

# FL SWITCH 1005N-28PK - Industrial Ethernet Switch



1544302

<https://www.phoenixcontact.com/us/products/1544302>

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Pack of 28 narrow Ethernet switches, five RJ45 ports with 10/100 Mbps on all ports, automatic data transmission speed detection, autocrossing function, and QoS

## Your advantages

- RJ45 ports support a transmission speed of 10/100 Mbps
- QoS-prioritized (Quality of Service) messages
- Local diagnostic indicators with LEDs
- Enhanced traffic prioritization for automation protocols
- PROFINET PTCP filter for reliable communication on PROFINET networks
- Energy-efficient Ethernet in accord. with IEEE 802.3az
- PROFINET Conformance Class A for real-time data exchange
- Auto negotiation and autocrossing detection simplifies installation and setup

## Commercial data

|                                      |               |
|--------------------------------------|---------------|
| Item number                          | 1544302       |
| Packing unit                         | 28 pc         |
| Minimum order quantity               | 28 pc         |
| Sales key                            | DN20          |
| Product key                          | DNN116        |
| GTIN                                 | 4067923016675 |
| Weight per piece (including packing) | 194 g         |
| Weight per piece (excluding packing) | 193 g         |
| Customs tariff number                | 85176200      |
| Country of origin                    | TW            |

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## Technical data

### Dimensions

|        |         |
|--------|---------|
| Width  | 22.5 mm |
| Height | 117 mm  |
| Depth  | 84 mm   |

### Notes

#### Utilization restriction

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

### Material specifications

|                  |                                |
|------------------|--------------------------------|
| Housing material | Polycarbonate fiber reinforced |
|------------------|--------------------------------|

### Interfaces

#### Ethernet (RJ45)

|                               |                                   |
|-------------------------------|-----------------------------------|
| Number of interfaces          | 5                                 |
| 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 (per segment)               |
| Signal LEDs                   | Data receive, link status         |
| No. of channels               | 5 (RJ45 ports)                    |

### Product properties

|                |                       |
|----------------|-----------------------|
| Product type   | Switch                |
| Product family | Unmanaged Switch 1000 |

#### Switch functions

|                   |    |
|-------------------|----|
| MAC address table | 2k |
|-------------------|----|

### Electrical properties

|                     |        |
|---------------------|--------|
| Transmission medium | Copper |
|---------------------|--------|

#### Supply

|                         |  |
|-------------------------|--|
| Power supply connection | Via COMBICON, max. conductor cross-section 2.5 mm <sup>2</sup> |
|-------------------------|--|

### Environmental and real-life conditions

#### Ambient conditions

|                                 |  |
|---------------------------------|--|
| Degree of protection            | IP30                                   |
| Ambient temperature (operation) | -10 °C ... 60 °C                       |
| Vibration (operation)           | in acc. with IEC 60068-2-6: 5g, 150 Hz |

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## Standards and regulations

|   |                               |
|---|-------------------------------|
| Free from substances that could impair the application of coating | In acc. with VW specification |
|---|-------------------------------|

## EMC data

|                               |   |
|-------------------------------|---|
| Electromagnetic compatibility | Conformance with EMC Directive 2014/30/EU |
|-------------------------------|---|

|                |                   |
|----------------|-------------------|
| Noise immunity | EN 61000-6-2:2005 |
|----------------|-------------------|

## Noise emission

|                       |                             |
|-----------------------|-----------------------------|
| Standards/regulations | EN 61000-6-4:2007 + A1:2011 |
|-----------------------|-----------------------------|

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## Approvals

🔗 To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1544302>

### TEC

Approval ID: MTCTE:379403535

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## Classifications

### ECLASS

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

### ETIM

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

### UNSPSC

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

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## Environmental product compliance

### EU RoHS

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

### China RoHS

|  |   |
|--|---|
| Environment friendly use period (EFUP) | EFUP-50   |
|  | 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                                | 0eff7212-59ba-4fba-bfa3-90d31d6c0b73 |

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