

Industrial Ethernet Switch - FL SWITCH SFNT 6TX/2FX-C - 2891048

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Wide-temperature Ethernet switch, 6 TP RJ45 ports, 2 FO ports, 100 Mbps full duplex in SC-D format, automatic detection of data transmission speed of 10 or 100 Mbps (RJ45), autocracking function, autocracking function, reads QoS priority messages, accepts security frames. Conformal coating for harsh environments.



Ethernet

Key commercial data

| | |
|--------------------------------------|-----------|
| Packing unit | 1 pc |
| Weight per Piece (excluding packing) | 652.6 GRM |
| Custom tariff number | 85176200 |
| Country of origin | Taiwan |

Technical data

Dimensions

| | |
|--------|--------|
| Width | 50 mm |
| Height | 130 mm |
| Depth | 100 mm |

Ambient conditions

| | |
|--|--|
| Degree of protection | IP20 |
| Ambient temperature (operation) | -40 °C ... 75 °C |
| Ambient temperature (storage/transport) | -40 °C ... 85 °C |
| Permissible humidity (operation) | 5 % ... 95 % (non-condensing) |
| Permissible humidity (storage/transport) | 5 % ... 95 % (non-condensing) |
| Air pressure (operation) | 62 kPa ... 108 kPa (up to 4160 m above mean sea level) |
| Air pressure (storage/transport) | 62 kPa ... 108 kPa (up to 4160 m above mean sea level) |
| Noise immunity | EN 61000-6-2 |

Interfaces

| | |
|--------------|-----------------|
| Interface 1 | Ethernet (RJ45) |
| No. of ports | 6 (RJ45 ports) |

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Interfaces

| | |
|---------------------------|--|
| Connection method | RJ45 |
| Note on connection method | Auto negotiation and autocrossing |
| Transmission physics | Ethernet in RJ45 twisted pair |
| Transmission speed | 10/100 MBit/s |
| Interface 2 | Fiber optic interface |
| No. of ports | 2 (FO port) |
| Connection method | SC |
| Transmission physics | multi-mode fiberglass |
| Transmission speed | 100 MBit/s (SC-D, full duplex) |
| Transmission length | 12.1 km (fiberglass with F-G 62.5/125 0.7 dB/km F1000) |
| | 3.3 km (fiberglass with F-G 62.5/125 2.6 dB/km F600) |
| | 7.1 km (fiberglass with F-G 50/125 0.7 dB/km F1200) |
| | 3.1 km (fiberglass with F-G 50/125 1.6 dB/km F800) |
| Wavelength | 1300 nm |

Function

| | |
|----------------------------------|--|
| Basic functions | Unmanaged switch / autonegotiation, complies with IEEE 802.3, store and forward switching mode, includes QoS and alarm contact |
| Status and diagnostic indicators | LEDs: U _{S1} , U _{S2} (redundant voltage supply), link and activity per port, alarm (power and link down) |

Network expansion parameters

| | |
|---|--|
| Cascading depth | Network, linear, and star structure: any |
| Maximum conductor length (twisted pair) | 100 m |

Supply voltage

| | |
|-----------------------------|--|
| Supply voltage | 24 V DC (redundant) |
| Residual ripple | 3.6 V _{PP} (within the permitted voltage range) |
| Supply voltage range | 9 V DC ... 32 V DC |
| Typical current consumption | 250 mA (@24 V DC) |

General

| | |
|------------------|--------------|
| Mounting type | DIN rail |
| Type AX | Block design |
| Weight | 484 g |
| Housing material | Aluminum |
| Noise emission | EN 61000-6-4 |

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Classifications

eCl@ss

| | |
|------------|----------|
| eCl@ss 4.0 | 27250501 |
| eCl@ss 4.1 | 27250501 |
| eCl@ss 5.0 | 19030117 |
| eCl@ss 5.1 | 19030117 |
| eCl@ss 6.0 | 19170106 |
| eCl@ss 7.0 | 19170106 |
| eCl@ss 8.0 | 19170106 |

ETIM

| | |
|----------|----------|
| ETIM 3.0 | EC000734 |
| ETIM 4.0 | EC000734 |
| ETIM 5.0 | EC000734 |

UNSPSC

| | |
|---------------|----------|
| UNSPSC 6.01 | 43172901 |
| UNSPSC 7.0901 | 43201404 |
| UNSPSC 11 | 43172015 |
| UNSPSC 12.01 | 43201410 |
| UNSPSC 13.2 | 43201410 |

Approvals

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UL Listed / cUL Listed / cULus Listed

Ex Approvals

UL Listed / cUL Listed / cULus Listed

Approvals submitted

Approval details

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UL Listed 

cUL Listed 

cULus Listed 