>at 5 V</li> </ul>	5 %
Consumed current	

• from backplane bus / at DC / at 5 V / typical	1.4 A
Power loss [W]	8.6 W

### Permitted ambient conditions

Ambient temperature	
• during operation	0 ... 60 °C
• during storage	-40 ... +70 °C
• during transport	-40 ... +70 °C
Ambient condition / relating to ambient temperature - air pressure - installation altitude	0 ... +60°C at 1080 hPa ... 795 hPa (-1000 m ... +2000 m) // 0 ... +50°C at 795 hPa ... 658 hPa (+2000 m ... +3500 m) // 0 ... +40°C at 658 hPa ... 540 hPa (+3500 m ... +5000 m)
Relative humidity / with condensation / maximum	100 %; r.F., incl. condensation/frost permitted (no commissioning in bedewed state)
Resistance to biologically active substances	
• conformity acc. to EN 60721-3-3	Yes; Compliance with EN 60721-3-3, Class 3B2 mold, fungus, and sponge spores (except fauna). The supplied plug covers must remain in place over the unused interfaces during operation!
Resistance to chemically active substances	
• conformity acc. to EN 60721-3-3	Yes; Class 3C4 (RH < 75 %) incl. salt spray acc. to EN 60068-2-52 (severity degree 3). The supplied plug covers must remain in place over the unused interfaces during operation!
Resistance to mechanically active substances	
• conformity acc. to EN 60721-3-3	Yes; Class 3S4 incl. sand, dust. The supplied plug covers must remain in place over the unused interfaces during operation!
Protection class IP	IP20

### Design, dimensions and weight

Module format	Compact module S7-400 single width
Width	25 mm
Height	290 mm
Depth	210 mm
Net weight	0.7 kg

### Product properties, functions, components / general

Number of units	
• per CPU / maximum	14

### Performance data / S7 communication

Number of possible connections / for S7 communication	
• maximum	128
• with PG connections / maximum	2
• with OP connections / maximum	30

### Performance data / multi-protocol mode

Number of active connections / with multi-protocol mode	128
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Performance data / PROFINET communication / as PN IO-Controller	
Number of external PN IO lines / with PROFINET / per rack	4
Amount of data	
<ul style="list-style-type: none"> <li>as user data for input variables / as PROFINET IO controller / maximum</li> </ul>	4 Kibyte
<ul style="list-style-type: none"> <li>as user data for input variables / as PROFINET IO controller / maximum</li> </ul>	4 Kibyte
<ul style="list-style-type: none"> <li>as user data for input variables per PN IO device / as PROFINET IO controller / maximum</li> </ul>	240 byte
<ul style="list-style-type: none"> <li>as user data for output variables per PN IO device / as PROFINET IO controller / maximum</li> </ul>	240 byte
Product function / MIB support	Yes
Protocol / is supported	
<ul style="list-style-type: none"> <li>SNMP v1</li> </ul>	Yes
<ul style="list-style-type: none"> <li>DCP</li> </ul>	Yes
<ul style="list-style-type: none"> <li>LLDP</li> </ul>	Yes
Configuration software	
<ul style="list-style-type: none"> <li>required</li> </ul>	STEP 7 V5.4 SP4 or higher
Product functions / switch	
Product feature / Switch	Yes
Product function	
<ul style="list-style-type: none"> <li>with IRT / PROFINET IO switch</li> </ul>	Yes
<ul style="list-style-type: none"> <li>Configuration with STEP 7</li> </ul>	Yes
Product functions / Redundancy	
Product function	
<ul style="list-style-type: none"> <li>Ring redundancy</li> </ul>	Yes
<ul style="list-style-type: none"> <li>Redundancy manager</li> </ul>	Yes
Protocol / is supported / Media Redundancy Protocol (MRP)	Yes
Product functions / Security	
Product function	
<ul style="list-style-type: none"> <li>ACL - IP-based</li> </ul>	Yes
<ul style="list-style-type: none"> <li>ACL - IP-based for PLC/routing</li> </ul>	No
<ul style="list-style-type: none"> <li>switch-off of non-required services</li> </ul>	Yes
Product functions / Time	
Product function / SICLOCK support	Yes
Protocol / is supported	
<ul style="list-style-type: none"> <li>NTP</li> </ul>	Yes
Accessories	
Further Information / Internet Links	

Internet-Link

- to website: Selector SIMATIC NET SELECTION TOOL
- to website: Industrial communication
- to website: Information and Download Center
- to website: Image database
- to website: CAx Download Manager

<http://www.siemens.com/snst>

<http://www.siemens.com/simatic-net>

<http://www.siemens.com/automation/net/catalog>

<http://automation.siemens.com/bilddb>

<http://www.siemens.com/cax>

**last modified:**

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