

Series S

Technical Characteristics

Mechanical and Climatical

Characteristics	Value	Standard
Endurance	> 5000 cycles	IEC 60512-5 test 9a
Humidity	up to 95% at 60° C	
Temperature range	- 55° C, +250° C	
Resistance to vibration	10-2000 Hz, 15 g	IEC 60512-4 test 6d
Shock resistance	100 g, 6 ms	IEC 60512-4 test 6c
Salt spray corrosion test	> 144h	IEC 60512-6 test 11f
Protection index (mated)	IP50	IEC 60529
Climatical category	55/175/21	IEC 60068-1

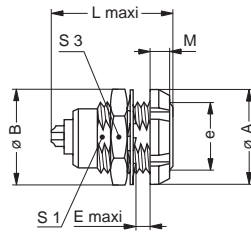
Metal housing models

Electrical

Characteristics	Value	Standard
Shielding efficiency	at 10 MHz	> 75 dB
	at 1 GHz	> 40 dB
		IEC 60169-1-3
		IEC 60169-1-3

Note:

the various tests have been carried out with FGG and EGG connector pairs, with chrome-plated brass shell and PEEK insulator.

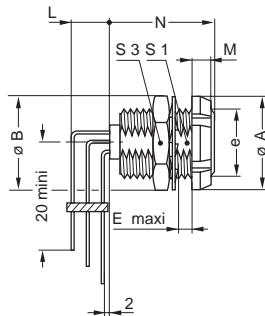


ERD Fixed socket with two nuts (back panel mounting)

Reference		Dimensions (mm)									
Model	Series	A	B	e	E	L	L ¹⁾	M	S1	S3	
ERD	0S	12	12.4	M9x0.6	5.5	17.5	18.0	2.5	8.2	11	
ERD	1S	16	15.8	M12x1.0	6.0	20.2	20.5	3.5	10.5	14	
ERD	2S	20	19.2	M15x1.0	6.5	24.5	23.5	3.5	13.5	17	

Note: ¹⁾ unipole model.

ECP Fixed socket with two nuts, long threaded shell, with elbow (90°) contacts for printed circuit (back panel mounting)



Reference		Dimensions (mm)							
Model	Series	A	B	e	E	M	N	S1	S3
ECP	0S	12	12.4	M9x0.6	8.5	2.5	15.0	8.2	11
ECP	1S	16	15.8	M12x1.0	10.0	3.5	17.5	10.5	14
ECP	2S	20	19.2	M15x1.0	11.0	3.5	20.0	13.5	17

Note: this contact type is available for all back panel mounting socket types.

Order information S

FA A - 1 S - 304 - C L A C 32 Z

1 2 3 4 5 6 7 8 9 10 11

1. Model: F — plug; E — cable receptacle; H — waterproof receptacle;
P — receptacle; X — receptacle PCB soldering
2. Key
3. Size
4. Series
5. Number of contacts: 306 - 4 contacts
6. Body material: C — chromium-plate brass
7. Insulator material: L — PEEK; Y — PEEK, long insulator, crimp
8. Type of pin: L — pin; A — socket, solder; M — socket, crimp;
Y — socket, crimp; V — socket, elbow print
9. Collet mechanism: C — collet for S socket
10. Collet diameter: 32 — 3,2mm
11. Z - shock absorber for cable, option