

## Part Number: PTN-SMART-SFP-STM-1/OC-3

Smart SFP to transport STM-1/OC-3 transparent (S1 Optic) for DRAGON-PTN



### Product Description

Smart SFP to transport STM-1/OC-3 transparent (S1 Optic) for DRAGON-PTN

### Technical Specifications

#### Product description

|                         |   |
|-------------------------|---|
| Type:                   | PTN-SMART-SFP-STM-1/OC-3, Smart SFP                                     |
| Description:            | Smart SFP to transport STM-1/OC-3 transparent (S1 Optic) for Dragon-PTN |
| Part Number:            | 942 245-030   |
| Port type and quantity: | 1 x 155,52 Mbit/s with LC connector                                     |

#### Network size - length of cable

|                                  |   |
|----------------------------------|---|
| Single mode fiber (SM) 9/125 µm: | 2.5 - 15 km (Link Budget at 1310 nm = 1 - 13 dB; A = 0.4 dB/km; D = 3.5 ps/(nm*km)) |
|----------------------------------|---|

#### Power requirements

|                    |                           |
|--------------------|---------------------------|
| Operating Voltage: | power supply via the node |
| Power consumption: | 1 W                       |

#### Software

|              |   |
|--------------|---|
| Diagnostics: | Optical input and output power, transceiver temperature |
|--------------|---|

#### Ambient conditions

|                                     |           |
|-------------------------------------|-----------|
| Operating temperature:              | -30+60 °C |
| Storage/transport temperature:      | -30+75 °C |
| Relative humidity (non-condensing): | 5-95 %    |

#### Mechanical construction

|                     |                       |
|---------------------|-----------------------|
| Dimensions (WxHxD): | 20 mm x 18 mm x 50 mm |
| Weight:             | 40 g                  |
| Mounting:           | SFP slot              |
| Protection class:   | IP20                  |

#### Mechanical stability

|                          |  |
|--------------------------|--|
| IEC 60068-2-6 vibration: | 3.5 mm, 3 Hz-9 Hz, 10 cycles, 1 octave/min.; 1 g, 9 Hz-150 Hz, 20 cycles, 1 octave/min |
| IEC 60068-2-27 shock:    | 15 g, 11 ms duration, 18 shocks  |

#### EMC interference immunity

|   |   |
|---|---|
| EN 61000-4-2 electrostatic discharge (ESD): | 8 kV contact discharge, 15 kV air discharge                     |
| EN 61000-4-3 electromagnetic field:         | 35 V/m (80-3800 MHz)  |
| EN 61000-4-4 fast transients (burst):       | 2 kV power line, 1 kV data line                                 |
| EN 61000-4-5 surge voltage:                 | power line: 2 kV (line/earth), 1 kV (line/line), 1 kV data line |
| EN 61000-4-6 Conducted Immunity:            | 3 V (10 kHz-150 kHz), 10 V (150 kHz-80 MHz)                     |

## EMC emitted immunity

|                    |                            |
|--------------------|----------------------------|
| EN 55022:          | EN 55022 Class B           |
| FCC CFR47 Part 15: | FCC 47CFR Part 15, Class B |

## Approvals

|   |         |
|---|---------|
| Safety of information technology equipment: | EN60950 |
|---|---------|

## Scope of delivery and accessories

|                    |            |
|--------------------|------------|
| Scope of delivery: | SFP module |
|--------------------|------------|

## Variants

| Item #    | Type                                |
|-----------|-------------------------------------|
| 942245030 | PTN-SMART-SFP-STM-1/OC-3, Smart SFP |

|                      |   |
|----------------------|---|
| Update and Revision: | Revision Number: 0.10 Revision Date: 05-10-2019 |
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