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Data sheet 6ES7648-2CF10-1AA0

SIMATIC CP1625, PCIe card for PROFINET IRT for Softwarecontroller CPU1500S



Figure similar

General information	
Product type designation	CP 1625
Product function	
● Proxy functionality	No
Installation type/mounting	
Design	Plug-in card
Supply voltage	
Type of supply voltage	DC via PCI Express
Interfaces	
Interfaces/bus type	PROFINET IO
Number of PROFINET interfaces	1; 2 ports (switch)
Integrated Functions	
Monitoring functions	
● Status LEDs	Yes
● Fan	No
EMC	
Interference immunity against discharge of static electricity	
● Interference immunity against discharge of static electricity	all EMC immunity requirements according to SPH Environment Specification V4.2 HMI / IPC Class 1
Interference immunity against high-frequency electromagnetic fields	
● Interference immunity against high frequency radiation	all EMC immunity requirements according to SPH Environment Specification V4.2 HMI / IPC Class 1
Interference immunity to cable-borne interference	
● Interference immunity on supply cables	all EMC immunity requirements according to SPH Environment Specification V4.2 HMI / IPC Class 1
Degree and class of protection	
IP degree of protection	IP20
Standards, approvals, certificates	
CE mark	Yes; CE marking / EC Declaration of Conformity
CSA approval	Yes
UL approval	Yes; UL 60950
cULus	Yes
FM approval	No
RCM (formerly C-TICK)	Yes
KC approval	Yes
EAC (formerly Gost-R)	Yes
EMC	EN 61000-6-3, FCC Class A, EN 61000-6-4, CISPR 22, EN 55022 Class B, EN 61000-3-2 Class D, EN 61000-3-3
Use in hazardous areas	
● ATEX Zone 2	Yes

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● IECEx Zone 2	Yes
● FM Class I Division 2	No
Marine approval	
● Germanischer Lloyd (GL)	No
● American Bureau of Shipping (ABS)	No
● Bureau Veritas (BV)	No
● Det Norske Veritas (DNV)	No
● Korean Register of Shipping (KRS)	No
● Lloyds Register of Shipping (LRS)	No
● Nippon Kaiji Kyokai (Class NK)	No
Ambient conditions	
Ambient temperature during operation	
● min.	0 °C
● max.	55 °C
Ambient temperature during storage/transportation	
● min.	-20 °C
● max.	70 °C
Altitude during operation relating to sea level	
● Installation altitude above sea level, max.	3 000 m
Relative humidity	
● Relative humidity	5 % to 90 % at 40 °C (no condensation)
Vibrations	
● Vibration resistance during operation acc. to IEC 60068-2-6	1 g (10 m/s²)
Shock testing	
● Shock load during operation	5 g (50 m/s²)
Dimensions	
Width	21.6 mm
Height	126 mm
Depth	180 mm

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