



FISCHER FREEDOM™ SERIES FISCHER LP360™ CONNECTORS

EASY MATING
FULLY CLEANABLE
LOW PROFILE

4-7 CONTACTS

- No key code, 360° mating freedom
- Blind-mate, non-magnetic quick-release locking
- Fully cleanable, plug and receptacle
- Easy integration, MOLLE compatible
- IP68 sealed to 20m/24h



PLUG & USE



REIMAGINING CONNECTIVITY
TOGETHER

fischer[®]
CONNECTORS

AVAILABLE SIZES 1:1*

BODY STYLES

08 (4 contacts)



14 (7 contacts)



14 (7 contacts)



*Actual size 1:1 when printed at full size on A4 paper.

PLUGS

CABLE MOUNTED

BODY STYLE

	FLP01	FLP01
Locking system	Quick-release	Quick-release
Sealing	IP67	IP68
Size	8	14
Contact	4	7
Housing material	Plastic	Metal

PANEL FRONT MOUNTED

BODY STYLE

	FLP03	FLP03
Locking system	Quick-release	Quick-release
Sealing	IP68	IP68
Size	08	14
Contact	4	7
Housing material	Metal	Metal

RECEPTACLES

CABLE MOUNTED

BODY STYLE

	FLR50
Sealing	IP68
Size	14
Contact	7
Housing material	Metal

PANEL REAR MOUNTED

BODY STYLE

	FLR01	FLR01
Sealing	IP67 / IP68	IP68
Size	08	14
Contact	4	7
Housing material	Plastic/Metal	Metal

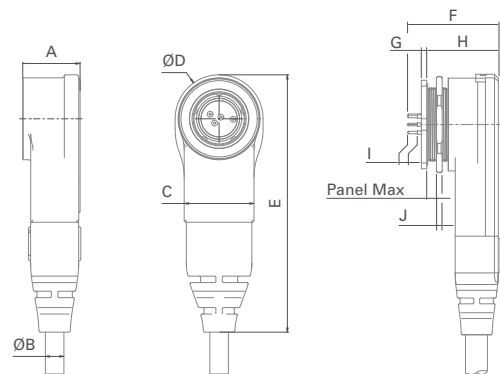
TECHNICAL DIMENSIONS

PLUG FLP01

SIZE 08 – PLASTIC



SIZE 14 – METAL



Size	A	ØB	C	ØD	E	Panel Max	F	G	H	I	J	Weight (without cable)
08 Plastic	13.3	4.8	16.2	20.4	59.7	3.0	23.8	2.2	18.9	2.5	2.0	15.8 g
14 Metal	13.0	5.4	15.6	25.4	67.4	3.0	23.4	1.4	18.5	2.5	1.5	44.5 g

Note: Plug is only available pre-cabled with a standard cable length (1m). Contact sales for customized solutions.

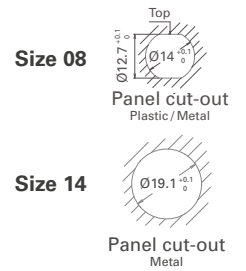
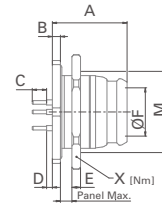
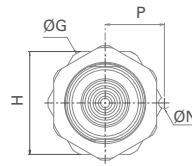
TECHNICAL DIMENSIONS



RECEPTACLE FLR01

SIZE 08 – PLASTIC

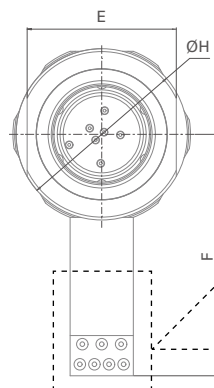
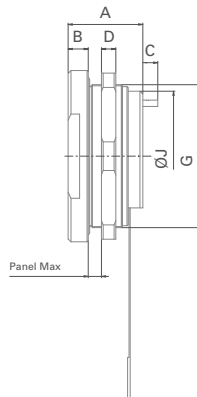
SIZE 08/14 – METAL



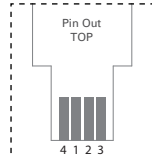
Size	A	B	C	D	Panel Max	E	ØF	ØG	H	M	ØN	P	X	Weight
08 Plastic	13.8	2.2	2.5	0.2	3.0	2.0	8.0	19.9	17.9	M14X0.5	2.0	10.3	1.5-2.0	3.3 g
08 Metal	13.0	1.4	2.5	1.0	3.0	1.5	8.0	19.9	17.9	M14X0.5	2.0	10.3	2.0-4.0	7.5 g
14 Metal	13.0	1.4	2.5	1.0	3.0	1.5	14.0	24.9	22.9	M19X0.5	2.5	12.8	2.0-4.0	15.2 g

PLUG FLP03

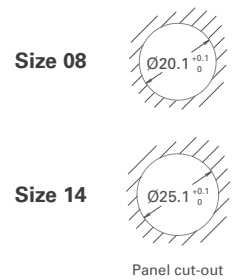
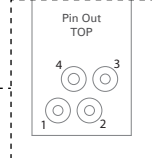
SIZE 08/14 – METAL



Flex Print ZIF



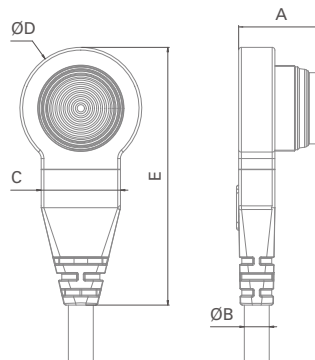
Flex Print Solder



Size	A	B	C	D	E	Panel Max	F	G	ØH	ØJ	Weight
08 Metal	13.0	3.5	2.7	2.5	21.0	3.7	42.0	M20X0.5	25.0	17.6	20.5 g
14 Metal	13.0	3.5	2.7	2.5	26.0	3.7	42.0	M25X0.5	30.0	22.6	32.6 g

RECEPTACLE FLR50

SIZE 14 – METAL



Size	A	ØB Max	C	ØD	E	Weight (without cable)
14 Metal	18.9	5.5	17.5	26.9	56.9	25.0 g

Note: Receptacle is only available pre-cabled with a standard cable length (0.5m). Contact sales for customized solutions.



MATERIAL & SURFACE FINISH

SIZE 08 – PLASTIC



- 1 Bend relief – TPE
- 2 Locking – Stainless Steel
- 3 Housing – PEEK Black
- 4 Tracks – Cu Alloy
- 5 Housing – PEEK Black
- 6 Nut – PEEK Black
- 7 Pins – Brass / Gold Plated

SIZE 14 – METAL



- 1 Bend relief – TPE
- 2 Locking – Stainless Steel
- 3 Housing – Brass Anthracite Nickel
- 4 Tracks – Cu Alloy
- 5 Housing – Stainless Steel
- 6 Nut – Brass Anthracite Nickel
- 7 Pins – Brass / Gold Plated
- 8 Housing – Aluminum Anthracite Nickel

ENVIRONMENTAL, MECHANICAL & ELECTRICAL DATA

Characteristic	Size 08 – Plastic	Size 14 – Metal	Standard
	Performance	Performance	
Sealing Mated condition/with cap Plug without cap Receptacle without cap	IP67, 0.2m / 30min IP67, 0.2m / 30min IP67, 0.2m / 30min	IP68, 20m / 24h IP67, 0.2m / 30min IP68, 20m / 24h	IEC 60529, MIL-STD-810 Method 512.6
Operating temperature range (connectors only)	-40 °C to +85 °C	-55 °C to +135 °C	MIL-STD-810 Method 501.6 and 502.6
Corrosion resistance mated	Salt mist 1,000h Connectors in mated condition.	Salt mist 1,000h ¹⁾ Connectors in mated condition.	MIL-STD-810 Method 509.6
Mechanical endurance	5,000 mating cycles/ 2,500 rotations ²⁾	10,000 mating cycles/ 5,000 rotations ²⁾	IEC 60512-9-1
Random vibration	9.26 G rms	9.26 G rms	MIL-STD-202 Method 214 Condition I
Unmating force	Typical 24 N	Typical 40 N	IEC 60512-13-1
Shock	30 G	30 G	MIL-STD-202 Method 213 Condition J
Max. current rating	2x 5A power and 2x 1A signal	3x 5A power and 4x 1A signal	IEC 60512-5-2-5b
Max. wire size	Up to 24AWG	Up to 24AWG	-
Data protocols	USB2.0 and Ethernet	USB2.0 and Ethernet	-

¹⁾ Exception: 48h for FLR50

²⁾ 180° rotation considered per mating within the mating cycle test

ACCESSORIES

- Soft caps
- Straight bend relief



ACTIVE DEVICES



For more information visit
fischerconnectors.com/lp360