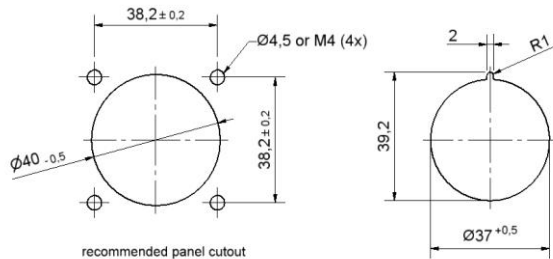


Heavy Duty 1000 Connectivity system



Connector with leather



All dimensions are in mm; tolerances acc. ISO 2768 m-H

Properties

Heavy Duty 1000 is a robust is for use in industrial or outdoor applications with 12 fibers and optional electrical contacts. Hermaphrodite threaded coupling mechanism – two connectors or a connector and a receptacle can be coupled. Mated or with attached protection cap, the connector is sealed according to EN 60529 IP7. A front removable element with integrated alignment sleeves allows easy cleaning. For additional mechanical protection, a cover made of leather is available.

Interface

No Standard

Material for connectors

Ferrule/alignment : Zirconia ceramic,
 Body : POM and flash white bronze plated Brass
 Sealing elements: Silicon Rubber

Optical contacts(ferrules)

12 X Ø2.5 mm (APC possible)

Optical data

Insertion Loss :	Typical	max.
	0.30 dB	0.60 dB
Return Loss :	S/M	≥ 45 dB(PC) ≥ 65 dB(APC)
	M/M	≥ 20 dB

Mechanical data

Mating cycle ≥ 1000

Environmental data

Operation temperature range -40°C to +85°C
 Storage temperature range -40°C to +85°C

Limitations are possible due to the used cable type

Vibration	IEC 61300-2-1
Salt mist	IEC 61300-2-26. 30 days
Ingress Protection, mated	EN 60529 IP 67
RoHS	Compliant

Dieses Dokument ist urheberrechtlich geschützt • This document is protected by copyright • Rosenberger OSI GmbH & Co. OHG

Heavy Duty 1000 Connectivity system

Suitable cables

Fiber S/M, G652D, G657A1, G657A2
 M/M, 62.5/125µm, 50/125µm OM2, OM3 and OM4
 Round Cable Types : Ø 6 – 16 mm(Breakout or Loose Tube)
 Receptacle cords: Simplex cable Ø 1.7 or 2.1mm

Receptacle

Rectangular flange □ 50 mm or Jam nut receptacle Ø 37 mm.

Packaging

Standard Packaging.

Dieses Dokument ist urheberrechtlich geschützt • This document is protected by copyright • Rosenberger OSI GmbH & Co. OHG

While the information has been carefully compiled to the best of our knowledge, nothing is intended as representation or warranty on our part and no statement herein shall be construed as recommendation to infringe existing patents. In the effort to improve our products, we reserve the right to make changes judged to be necessary.

Draft	Date	Approved	Date	Rev.	Engineering change number	Name	Date
Y. Zhang	16.05.2017	H. Jungbäck	16.05.2017	004	---	Y. Zhang	06.12.2017