FISCHER FIBEROPTIC SERIES

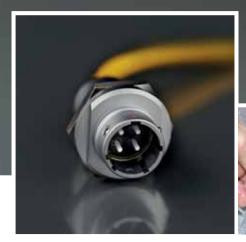
# ROBUST OPTICAL PERFORMANCE EASY CLEANING



A rugged solution ideal for :

- Faultless optic performance
- Indoor, outdoor and extreme applications
- Up to IP67 (unmated) / IP68 (mated)
- Easy field cleaning









THE RELIABLE EXPERT

# PRODUCTS RANGE

## BODY STYLES

P01 Push-pull

IP67 / IP68

Standard

**PLUGS** 

CABLE MOUNTED

Design

CABLE

MOUNTED

**BODY STYLES** 

RECEPTACLES

Locking system Sealing up to



#### FISCHER FIBEROPTIC SERIES



- The best of butt-joint optical performance, Singlemode (APC/UPC) and Multimode (UPC)
- Quick and easy field cleaning, up to IP67 (unmated) / IP68 (mated)
- Removable mono-block mate adapter

#### FISCHER FIBEROPTIC HYBRID



- Combines power and data
- Up to 400V and 10 Amps
- Quick and easy field cleaning, up to IP67 (unmated) / IP68 (mated)

### TECHNICAL DATA

#### Characteristic Performance Standard Insertion loss SM and MM ≤0.20 dB mean IEC 61300-3-34 Random mated ≤0.45 dB max for >97% of samples IEC 61300-3-3 ≤0.2 dB change during and after testing SM UPC **Return loss** ≥50 dB IEC 61300-3-6 Random mated SM APC ≥70 dB (mated) and ≥50 dB (unmated) IEC 60529 Sealing mated Up to IP68; 2m submersion for 24 hours Up to IP67 IEC 60529 Sealing unmated Electrical contact count (hybrid only) 2 contacts, ground by shell Current rating (hybrid only) 10 [A] 1) IEC 60512-5-2-5b Rated voltage (hybrid only) 400 [V] r.m.s. 2) 3) EIA-364-20-B

<sup>1)</sup> Recommended max. operating current at 40°C temperature rise.

<sup>2)</sup> Recommended operating voltage at sea leavel measured according to IEC 60664-1. This rated voltage is a general purpose guideline where no other electrical standard applies. In case where other standard rule a specific use of the connector the application-specific safety criteria shall be considered first. This must be evaluated within the framework of equipment engineering. In cases where other calculation methods are preferred, please use the Test voltage to determine the specific operating voltage

<sup>3)</sup> Based on IEC 61984 safety requirements, Fischer Connectors SA recommends that, for operating voltage > 50V, power should not be used without integration of an active security system. Please contact us for further information





BODY STYLES	R50
Sealing up to	IP67 / IP68
Design	Standard

PANEL FRONT MOUNTED



**BODY STYLES** R03 Sealing up to IP67 / IP68 Design Circular flange

R13 IP67 / IP68 Square flange

**PANEL REAR** 



R01

**BODY STYLES** Sealing up to IP67 / IP68 Design Circular flange

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