

# FL SWITCH 1000T-2POE-GT-2SFP - Industrial Ethernet Switch



1026765

<https://www.phoenixcontact.com/us/products/1026765>

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.



Unmanaged PoE Switch 1000 series, 2 SFP ports 100/1000 Mbps, 2 RJ45 PoE ports 10/100/1000 Mbps, degree of protection: IP30, Ambient temperature (operation): -40 °C ... 75 °C, Supply voltage range: 52 V DC ... 57 V DC, Extended temperature range

## Your advantages

- Redundant power supply
- Wide temperature range -40 °C ... +75 °C
- Autocrossing
- POE status LED per port
- Auto negotiation
- Automatic detection of IEEE 802.3at or 802.3af powered devices



## Commercial data

|                                      |               |
|--------------------------------------|---------------|
| Item number                          | 1026765       |
| Packing unit                         | 1 pc          |
| Minimum order quantity               | 1 pc          |
| Sales key                            | DN18          |
| Product key                          | DNN115        |
| GTIN                                 | 4055626519463 |
| Weight per piece (including packing) | 569.3 g       |
| Weight per piece (excluding packing) | 569.3 g       |
| Customs tariff number                | 85176200      |
| Country of origin                    | TW            |

# FL SWITCH 1000T-2POE-GT-2SFP - Industrial Ethernet Switch



1026765

<https://www.phoenixcontact.com/us/products/1026765>

## Technical data

### Dimensions

|        |         |
|--------|---------|
| Width  | 42.8 mm |
| Height | 100 mm  |
| Depth  | 101 mm  |

### Notes

|                    |  |
|--------------------|--|
| Notes on operation | Designed to function with all 48 V DC QUINT and TRIO power supplies. |
| Notes on operation | Mode A PoE   |

### Note on application

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

### Utilization restriction

|          |   |
|----------|---|
| EMC note | EMC: class A product, see manufacturer's declaration in the download area |
|----------|---|

### Material specifications

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

### Mounting

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

### Interfaces

#### Fiber optic interface

|                      |  |
|----------------------|--|
| Connection method    | SFP  |
| Transmission speed   | 100/1000 Mbps (full duplex)                          |
| Transmission physics | Depending on the SFP module                          |
| Transmission length  | up to 80 km (Depending on the fiber/SFP module used) |
| No. of channels      | 2 (SFP ports)  |

#### Ethernet (PoE)

|                      |  |
|----------------------|--|
| Number of interfaces | 2                                      |
| Connection method    | RJ45                                   |
| Transmission speed   | 10/100/1000 Mbps                       |
| Transmission physics | Ethernet RJ45                          |
| Transmission length  | 100 m (Between transmitter / receiver) |
| Signal LEDs          | LNK/ACT, POE                           |
| No. of channels      | 2 (RJ45 PoE ports)                     |

### Product properties

|              |        |
|--------------|--------|
| Product type | Switch |
|--------------|--------|

# FL SWITCH 1000T-2POE-GT-2SFP - Industrial Ethernet Switch



1026765

<https://www.phoenixcontact.com/us/products/1026765>

|                    |   |
|--------------------|---|
| Product family     | Unmanaged PoE Switch 1000   |
| Type               | Stand-alone   |
| MTTF               | 45.9 Years (MIL-HDBK-217F standard, temperature 25°C, operating cycle 100%) |
| Special properties | Extended temperature range  |

## Switch functions

|                                  |  |
|----------------------------------|--|
| Basic functions                  | Store-and-forward switch, 10/100/1000 Mbps, auto negotiation, redundant power supply, PoE according to IEEE 802.3at/802.3af, jumbo frames up to 10240 bytes, alarm contact |
| Signal contact control voltage   | 48 V DC  |
| Signal contact control current   | 0.5 A  |
| Status and diagnostic indicators | LEDs: U <sub>S1</sub> , U <sub>S2</sub> (redundant voltage supply), Alarm (alarm contact), Link/Activity and PoE per Ethernet port   |
| Additional functions             | Autonegotiation  |

## Security functions

|                 |  |
|-----------------|--|
| Basic functions | Store-and-forward switch, 10/100/1000 Mbps, auto negotiation, redundant power supply, PoE according to IEEE 802.3at/802.3af, jumbo frames up to 10240 bytes, alarm contact |
|-----------------|--|

## Electrical properties

|   |  |
|---|--|
| Local diagnostics                               | US1, US2 Supply voltage Green LED                      |
|   | PoE PoE detection Orange LED                           |
|   | LNK/ACT Link status/data transmission Green/orange LED |
|   | Alarm Power failure at US1 or US2/Link failure         |
| Maximum power dissipation for nominal condition | 61.6 W (at 55V DC)                                     |

## Supply

|                             |  |
|-----------------------------|--|
| Supply voltage (DC)         | 55 V DC (redundant)  |
| Supply voltage range        | 52 V DC ... 57 V DC (>52 V DC for PoE+ recommended)            |
| Power supply connection     | Via COMBICON, max. conductor cross-section 2.5 mm <sup>2</sup> |
| Inrush current              | 25.7 A (52 V DC for 1950 μs)                                   |
| Residual ripple             | 3.6 V <sub>PP</sub> (within the permitted voltage range)       |
| Max. current consumption    | 1.2 A (Maximum, nominal load)                                  |
| Typical current consumption | 80 mA (at U <sub>S</sub> = 55 V DC)                            |

## Function

|                                |         |
|--------------------------------|---------|
| Signal contact control voltage | 48 V DC |
| Signal contact control current | 0.5 A   |

## Connection data

### Power supply

|                                |   |
|--------------------------------|---|
| Connection method              | Screw connection                            |
| pluggable                      | yes   |
| Conductor cross-section, rigid | 0.2 mm <sup>2</sup> ... 2.5 mm <sup>2</sup> |

# FL SWITCH 1000T-2POE-GT-2SFP - Industrial Ethernet Switch



1026765

<https://www.phoenixcontact.com/us/products/1026765>

|                                   |   |
|-----------------------------------|---|
| Conductor cross-section, flexible | 0.2 mm <sup>2</sup> ... 2.5 mm <sup>2</sup> |
| Conductor cross-section AWG       | 24 ... 12                                   |
| Stripping length                  | 7 mm  |

## Environmental and real-life conditions

### Ambient conditions

|  |  |
|--|--|
| Degree of protection                     | IP30   |
| 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) |

## Standards and regulations

|                          |                                   |
|--------------------------|-----------------------------------|
| Standards/specifications | EN 50121 for railway applications |
|--------------------------|-----------------------------------|

## Approvals

### Conformity/Approvals

|             |              |
|-------------|--------------|
| Conformance | CE-compliant |
|-------------|--------------|

## EMC data

|                                 |  |
|---------------------------------|--|
| Electromagnetic compatibility   | Conformance with EMC Directive 2004/108/EC                     |
| 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) Criterion A                    |
| Noise immunity                  | EN 61000-6-2:2019  |

### Noise emission

|                       |                   |
|-----------------------|-------------------|
| Standards/regulations | EN_61000-6-4:2019 |
|-----------------------|-------------------|

## System properties

### Functionality

|                 |  |
|-----------------|--|
| Basic functions | Store-and-forward switch, 10/100/1000 Mbps, auto negotiation, redundant power supply, PoE according to IEEE 802.3at/802.3af, jumbo frames up to 10240 bytes, alarm contact |
|-----------------|--|

## Signaling

# FL SWITCH 1000T-2POE-GT-2SFP - Industrial Ethernet Switch



1026765

<https://www.phoenixcontact.com/us/products/1026765>

Status display

LEDs: U<sub>S1</sub>, U<sub>S2</sub> (redundant voltage supply), Alarm (alarm contact), Link/Activity and PoE per Ethernet port

# FL SWITCH 1000T-2POE-GT-2SFP - Industrial Ethernet Switch



1026765

<https://www.phoenixcontact.com/us/products/1026765>

## Classifications

### ECLASS

|             |          |
|-------------|----------|
| ECLASS-13.0 | 19170402 |
| ECLASS-15.0 | 19170402 |

### ETIM

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

### UNSPSC

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

# FL SWITCH 1000T-2POE-GT-2SFP - Industrial Ethernet Switch



1026765

<https://www.phoenixcontact.com/us/products/1026765>

## Environmental product compliance

### EU RoHS

|   |                           |
|---|---------------------------|
| Fulfills EU RoHS substance requirements | Yes                       |
| Exemption                               | 15(a), 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                                | b36ca81c-a973-4097-985f-23c199e73795 |

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](mailto:info@phoenixcon.com)