

Xelity 6TX PROFINET Managed Switch with 1000Mbit

+ 4 Power M12 IP67 M12L 5-pole

Art.No.: 58857

Weight: 0.904

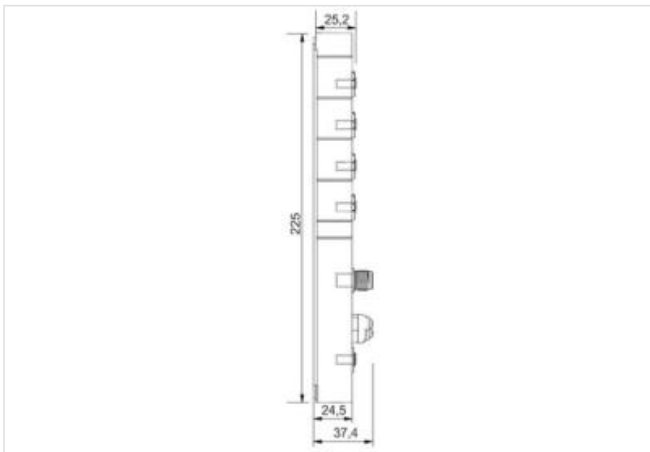
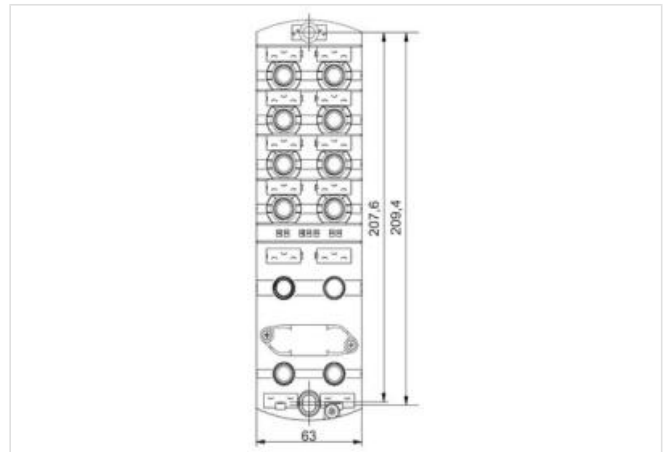
Country of origin: DE

Model designation: Xelity 6TX 4PW IP67 M GE PN 5P

Xelity Hybrid Switches are the ideal solution for connecting up to four cameras and other network participants (under 100W output power) via standardized M12 a-coded connections for power supply and M12 x-coded connections for Ethernet data connection. The NEC Class 2 protection of the power outputs and the integrated Mico overcurrent protection ensure that the connected participants and the cables are electrically protected. Thanks to the proven IP67 housing concept, the switches fit seamlessly into your decentralized installation concepts. The devices are used in intralogistics, in machine vision and everywhere else where Ethernet cameras are used.

[Link to Product](#)

Illustration



Product may differ from Image



Commercial data

ECLASS-6.0

19170106

ECLASS-6.1	19170106
ECLASS-7.0	19170106
ECLASS-8.0	19170106
ECLASS-9.0	19170401
ECLASS-10.1	19170401
ECLASS-11.1	19170401
ECLASS-12.0	19170401
ETIM-5.0	EC000734
customs tariff number	85176200
GTIN	4065909055441
Packaging unit	1

Electrical data | Supply

Operating voltage type	DC
Operating voltage US DC	24 V
Operating voltage US DC min.	18 V
Operating voltage US DC max.	30 V
Power consumption max.	3,8 W
Current consumption max.	183 mA

Electrical data | Output

Actuator current UA per output max.	16000 mA
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Industrial communication

Number of HW interfaces (Industrial Ethernet)	6
Supported protocol	PROFINET, Ethernet

Industrial communication | Ethernet functionality

Topology type	line, star, net, ring
Auto-crossover	yes
Auto-negotiation	yes
Auto-polarity	yes
duplex	Full or half duplex
Auto-Sensing	yes
Line topology (switch cascading max.)	64
Net topology	RSTP
Package buffer	2 Mbit
Ring topology	RSTP
Switch type	managed
Switching procedure	Store & forward
Transmission type (Port 1)	1 GBASE-T, 100 BASE-T(X), 10 BASE-T
Transmission type (Port 2)	1 GBASE-T, 100 BASE-T(X), 10 BASE-T
Transmission type (Port 3)	1 GBASE-T, 100 BASE-T(X), 10 BASE-T
Transmission type (Port 4)	1 GBASE-T, 100 BASE-T(X), 10 BASE-T
Transmission type (Port 5)	1 GBASE-T, 100 BASE-T(X), 10 BASE-T
Transmission type (Port 6)	1 GBASE-T, 100 BASE-T(X), 10 BASE-T

Industrial communication | Profinet

FSU (Fast-Start-Up)	no
IRT (application)	no
IRT (network communication)	no
MRP client	yes
PROFINET Netload Class	III
PROFINET cycle time min.	128 ms
PROFINET addressing	DCP
PROFINET conformance class	B
PROFINET specification	V2.4

PROFenergy	no
Shared device/input	no
Industrial communication IIoT functions	
IP preset	0.0.0.0/24
Webserver	HTTPS
Switch Management	
Addressing	BOOTP/DHCP client, DCP, SSHv2 command line, Web based management
AutoUpdateX compatible from version	3.6
Configuration file management	Webserver, FTP, TFTP, HTTP
MRP (IEC 62439-2)	Client
Priorization type (IEEE 802.1D/p)	(Mapping CoS/DSCP)
QoS (IEEE 802.1p)	8 queues
RSTP (IEEE 802.1D-2004, IEC 62439-1)	Default on
Simple Network Management Protocol (SNMP)	v1 + v2c + v3 (default active)
VLAN managed (IEEE 802.1Q)	yes
VLANs max. (IEEE 802.1Q)	64
Time synchronization	Real-time clock, NTP client
Diagnostics	
Alarm contact	no
Remote maintenance	Open VPN client
LED display	Power, Ethernet connection/data traffic
Network information	Neighborhood detection (LLDP, IEEE 802.1AB), MAC notifications
Port mirroring	1:1, N:1
RMON	yes
SNMP traps	yes
Syslog	yes
System information	Overload indicator, Device information, Input voltage, device temperature
Installation Connection	
Number ports	8
Device protection Electrical	
Installation height max. ASL	3000 m
Degree of protection (EN IEC 60529)	IP65, IP67
Protection class (EN IEC 61140)	III
Overload protection device supply	no
Invers-polarity protection	yes
Pollution Degree	3
Protective circuitry input	Varistor, Suppressor diode
Short-circuit protected	yes
Over voltage protection	yes
Device protection Mechanical	
Shock resistance (EN IEC 60068-2-27)	30 g, 11 ms
Vibration resistance (EN IEC 60068-2-6)	3,5 mm (3 ... 60 Hz), 10 g (60 ... 150 Hz)
Mechanical data Material data	
Color housing	silver
Material housing	Zinc die-casting
Mechanical data Mounting data	
Net weight	904 g
Mounting method	screwed
mounting position	random
Height	225 mm
Width	63 mm

Depth 37,4 mm

Environmental characteristics | Electromagnetic compatibility

Interference emission	IEC 61000-6-3
Immunity to interference	IEC 61000-4-2, IEC 61000-4-3, IEC 61000-4-4, IEC 61000-4-5, IEC 61000-4-6, IEC 61000-4-8

Environmental characteristics | Climatic

Ambient temperature min.	-40 °C
Ambient temperature max.	55 °C
Derating from	40 °C
Storage temperature min.	-40 °C
Storage temperature max.	85 °C
Transport temperature min.	-40 °C
Transport temperature max.	85 °C
Relative humidity max. (operation)	95 %
Relative humidity max. (storage, transport)	95 %
Assembly location	Interior

Technical Data | Reliability

MTTF	84 a, SN 29500
Additional condition MTTF, MTBF	40 °C

Environmental product conformity

REACH	(EC) No 1907/2006
REACH-SVHC	(EC) No 1907/2006
RoHS	2011/65/EU & (EU)2015/863 Exception 6c, 7a & 7c1
China RoHS	25 EPUP GB/T 26572
WEEE	2012/19/EU Category 5

Conformity

CE	2014/30/EU 2011/65/EU
UKCA	Electromagnetic Compatibility Regulations 2016, The Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment Regulations 2012

Approvals

UL	UL 61010-1 UL 61010-2-201 E201820
ULc	CSA C22.2 No. 61010-1-12 CSA C22.2 No. 61010-2-201 E201820
PROFINET	yes

Connection type 4

Connection type 1	X1-X4
Connection type 2	XD1
Connection type 3	XD2
Connection type 4	XF1-XF6
Family construction form	M12
Gender	male
Color contact carrier	gray
Coding	L
No. of poles	5
PIN 1	24 V DC (UB 1) (US)
PIN 2	0 V (UA)
PIN 3	0 V (UB 1) (US)
PIN 4	24 V DC (UA)
PIN 5	FE
Family construction form	M12
Gender	female
Color contact carrier	gray
Coding	L
No. of poles	5

PIN 1	24 V DC (UB 1) (US)
PIN 2	0 V (UA)
PIN 3	0 V (UB 1) (US)
PIN 4	24 V DC (UA)
PIN 5	FE
Family construction form	M12
Gender	female
Color contact carrier	black
Coding	A
No. of poles	5
PIN 1	24 V DC (UB 1) (US)
PIN 2	Signal A
PIN 3	0 V
PIN 4	Signal B
PIN 5	FE
Family construction form	M12
Gender	female
Color contact carrier	green
Coding	X
No. of poles	8
PIN 1	DA +
PIN 2	DA -
PIN 3	DB +
PIN 4	DB -
PIN 5	DD +
PIN 6	DD -
PIN 7	DC -
PIN 8	DC +

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