



Catalog #: 1783-BMS20CGP

Stratix 5700, 16 copper 10/100 ports, 2 combo(copper or SFP slot) 10/100/1000 ports, 2 SFP 10/100 slots, full FW, 1588 PTP

Lifecycle status: End of Life

Rockwell Automation announces that as of September 1, 2024, the Stratix 5700, 16 copper 10/100 ports, 2 combo(copper or SFP slot) 10/100/1000 ports, 2 SFP 10/100 slots, full FW, 1588 PTP will be discontinued and no longer available for sale. Customers are encouraged to remove references to the affected product(s).

Discontinued Date: September 1, 2024
Replacement Category: Engineering Replacement
Replacement Product: [1783-CMS20DP](https://www.rockwellautomation.com/pt-br/products/details.1783-CMS20DP.html)
[<https://www.rockwellautomation.com/pt-br/products/details.1783-CMS20DP.html>]

Technical Specifications

Mechanical

Width	12.7 cm
Height	12.95 cm
Depth	13.58 cm
Approximate weight	2.04 kg
Screw torque, ground terminal, maximum	0.96 Nm
Screw torque, power and alarm terminals	0.23 Nm

Electrical

Number of ports 10/100 Mbps RJ45	16
Number of combination-ports RJ45/Mini GBIC	2
Layer 2	No
Layer 3	No
Manageable	Yes
Power consumption, maximum	30 W
Power dissipation	30 W

Firmware type	Full
Isolation voltage (continuous), basic insulation type, DC power ports to ground, DC power ports to ethernet ports, and DC power ports to alarm ports	50 V
Number of combination ports 10/100/1000 Mbps	2
Number of ports 10/100 Mbps SFP	2
Power consumption at 24V DC, 40 °C	21 W
Total number of ports	20
Wire size, alarm connection, solid or stranded, UL/CSA-rated style 1007 or 1569 twisted-pair copper appliance wiring material (AWM) wire	0.5 mm ²
Wire size, DC power connection, solid or stranded copper wire rated at 75 °C or greater	0.5 mm ²
Wire size, ethernet connection	RJ45 connector according to IEC 60603-7, 2 or 4-pair category 5e minimum cable according to TIA 568-B.1 or category 5 cable according to ISO/IEC 24702
Mounting method	DIN rail (top hat rail)
Ethernet	Yes
Protection type	Alarm not rated
Alarm relay at 30V DC	1 A
Alarm relay at 48V DC	0.5 A
CIP sync (IEEE 1588)	Yes
DLR	Yes
Maximum insulation, DC power connection	1.2 mm
Power input at 12 – 48V DC, class 2/SELV	0.5 A
Wire size, ground connection, stranded copper wire, minimum	4 mm ²
Wire strip length, alarm connection	6.3±0.5 mm
Wire strip length, DC power connection	6.3±0.5 mm
Wiring category on console and alarm ports	3
Wiring category on DC power ports	2
Wiring category on Ethernet ports	2
Degree of protection (IP)	IP30
Housing base material	Open-style

Environmental

Nominal position	T4
Temperature, surrounding air, maximum	60 °C
EFT/B immunity for IEC 61000-4-4 at 100 kHz on DC power ports	±2 kV
EFT/B immunity for IEC 61000-4-4 at 100 kHz on Ethernet ports	±1 kV
EFT/B immunity for IEC 61000-4-4 at 5 kHz on alarm ports	±2 kV
EFT/B immunity for IEC 61000-4-4 at 5 kHz on Ethernet ports	±2 kV
Emissions, CISPR11 (IEC 61000-6-4)	Class A
ESD immunity, IEC 61000-4-2, air discharges	15 kV
ESD immunity, IEC 61000-4-2, contact discharges	8 kV
Radiated RF immunity, IEC 61000-4-3 with 1 kHz sine-wave 80% AM from 1000 - 2700 MHz	10 Kg/Km
Radiated RF immunity, IEC 61000-4-3 with 200 Hz 50% pulse 100% AM at 900 MHz	20 Kg/Km
Shock, non-operating, IEC 60068-2-27 (test Ea, unpackaged shock)	55 g
Shock, operating, IEC 60068-2-27 (test Ea, unpackaged shock)	30 g
Surge transient immunity, IEC 61000-4-5, line-earth (CM) on Ethernet ports	±2 kV
Temperature, operating, IEC 60068-2-1 (test Ad, operating, cold)	-40 °C
Temperature, operating, IEC 60068-2-14 (test Nb, operating, thermal shock)	-40 °C
Temperature, operating, IEC 60068-2-2 (test Bd, operating, dry heat)	-40 °C
Selectable start times	T4
Conducted RF immunity, IEC 61000-4-6 with 1 kHz sine-wave 80% AM from 150 kHz - 80 MHz (rms)	10 V
Damped oscillatory wave immunity, IEC 61000-4-18, line-earth (CM) on power ports	±2.5 kV
Damped oscillatory wave immunity, IEC 61000-4-18, line-line (DM) on power ports	±1 kV
EFT/B immunity for IEC 61000-4-4 at 100 kHz on alarm ports	±1 kV
EFT/B immunity for IEC 61000-4-4 at 2.5 kHz on alarm ports	±4 kV
EFT/B immunity for IEC 61000-4-4 at 2.5 kHz on Ethernet ports	±4 kV
EFT/B immunity for IEC 61000-4-4 at 5 kHz on DC power	±4 kV

ports

Radiated RF immunity, IEC 61000-4-3 with 1 kHz sine-wave 80% AM from 80 - 1000 MHz	20 Kg/Km
Relative humidity, IEC 60068-2-30 (test Db, unpackaged damp heat), non-condensing	5 %
Surge transient immunity, IEC 61000-4-5, line-earth (CM) on DC power ports	±2 kV
Surge transient immunity, IEC 61000-4-5, line-line (DM) on DC power ports	±1 kV
Temperature, non-operating, IEC 60068-2-1 (test Ab, unpackaged non-operating cold)	-40 °C
Temperature, non-operating, IEC 60068-2-14 (test Na, unpackaged non-operating thermal shock)	-40 °C
Temperature, non-operating, IEC 60068-2-2 (test Bb, unpackaged non-operating dry heat)	-40 °C
Vibration, IEC 60068-2-6 (test Fc, operating) at 10 - 500 Hz	2 g
Voltage variation IEC 61000-4-29, interruption on DC power ports	10 ms

Certifications

- China CCC

This product was certified with the above certifications as of 2024-06-27. Products sold before or after this date might carry different certifications. Please review the product label to check for the certifications your specific product carries.



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