PMN.1M.307.XLM





Image for illustrative purpose only

Summary

Request a quote

| Catalog | |
|------------------------------------|-----------------------------|
| Number of contacts Low Voltage | 7 |
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| Wire Size/AWG | 26 - 22 |
| Gender | Standard |
| Socket / Receptacle | Socket / Receptacle - Free |
| Locking system | Ratchet |
| Jacket cable outside diameter [mm] | 4.85 - 9.70 mm |
| Size | 1M |
| Suggested matching part | FMN.1M.307.XLC |
| Series | M - Rugged Ratchet coupling |

Technical details

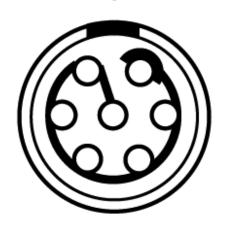
Electrical Configuration

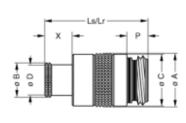
| Number of contacts Low Voltage | 7 |
|---------------------------------------|---|
| Contact Termination Low voltage | Crimp |
| R (max) | 6.1 mOhm |
| Insert configuration value | 1M.307 - 7 Low Voltage |
| Insulator | L: PEEK |
| Rated current | 7 A |
| Test voltage (kV rms) Contact-contact | 1.45 |
| Test voltage (kV rms) Contact-shell | 1.2 |
| Contact retention | 22 N |
| Max. Conductor | 0.34 mm^2 (AWG 22) |
| Min. Conductor | 0.14 mm^2 (AWG 26) |
| Bucket Dia. | 0.8 mm (0.031in) |
| Contact Dia. | 0.7 mm (0.028in) |
| Wire Size/AWG | 26 - 22 |
| Gender | Standard |
| Form & Material | |
| Shell style / Model id | PM - Free receptacle with knurled grip |
| Socket / Receptacle | Free |
| Housing material | Aluminium (nickel plated [SAE AMS QQ N 290], anthracite color) shell and nut, other pieces bronze/brass |
| Locking system | Ratchet |
| Keying | N: 3 keys (beta=165, gamma=30, plug: male contacts, receptacle: female contacts) |
| Colour | Grey |
| Weight | 5.43 g |
| | |

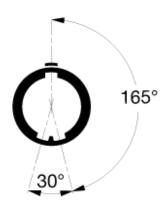
Environment

| Technical domain | Motorsport, Security and Defence, Transportation, Aerospace and UAV | | | |
|------------------------------------|--|--|--|--|
| Environmental sealing (IP rating) | IP68 | | | |
| Endurance | 3000 mating cycles | | | |
| Temperature range | -20°C / +200°C (max. temperature valid for short periods of use.) | | | |
| 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] | | | |
| Thermal shock | 5 cycles: -65°C to +150°C | | | |
| 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. 48 hr | | | |
| Cable fixation | | | | |
| Cable termination protection | Heatshrink | | | |
| Fixation type | Heatshrink | | | |
| Jacket cable outside diameter [mm] | 4.85 - 9.70 mm | | | |
| | | | | |

Drawings







Dimensions

| | A | В | С | D | Ls | Lr | Р | X |
|-----|------|------|------|------|------|------|------|------|
| mm. | 14.6 | 10.5 | 14.2 | 9.7 | 25.6 | 25.6 | 5.3 | 6.7 |
| in. | 0.57 | 0.41 | 0.56 | 0.38 | 1.01 | 1.01 | 0.21 | 0.26 |

Recommended By Lemo

Accessories

| Replacement contact | EGN.0M.655.ZZM | | |
|---------------------|-----------------|--|--|
| Compatible cap | BMF.1M.200.XAZ | | |
| Tools | | | |
| Positionner | DCE.91.070.3MVM | | |
| Extraction tool | DCF.93.070.4LT | | |
| Crimp tool | DPC.91.701.V | | |