

Special



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Summary

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M series

| | |
|--------------------------------|--|
| Number of contacts Low Voltage | 5 |
| Gender | Standard |
| Socket / Receptacle | Socket / Receptacle - Fixed Panel Rear Mounted |
| Locking system | Ratchet |
| Size | 0M |
| Suggested matching part | FGN.0M.305.ILCT |
| Series | M - Rugged Ratchet coupling |

Technical details

Electrical Configuration

| | |
|---------------------------------------|------------------------|
| Number of contacts Low Voltage | 5 |
| Contact Termination Low voltage | PCB - Straight |
| R (max) | 6.1 mOhm |
| Insert configuration value | 0M.305 - 5 Low Voltage |
| Footprint IPC Class3 compatibility | No |
| Insulator | L: PEEK |
| Rated current | 6.5 A |
| Test voltage (kV rms) Contact-contact | 1.25 |
| Test voltage (kV rms) Contact-shell | 1 |
| Contact Dia. | 0.7 mm (0.028in) |
| Gender | Standard |

Form & Material

| | |
|------------------------|--|
| Shell style / Model id | HE - Fixed receptacle, nut fixing for printed circuit, watertight |
| Socket / Receptacle | Fixed Panel Rear Mounted |
| Housing material | Aluminium (NiCorAl Nickel fluorocarbon polymer, anthracite color) shell and nut, other pieces bronze/brass |
| Locking system | Ratchet |
| Keying | 3 keys (beta=165, gamma=30, plug: male contacts, receptacle: female contacts) |
| Colour | Grey |
| Variant | Watertight unmated (connector to device) |
| Weight | 7.97 g |

https://www.lemo.com/int_en/catalog/product/view/id/586929/s/hen-0m-305-ilnp/category/56/

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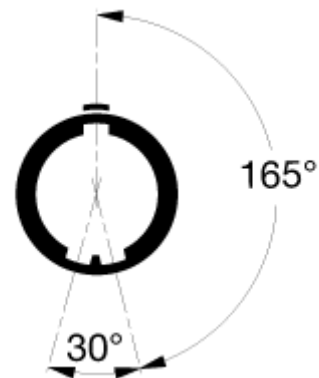
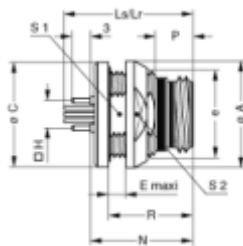
Environment

| | |
|-----------------------------------|---|
| Technical domain | Motorsport, Security and Defence, Transportation, Aerospace and UAV |
| Environmental sealing (IP rating) | IP68 |
| Endurance | 3000 mating cycles |
| Temperature range | -20°C / +80°C |
| EMI Shielding EIA 364-66A | ≥ 80 dB (1 GHz), ≥ 70 dB (3 GHz), ≥ 58 dB (6 GHz), ≥ 40 dB (10 GHz) |
| Gunfire vibration | 25 Hz - 2000 Hz, 3 axis (Apache helicopter) |
| Humidity (max) | 21 days at 95% |
| Lighting strike EIA 364-76 | 10K amps - 6 times |
| Shock Resistance | 300 g [3 ms] |
| Vibration-Random | 37.8 g rms - 3 axes, 4 hr amb [50 Hz - 2000 Hz] |
| Vibration-Sine | 30 g, 3 axes, 12 hr [10 Hz - 2000 Hz] |
| Salt Spray Corrosion | max. 500 hr |

Cable fixation

| | |
|------------------|-----|
| Panel Drill Hole | M13 |
|------------------|-----|

Drawings



Dimensions

| | A | C | e | E | H | Ls | Lr | N | P | R | S1 | S2 |
|-----|------|------|----------|-----|------|------|------|------|------|------|------|------|
| mm. | 17 | 16.8 | M13x0.75 | 5 | 5.08 | 20.8 | 21 | 16.8 | 5.3 | 13.8 | 11.5 | 14 |
| in. | 0.67 | 0.66 | | 0.2 | 0.2 | 0.82 | 0.83 | 0.66 | 0.21 | 0.54 | 0.45 | 0.55 |

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Recommended By Lemo

| Tools | |
|----------------|-------------------------------|
| Spanner 2 | DCM.65.140.AZ |
| Spanner wrench | DCM.65.140.AZ |

CAD

| Documents | |
|-----------|--------------------------|
| PCB | Download |