

ODC[®] - 4 outdoor connector plug/socket



Features

- 4 fibers, singlemode or multimode
- Compact design with 4 x 1.25 mm ferrules
- Built-in socket with square or hexagonal flange
- Extension connector for cable chaining
- Screwed locking mechanism
- Easy and safe installation
- Waterproof, dust proof and corrosion resistant
- Waterproof protection caps available
- EMI protected
- RoHs compliant
- Full compatibility with previous version
- Fulfills performance standard IEC 61753-1 Cat. E

Specifications

Technology		full ceramic ferrule and sleeve
Housing material		nickel-plated brass
Mechanical performance	ODC-4 plug	≤ 800 N tensile load ≤ 30 N static side load
	ODC-4 socket	≤ 30 N static side load
Installation torque force	min. 1 Nm	max. 2 Nm
Operating temperature ¹⁾	IEC 61300-2-22	- 40 °C to + 85 °C
Mating durability		1000 cycles ²⁾
Ingress protection (mated)	IEC 60529	IP 68
Salt mist	IEC 61300-2-26	30 days passed
Vibration	IEC 61300-2-1	passed 10 Hz - 500 Hz / 10 g
Shock	IEC 61300-2-9	passed 100 g

¹⁾ depending on cable type

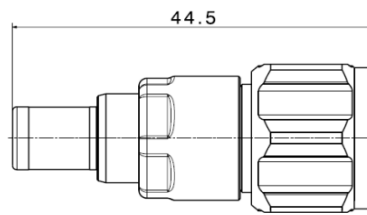
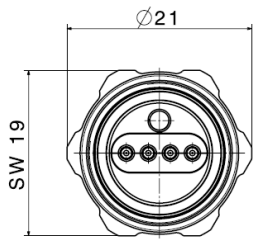
²⁾ with repeated cleaning

Optical performance

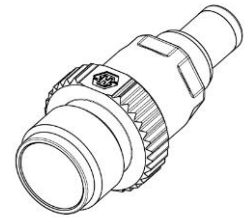
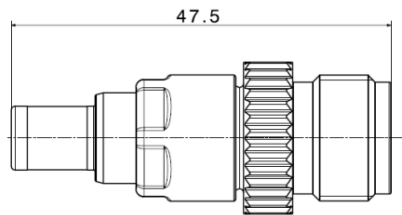
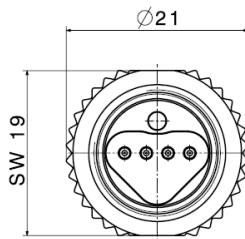
Insertion loss IEC 61300-3-34	singlemode	typ. ≤ 0.20 dB	97 % ≤ 0.45 dB
	multimode	typ. ≤ 0.20 dB	97 % ≤ 0.50 dB
Return loss	singlemode	≥ 50 dB	

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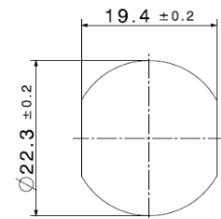
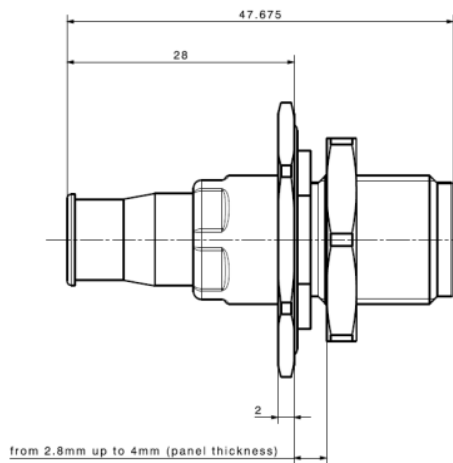
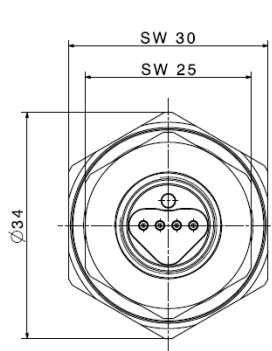
Type ODP1, ODP2: ODC-4 plug



Type ODE1, ODE2: ODC-4 extension

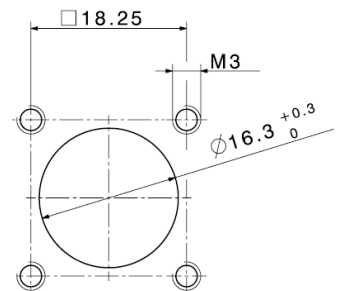
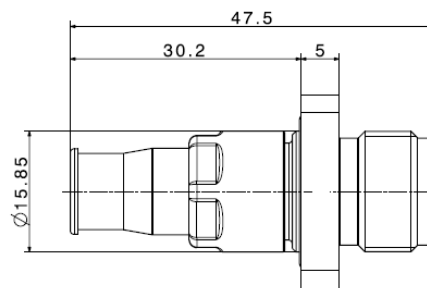
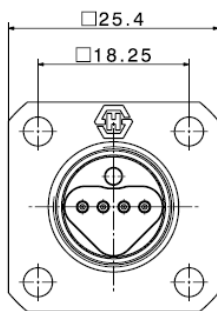


Type ODR1, ODR2: ODC-4 socket - hexagonal



Type QI, QJ, QM, QN: Q-ODC socket hexagonal

hole pattern



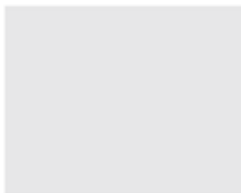
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Overview of ODC-4 connector types

Type	Type new	Connector	Dust cap
J2	ODP1	 ODC-4 plug	screwed cap with pulling feature  IP68
J3	ODP2		screwed cap with chain  IP68
E4	ODE1	 ODC-4 extension (socket type)	screwed cap  IP68
E6	ODE2		screwed cap with chain  IP68
K2	ODR1	 ODC-4 socket, hexagonal	screwed cap  IP68
K3	ODR2		screwed cap with chain  IP68
K6	ODS1	 ODC-4 socket, square small	screwed cap  IP68
K7	ODS2		screwed cap with chain  IP68

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