



## Summary

[Request a quote](#)

[Catalog](#)

Low Voltage	19
Gender	Standard
Socket / Receptacle	Socket / Receptacle - Fixed Panel Rear Mounted
Locking system	Push-pull
Size	2F
Matching parts	<a href="#">FGN.2F.319.XLC</a>
Series	F - Rugged Push-Pull

## Technical details

[https://www.lemo.com/int\\_en/solutions/optima/f-rugged-push-pull/hen-2f-319-xlnp.html](https://www.lemo.com/int_en/solutions/optima/f-rugged-push-pull/hen-2f-319-xlnp.html)

LEMO products and services are provided "as is". LEMO makes no warranties or representations with regard to LEMO product & services or use of them, express, implied or statutory, including for accuracy, completeness, or security. The user is fully responsible for his products and applications using LEMO components.

## Electrical Configuration

Contact Termination Low voltage	PCB - Straight
R (max)	6.1 mOhm
Insert configuration value	2F.319 - 19 Low Voltage
Insulator	L: PEEK (UL 94 / V-0/1.5)
Rated current	5 Amps
Vtest (contact-contact)	1550 V (AC), 2200 V (DC)
Vtest (contact-shell)	1650 V (AC), 2350 V (DC)
Contact Type	Print (straight)
Contact Dia.	0.7 mm (0.028in)
Low Voltage	19
Gender	Standard

## 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=165, gamma=30, plug: male contacts, receptacle: female contacts)
Variant	Watertight unmated (connector to device)
Weight	9.58 g

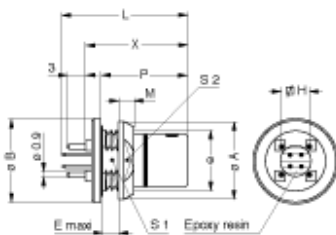
## Environment

Technical domain	Motorsport, Security and Defence
Environmental protection (IP rating)	IP68
Minimal temperature	-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

[https://www.lemo.com/int\\_en/solutions/optima/f-rugged-push-pull/hen-2f-319-xlnp.html](https://www.lemo.com/int_en/solutions/optima/f-rugged-push-pull/hen-2f-319-xlnp.html)

LEMO products and services are provided "as is". LEMO makes no warranties or representations with regard to LEMO product & services or use of them, express, implied or statutory, including for accuracy, completeness, or security. The user is fully responsible for his products and applications using LEMO components.

# 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

[https://www.lemo.com/int\\_en/solutions/optima/f-rugged-push-pull/hen-2f-319-xlnp.html](https://www.lemo.com/int_en/solutions/optima/f-rugged-push-pull/hen-2f-319-xlnp.html)

LEMO products and services are provided "as is". LEMO makes no warranties or representations with regard to LEMO product & services or use of them, express, implied or statutory, including for accuracy, completeness, or security. The user is fully responsible for his products and applications using LEMO components.