



*Image for illustrative purpose only*

## Summary

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Number of contacts Low Voltage	10
Gender	Reverse Gender
Socket / Receptacle	Socket / Receptacle - Fixed Panel Rear Mounted
Locking system	Push-pull
Size	2F
Suggested matching part	<a href="#">FGS.2F.310.XLM</a>
Series	F - Rugged Push-Pull

[https://www.lemo.com/int\\_en/solutions/optima/f-rugged-push-pull/hes-2f-310-xldp.html](https://www.lemo.com/int_en/solutions/optima/f-rugged-push-pull/hes-2f-310-xldp.html)

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# Technical details

## Electrical Configuration

Contact Termination Low voltage	PCB - Straight
Insert configuration value	2F.310 - 10 Low Voltage
Insulator	L: PEEK (UL 94 / V-0/1.5)
Rated current	8 A
Vtest (contact-contact)	1800 V (AC), 2550 V (DC)
Vtest (contact-shell)	2100 V (AC), 2970 V (DC)
Contact Type	Print (straight)
Contact Dia.	0.9
Number of contacts Low Voltage	10
Gender	Reverse Gender

## Form & Material

Shell style / Model id	HE - Fixed receptacle, nut fixing, for printed circuit (back panel mounting)
Socket / Receptacle	Fixed Panel Rear Mounted
Housing material	Aluminium (nickel plated [SAE AMS QQ N 290], anthracite color) shell and nut, other pieces bronze/brass
Locking system	Push-pull
Keying	3 keys (beta=155, gamma=50, plug: female contacts, receptacle: male contacts)
Colour	Grey
Variant	Watertight unmated (connector to device)
Weight	8.37 g

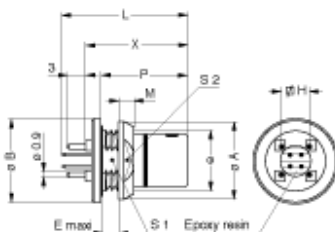
[https://www.lemo.com/int\\_en/solutions/optima/f-rugged-push-pull/hes-2f-310-xldp.html](https://www.lemo.com/int_en/solutions/optima/f-rugged-push-pull/hes-2f-310-xldp.html)

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## Environment

Technical domain	Motorsport, Security and Defence
Environmental sealing (IP rating)	IP68
Endurance	1000 mating cycles
Temperature range	-15°C / +100°C
Climatical Category	15/200/21 (Aluminium shell)
Humidity (max)	<=95% [at 60 deg C /140 F]
Shock Resistance	100 g [ 6 ms]
Vibration	15 g [10 Hz - 2000 Hz]
Pressure	5 bars
Salt Spray Corrosion	max. 48 hr

## Drawings



## Dimensions

	<b>A</b>	<b>B</b>	<b>e</b>	<b>E</b>	<b>H</b>	<b>L</b>	<b>M</b>	<b>P</b>	<b>S1</b>	<b>S2</b>	<b>X</b>
mm.	20	20	M16x1.0	3	8.89	21.5	4	14.5	14.5	17	17.5
in.	0.79	0.79		0.12	0.35	0.85	0.16	0.57	0.57	0.67	0.69

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