DATASHEET - XN-332-5ETH-UMS

Stand alone Switch as slice module in the I/O system XN300, 24 V DC power supply, 5xEthernet 10/100Mbit/s

Part no. XN-332-5ETH-UMS
Catalog No. 199711

Powering Business Worldwide

Delivery program

Function			Ethernet-Switch
Connection technique			Push-in spring-cage terminal
Function			Ethernet switch for connecting XN300 to networks
Short Description			5-port Ethernet switch (RJ45) for connecting network segments
Field bus connection			Ethernet (Ethernet-IP protocol)
For use with			XN-322-…

Technical data

General

Ambient temperature		°C	-25 - +85
Storage	ϑ	°C	-40 - +80
Relative humidity			5-95%, non condensing
Mechanical shock resistance		g	according to IEC 60068-2-27
Degree of Protection			IP20
Static heat dissipation, non-current-dependent	P_{vs}	W	1.2
Current consumption for +24 V power supply	I	mA	(typ.) max. 2.5 A
Dimensions (W x H x D)		mm	25 x 104 x 72

Terminations

Stripping length		mm	10
Connectable conductors			
Flexible without ferrule		mm^2	1,5

Networking

System supply	U_{sys}	V DC	24
Coordination type "1"	U_{sys}	V DC	19.2 … 30
Admissible range			18-30 V DC

Design verification as per IEC/EN 61439

Technical data for design verification			
Static heat dissipation, non-current-dependent	P_{vs}	W	1.2
Operating ambient temperature min.		°C	-25
Operating ambient temperature max.		°C	85
Degree of Protection			IP20
IEC/EN 61439 design verification			
10.2 Strength of materials and parts			
10.2.2 Corrosion resistance			Meets the product standard's requirements.
10.2.3.1 Verification of thermal stability of enclosures			Meets the product standard's requirements.
10.2.3.2 Verification of resistance of insulating materials to normal heat			Meets the product standard's requirements.
10.2.3.3 Verification of resistance of insulating materials to abnormal heat and fire due to internal electric effects			Meets the product standard's requirements.
10.2.4 Resistance to ultra-violet (UV) radiation			Meets the product standard's requirements.
10.2.5 Lifting			Does not apply to enclosures without lifting aids.
10.2.6 Mechanical impact			Does not apply, since the entire switchgear needs to be evaluated.

10.2.7 Inscriptions			Meets the product standard's requirements.
10.3 Degree of protection of ASSEMBLIES			Meets the product standard's requirements.
10.4 Clearances and creepage distances			Meets the product standard's requirements.
10.5 Protection against electric shock			Does not apply to plastic enclosures.
10.6 Incorporation of switching devices and components			Does not apply, since the entire switchgear needs to be evaluated.
10.7 Internal electrical circuits and connections			Is the panel builder's responsibility.
10.8 Connections for external conductors			Is the panel builder's responsibility.
10.9 Insulation properties			
10.9.2 Power-frequency electric strength			Is the panel builder's responsibility.
10.9.3 Impulse withstand voltage			Is the panel builder's responsibility.
10.9.4 Testing of enclosures made of insulating material			Is the panel builder's responsibility.
10.10 Temperature rise			The panel builder is responsible for the temperature rise calculation. Eaton will provide heat dissipation data for the devices.
10.11 Short-circuit rating			Is the panel builder's responsibility.
10.12 Electromagnetic compatibility			Is the panel builder's responsibility.
10.13 Mechanical function			The device meets the requirements, provided the information in the instruction leaflet (IL) is observed.

Technical data ETIM 7.0

Data and telecommunication (EG000037) / Network switch (EC000734)

Information, communication and media technology / Network technology (computer communication) / Network component (industrial application) / Managed Switch (wired, industrial application) (ecl@ss10.0.1-19-17-04-01 [AGF078001])

Ethernet			Yes
Number of ports 10/100 Mbps RJ45			5
Number of ports 10/100/1000 Mbps RJ45			0
Number of ports 1000 Mbps RJ45			0
Number of ports 10 Gbps RJ45			0
Number of ports 10 Gbps Mini GBIC			0
Number of ports 100/1000 Mbps Mini GBIC			0
Number of ports 1000 Mbps Mini GBIC			0
Number of ports 40 Gbps Mini GBIC			0
Number of ports 100 Gbps Mini GBIC			0
Number of combination-ports RJ45/Mini GBIC			0
Number of ports 1000 Mbps GBIC			0
Number of ports 10/100 Mbps M12			0
Number of ports 100 Mbps SC			0
Number of ports 1000 Mbps SC (SX)			0
Number of ports 1000 Mbps SC (LX)			0
Number of ports 100 Mbps ST			0
Number of ports 100 Mbps POF			0
Number of ports 1000 Mbps POF			0
Number of ports PoE			0
Number of other ports			0
Max. PoE power		W	0
Mounting method			DIN rail (top hat rail)
Number of max. stackable switches			0
Number of module slots			0
Layer 2			Yes
Layer 3			No
Manageable			No
Power over Ethernet			Other
Degree of protection (IP)			IP20
Height		mm	104
Width		mm	25
Depth		mm	72

Additional product information (links)

Manual XN300 Accessories XN-332 Ethernet Switch MN050011	
Manual XN300 Accessories XN-332 Ethernet Switch MN050011 - Deutsch	https://es-assets.eaton.com/DOCUMENTATION/AWB_MANUALS/MN050011_DE.pdf
Manual XN300 Accessories XN-332 Ethernet Switch MN050011 - English	https://es-assets.eaton.com/DOCUMENTATION/AWB_MANUALS/MN050011_EN.pdf
Product overview (WEB)	http://www.eaton.eu/xn300