

Standard



Image for illustrative purpose only

## Summary

[Request a quote](#)

M series

|        |                             |
|--------|-----------------------------|
| Size   | 0M                          |
| Series | M - Rugged Ratchet coupling |

[https://www.lemo.com/int\\_en/solutions/optima/m-ratchet-coupling/bme-0m-200-xaz.html](https://www.lemo.com/int_en/solutions/optima/m-ratchet-coupling/bme-0m-200-xaz.html)

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# Technical details

## Electrical Configuration

|                                    |    |
|------------------------------------|----|
| Footprint IPC Class3 compatibility | No |
|------------------------------------|----|

## Form & Material

|                        |                                                       |
|------------------------|-------------------------------------------------------|
| Shell style / Model id | BME - Blanking cap for fixed receptacle(knurled grip) |
|------------------------|-------------------------------------------------------|

|                  |                                                                                                         |
|------------------|---------------------------------------------------------------------------------------------------------|
| Housing material | Aluminium (nickel plated [SAE AMS QQ N 290], anthracite color) shell and nut, other pieces bronze/brass |
|------------------|---------------------------------------------------------------------------------------------------------|

|        |                                                                               |
|--------|-------------------------------------------------------------------------------|
| Keying | 3 keys (alpha=42, gamma=30, plug: male contacts, receptacle: female contacts) |
|--------|-------------------------------------------------------------------------------|

|        |      |
|--------|------|
| Colour | Grey |
|--------|------|

|        |        |
|--------|--------|
| Weight | 3.89 g |
|--------|--------|

## Environment

|                  |                                                                     |
|------------------|---------------------------------------------------------------------|
| Technical domain | Motorsport, Security and Defence, Transportation, Aerospace and UAV |
|------------------|---------------------------------------------------------------------|

|                                   |      |
|-----------------------------------|------|
| Environmental sealing (IP rating) | IP68 |
|-----------------------------------|------|

|                   |                |
|-------------------|----------------|
| Temperature range | -55°C / +135°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] |
|------------------|---------------|

|               |                           |
|---------------|---------------------------|
| Thermal shock | 5 cycles: -65°C to +150°C |
|---------------|---------------------------|

|                  |                                                 |
|------------------|-------------------------------------------------|
| Vibration-Random | 37.8 g rms - 3 axes, 4 hr amb [50 Hz - 2000 Hz] |
|------------------|-------------------------------------------------|

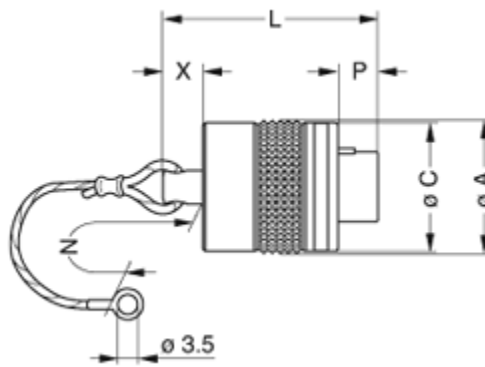
|                |                                       |
|----------------|---------------------------------------|
| Vibration-Sine | 30 g, 3 axes, 12 hr [10 Hz - 2000 Hz] |
|----------------|---------------------------------------|

|                      |            |
|----------------------|------------|
| Salt Spray Corrosion | max. 48 hr |
|----------------------|------------|

# Drawings

[https://www.lemo.com/int\\_en/solutions/optima/m-ratchet-coupling/bme-0m-200-xaz.html](https://www.lemo.com/int_en/solutions/optima/m-ratchet-coupling/bme-0m-200-xaz.html)

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## Dimensions

|     | A    | C    | L    | N    | P    | X    |
|-----|------|------|------|------|------|------|
| mm. | 13.1 | 12.7 | 23.4 | 85   | 3.9  | 6    |
| in. | 0.52 | 0.5  | 0.92 | 3.35 | 0.15 | 0.24 |

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