



Image for illustrative purpose only

Summary

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[f series](#)

| | |
|------------------------------------|--|
| Number of contacts Low Voltage | 5 |
| Wire Size/AWG | 30 - 22 |
| Gender | Standard |
| Socket / Receptacle | Socket / Receptacle - Fixed Panel Rear Mounted |
| Locking system | Push-pull |
| Jacket cable outside diameter [mm] | 3.80 - 9.00 mm |
| Size | 0F |
| Series | F - Rugged Push-Pull |

https://www.lemo.com/int_en/solutions/optima/f-rugged-push-pull/hen-0f-305-xllp.html

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Technical details

Electrical Configuration

| | |
|---------------------------------|-------------------------------|
| Number of contacts Low Voltage | 5 |
| Contact Termination Low voltage | Solder |
| R (max) | 6.1 mOhm |
| Insert configuration value | 0F.305 - 5 Low Voltage |
| Insulator | L: PEEK (UL 94 / V-0/1.5) |
| Rated current | 6.5 A |
| Max. Solid Conductor | 0.34 mm ² (AWG 22) |
| Max. Stranded Conductor | 0.34 mm ² (AWG 22) |
| Bucket Dia. | 0.8 mm (0.031in) |
| Contact Dia. | 0.7 mm (0.028in) |
| Wire Size/AWG | 30 - 22 |
| 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) |
| Colour | Grey |
| Variant | Watertight unmated (connector to device) |
| Weight | 3.38 g |

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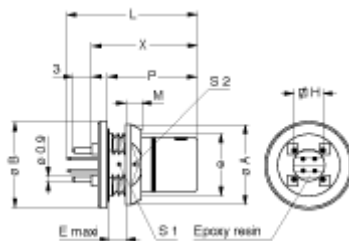
Environment

| | |
|-----------------------------------|----------------------------------|
| Technical domain | Motorsport, Security and Defence |
| Environmental sealing (IP rating) | IP68 |
| Endurance | 1000 mating cycles |
| Temperature range | -15°C / +100°C |
| Climatic 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 |

Cable fixation

| | |
|------------------------------------|----------------|
| Jacket cable outside diameter [mm] | 3.80 - 9.00 mm |
|------------------------------------|----------------|

Drawings



Dimensions

| | A | B | e | E | H | L | M | P | S1 | S2 | X |
|-----|------|------|----------|------|------|------|-----|------|------|------|------|
| mm. | 13 | 14 | M10x0.75 | 3 | 5.08 | 21.5 | 2.5 | 14.5 | 9 | 11 | 17.5 |
| in. | 0.51 | 0.55 | | 0.12 | 0.2 | 0.85 | 0.1 | 0.57 | 0.35 | 0.43 | 0.69 |

Recommended By Lemo









Accessories

| | |
|----------------|--------------------------------|
| Compatible cap | BRE.0F.200.XAV |
|----------------|--------------------------------|

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Cables

| Cable PartNumber | Material | Colour | Cable image |
|--------------------|---------------|--------|---|
| CMN.05.T22.051QGZE | TPR (medical) | Grey |  |
| CMN.05.T28.029PGCE | PVC | GREY |  |
| CMN.05.T28.029PGZE | | grey |  |
| CMN.05.T28.029PNCE | PVC | Black |  |
| CMN.05.T28.029PNZE | | |  |
| 150250 | PVC | Grey |  |
| 50090 | PVC | Black | |
| 50140 | PVC | Grey |  |
| 5050 | PVC | Black |  |

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