

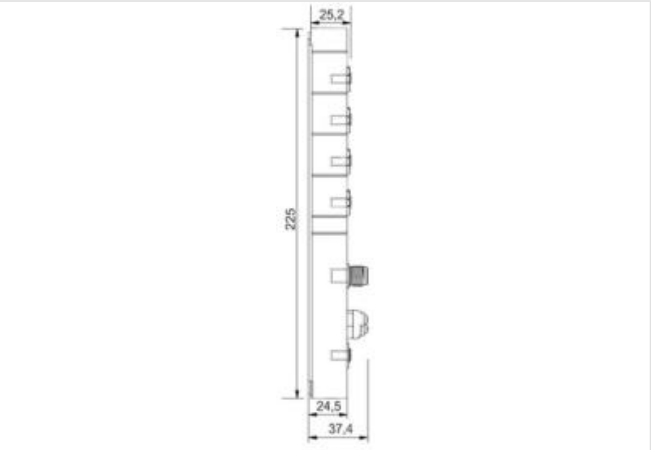
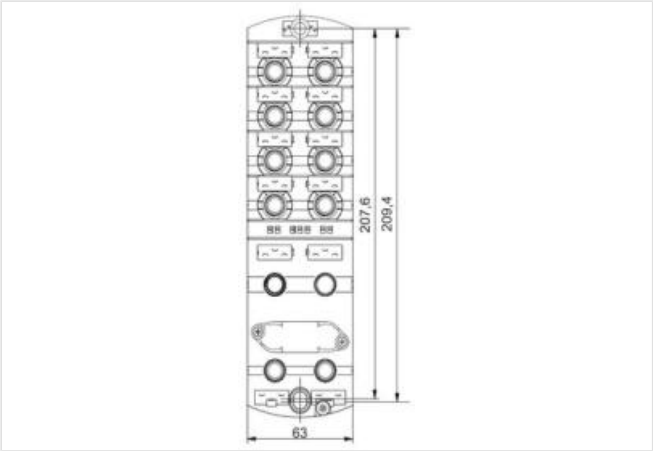
**Xelity 6TX PROFINET Managed Switch with 1000Mbit**

+ 4 Power M12 IP67 M12L 5-pole

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 |
|-------------------------------------|----------|

**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   |
| PROFIenergy                 | no     |
| Shared device/input         | no     |

**Industrial communication | IIoT functions**

|                                                                      |                                                                           |
|----------------------------------------------------------------------|---------------------------------------------------------------------------|
| IP preset                                                            | 0.0.0.0/24                                                                |
| Webserver                                                            | HTTPS                                                                     |
| <b>Switch Management</b>                                             |                                                                           |
| 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                                               |
| <b>Diagnostics</b>                                                   |                                                                           |
| 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 |
| <b>Installation   Connection</b>                                     |                                                                           |
| Number ports                                                         | 8                                                                         |
| <b>Device protection   Electrical</b>                                |                                                                           |
| 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                                                                       |
| <b>Device protection   Mechanical</b>                                |                                                                           |
| 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)                                |
| <b>Mechanical data   Material data</b>                               |                                                                           |
| Color housing                                                        | silver                                                                    |
| Material housing                                                     | Zinc die-casting                                                          |
| <b>Mechanical data   Mounting data</b>                               |                                                                           |
| Net weight                                                           | 904 g                                                                     |
| Mounting method                                                      | screwed                                                                   |
| mounting position                                                    | random                                                                    |
| Height                                                               | 225 mm                                                                    |
| Width                                                                | 63 mm                                                                     |
| Depth                                                                | 37,4 mm                                                                   |
| <b>Environmental characteristics   Electromagnetic compatibility</b> |                                                                           |
| 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 |
|     | 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 +                |