

FL SWITCH 3006T-2FX SM - Industrial Ethernet Switch



2891060

<https://www.phoenixcontact.com/us/products/2891060>

Please be informed that the data shown in this PDF document is generated from our online catalog. Please find the complete data in the user documentation. Our general terms of use for downloads are valid.



Managed Ethernet switch with six RJ45 ports at 10/100 Mbps, two SC format fiber optic ports and an operating temperature of -40°C ... +75°C

Product description

FL SWITCH 3000 managed industrial Ethernet switches combine extensive network performance and security features with complete IEEE redundancy (STP/RSTP/MST) and 15 ms recovery time extended ring redundancy. Unique web customization provides a simplified user interface for today's applications and scalable functionality for future needs. A comprehensive mix of fiber optic and copper port connections meets a wide range of applications.

Commercial data

| | |
|--------------------------------------|---------------|
| Item number | 2891060 |
| Packing unit | 1 pc |
| Minimum order quantity | 1 pc |
| Sales key | DN17 |
| Product key | DNN125 |
| GTIN | 4046356764285 |
| Weight per piece (including packing) | 1,157.3 g |
| Weight per piece (excluding packing) | 947 g |
| Customs tariff number | 85176200 |
| Country of origin | TW |

FL SWITCH 3006T-2FX SM - Industrial Ethernet Switch

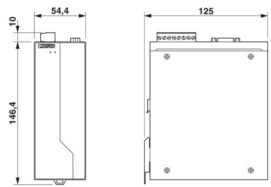


2891060

<https://www.phoenixcontact.com/us/products/2891060>

Technical data

Dimensions

| | |
|---------------------|--|
| Dimensional drawing |  |
| Width | 54.4 mm |
| Height | 146.4 mm |
| Depth | 125 mm |

Notes

Note on application

| | |
|---------------------|-------------------------|
| Note on application | Only for industrial use |
|---------------------|-------------------------|

Utilization restriction

| | |
|------------|---|
| CCCex note | Use in potentially explosive areas is not permitted in China. |
|------------|---|

Material specifications

| | |
|------------------|----------------------------|
| Color (Housing) | white aluminium (RAL 9006) |
| Housing material | Aluminum |

Mounting

| | |
|---------------|-------------------|
| Mounting type | DIN rail mounting |
|---------------|-------------------|

Interfaces

Ethernet (RJ45)

| | |
|-------------------------------|-----------------------------------|
| Connection method | RJ45 |
| Note on the connection method | Auto negotiation and autocrossing |
| Transmission speed | 10/100 Mbps |
| Transmission physics | Ethernet in RJ45 twisted pair |
| Transmission length | 100 m |
| No. of channels | 6 (RJ45 ports) |

Fiber optic interface

| | |
|----------------------|--|
| Connection method | SC |
| Transmission speed | 100 Mbps (full duplex) |
| Transmission physics | Single-mode fiberglass |
| Transmission length | 40 km (fiberglass with F-G 9/125 0.36 dB/km) |
| Wavelength | 1300 nm |
| No. of channels | 2 (SC single mode) |

FL SWITCH 3006T-2FX SM - Industrial Ethernet Switch



2891060

<https://www.phoenixcontact.com/us/products/2891060>

Product properties

| | |
|----------------|---------------------|
| Product type | Switch |
| Product family | Managed Switch 3000 |
| Type | Block design |

Insulation characteristics

| | |
|------------------|---------------------------|
| Protection class | III (VDE 0106, IEC 60536) |
|------------------|---------------------------|

Switch functions

| | |
|----------------------------------|--|
| Basic functions | Store and forward switch, Extended Ring and IEEE redundancy, Multicast control, IGMP snooping, trunking, Port and Tagging VLANs, Port and IEEE 802.1x security, SNMP V3 and Https security, SNTP, web customization, user accounts |
| Signal contact control voltage | 24 V DC |
| Signal contact control current | 100 mA |
| Redundancy | ERR (Extended ring redundancy) |
| Status and diagnostic indicators | LEDs: U _{S1} , U _{S2} (redundant voltage supply), link and activity per port |

Security functions

| | |
|-----------------|--|
| Basic functions | Store and forward switch, Extended Ring and IEEE redundancy, Multicast control, IGMP snooping, trunking, Port and Tagging VLANs, Port and IEEE 802.1x security, SNMP V3 and Https security, SNTP, web customization, user accounts |
|-----------------|--|

Electrical properties

| | |
|---|---|
| Local diagnostics | US1, US2 Supply voltage Green LED |
| | LNK/ACT Link status/data transmission Green LED |
| | 100 Data transmission speed LED red |
| Maximum power dissipation for nominal condition | 7.92 W |
| Test section | Supply voltage/functional ground 500 V 1 min |
| Transmission medium | Copper |

Supply

| | |
|-----------------------------|--|
| Supply voltage (DC) | 24 V DC (redundant) |
| Supply voltage range | 12 V DC ... 48 V DC |
| Inrush current | 5.08 A (3.1 ms) |
| Residual ripple | 3.6 V _{pp} (within the permitted voltage range) |
| Typical current consumption | 265 mA (at U _S = 24 V DC) |

Function

| | |
|--------------------------------|---------|
| Signal contact control voltage | 24 V DC |
| Signal contact control current | 100 mA |

Connection data

Power supply

| | |
|-------------------|------------------|
| Connection method | Screw connection |
|-------------------|------------------|

FL SWITCH 3006T-2FX SM - Industrial Ethernet Switch



2891060

<https://www.phoenixcontact.com/us/products/2891060>

| | |
|-----------------------------------|---|
| pluggable | yes |
| Conductor cross-section, rigid | 0.2 mm ² ... 2.5 mm ² |
| Conductor cross-section, flexible | 0.2 mm ² ... 2.5 mm ² |
| Conductor cross-section AWG | 24 ... 12 |
| Stripping length | 7 mm |

Environmental and real-life conditions

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) | 57 kPa ... 108 kPa (up to 4850 m above mean sea level) |
| Air pressure (storage/transport) | 57 kPa ... 108 kPa (up to 4850 m above mean sea level) |

Approvals

Conformity/Approvals

| | |
|---------------------------------|------------------------------------|
| Conformance | CE-compliant |
| ATEX | ⊕ II 3 G Ex nA nC IIC T4 Gc |
| EU-type examination certificate | DEMKO 16 ATEX 1616X |
| IECEX | Ex nA nC IIC T4 Gc |
| IECEX certificate | IECEX UL 16.0094X |
| UL, USA / Canada | Class I, Div. 2, Groups A, B, C, D |

EMC data

| | |
|---------------------------------|--|
| Conformance with EMC directives | IEC 61000-6-2 IEC 61000-4-2 (ESD) Criterion B |
| | IEC 61000-4-3 (immunity to radiated interference) Criterion A |
| | IEC 61000-4-4 (burst) Criterion A |
| | IEC 61000-4-5 (surge) Criterion B |
| | IEC 61000-4-6 (immunity to conducted interference) Criterion A |
| | IEC 61000-4-8 (immunity to magnetic fields) Criterion A |
| | EN 55022 (emitted interference) Class A |
| Noise immunity | NEMA TS-2 |
| | EN 61000-6-2:2005 |

Noise emission

| | |
|-----------------------|--------------|
| Standards/regulations | EN 61000-6-4 |
|-----------------------|--------------|

System properties

Functionality

| | |
|-----------------|---|
| Basic functions | Store and forward switch, Extended Ring and IEEE redundancy, Multicast control, IGMP snooping, trunking, Port and Tagging VLANs, Port and IEEE 802.1x security, SNMP V3 and Https |
|-----------------|---|

FL SWITCH 3006T-2FX SM - Industrial Ethernet Switch



2891060

<https://www.phoenixcontact.com/us/products/2891060>

| | |
|--|--|
| | security, SNTP, web customization, user accounts |
|--|--|

Signaling

| | |
|----------------|--|
| Status display | LEDs: U _{S1} , U _{S2} (redundant voltage supply), link and activity per port |
|----------------|--|

FL SWITCH 3006T-2FX SM - Industrial Ethernet Switch

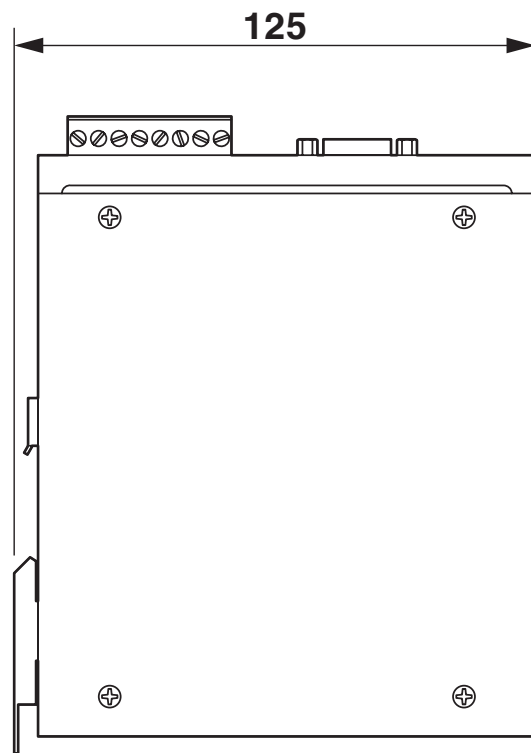
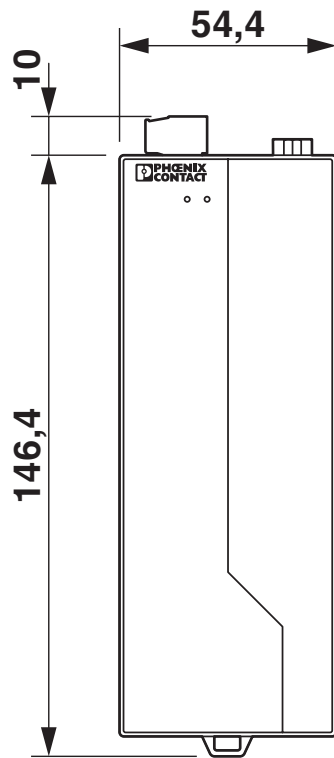


2891060

<https://www.phoenixcontact.com/us/products/2891060>

Drawings

Dimensional drawing



FL SWITCH 3006T-2FX SM - Industrial Ethernet Switch




2891060


<https://www.phoenixcontact.com/us/products/2891060>

Approvals


To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/2891060>


 **UL Listed**
Approval ID: E140324

 **cUL Listed**
Approval ID: E140324


 **IECEX**
Approval ID: IECEX UL 16.0094X

 **cUL Listed**
Approval ID: E360692

 **UL Listed**
Approval ID: E360692

 **UL Listed**
Approval ID: E196811

 **cUL Listed**
Approval ID: E196811

 **ATEX**
Approval ID: DEMKO 16 ATEX 1616X

FL SWITCH 3006T-2FX SM - Industrial Ethernet Switch



2891060

<https://www.phoenixcontact.com/us/products/2891060>

Classifications

ECLASS

| | |
|-------------|----------|
| ECLASS-13.0 | 19170401 |
| ECLASS-15.0 | 19170401 |

ETIM

| | |
|-----------|----------|
| ETIM 10.0 | EC000734 |
|-----------|----------|

UNSPSC

| | |
|-------------|----------|
| UNSPSC 21.0 | 43222600 |
|-------------|----------|

FL SWITCH 3006T-2FX SM - Industrial Ethernet Switch



2891060

<https://www.phoenixcontact.com/us/products/2891060>

Environmental product compliance

EU RoHS

| | |
|---|--------------------|
| Fulfills EU RoHS substance requirements | Yes |
| Exemption | 6(c), 7(a), 7(c)-I |

China RoHS

| | |
|--|---|
| Environment friendly use period (EFUP) | EFUP-10 |
| | An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required. |

EU REACH SVHC

| | |
|-------------------------------------|--------------------------------------|
| REACH candidate substance (CAS No.) | Lead(CAS: 7439-92-1) |
| SCIP | 671043c6-9e7b-4d08-b1ff-2c14ae4f796b |

Phoenix Contact 2026 © - all rights reserved

<https://www.phoenixcontact.com>

Phoenix Contact USA
586 Fulling Mill Road
Middletown, PA 17057, United States
(+717) 944-1300
info@phoenixcon.com