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Summary

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| | |
|------------------------------------|------------------------------------|
| Gender | Standard |
| Socket / Receptacle | Socket / Receptacle - Free |
| Locking system | Push-pull |
| Jacket cable outside diameter [mm] | 21.60 - 23.50 mm |
| Size | 5B |
| Suggested matching part | FGG.5B.893.CLCD239 |
| Series | B - Indoor keyed |

https://www.lemo.com/int_en/solutions/originals/b-indoor-keyed/phg-5b-893-clmd239.html

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Technical details

Electrical Configuration

| | |
|-----------|---------------------------|
| Insulator | L: PEEK (UL 94 / V-0/1.5) |
|-----------|---------------------------|

| | |
|--------|----------|
| Gender | Standard |
|--------|----------|

Form & Material

| | |
|------------------------|------------------------------------|
| Shell style / Model id | PH - Free receptacle, cable collet |
|------------------------|------------------------------------|

| | |
|---------------------|------|
| Socket / Receptacle | Free |
|---------------------|------|

| | |
|------------------|---|
| Housing material | Brass (chrome plated [SAE AMS 2460]) shell and collet nut, nickel plated [SAE AMS QQ N 290] brass latch sleeve and mid pieces |
|------------------|---|

| | |
|----------------|-----------|
| Locking system | Push-pull |
|----------------|-----------|

| | |
|--------|--|
| Keying | G: 1 key (alpha=0, plug: male contacts, receptacle: female contacts) |
|--------|--|

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

Environment

| | |
|------------------|--|
| Technical domain | Audio Video, Energy and Industrial, Medical, Semiconductor, Specialties and Other, Test and Measurement, Transportation, Aerospace and UAV |
|------------------|--|

| | |
|-----------------------------------|------|
| Environmental sealing (IP rating) | IP50 |
|-----------------------------------|------|

| | |
|-----------|--------------------|
| Endurance | 5000 mating cycles |
|-----------|--------------------|

| | |
|-------------------|----------------|
| Temperature range | -55°C / +250°C |
|-------------------|----------------|

| | |
|---------------------|-----------|
| Climatical Category | 50/175/21 |
|---------------------|-----------|

| | |
|----------------|----------------------------|
| Humidity (max) | <=95% [at 60 deg C /140 F] |
|----------------|----------------------------|

| | |
|-----------------|----------------|
| Shielding (min) | 75 dB (10 MHz) |
|-----------------|----------------|

| | |
|-----------------|---------------|
| Shielding (min) | 40 dB (1 GHz) |
|-----------------|---------------|

| | |
|------------------|---------------|
| Shock Resistance | 100 g [6 ms] |
|------------------|---------------|

| | |
|-----------|------------------------|
| Vibration | 15 g [10 Hz - 2000 Hz] |
|-----------|------------------------|

| | |
|----------------------|----------|
| Salt Spray Corrosion | >1000 hr |
|----------------------|----------|

Cable fixation

| | |
|------------------------------|--|
| Cable termination protection | Standard back nut (no additional protection) |
|------------------------------|--|

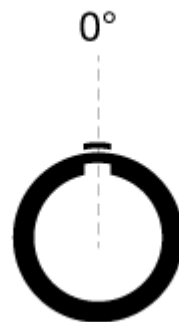
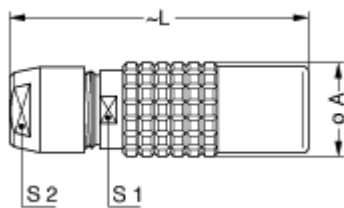
| | |
|---------------|--------------|
| Fixation type | Cable collet |
|---------------|--------------|

| | |
|------------------------------------|------------------|
| Jacket cable outside diameter [mm] | 21.60 - 23.50 mm |
|------------------------------------|------------------|

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Drawings



Dimensions

| | L | A | S1 | S2 |
|-----|----------|----------|-----------|-----------|
| mm. | 99 | 36 | 31 | 30 |
| in. | 3.9 | 1.42 | 1.22 | 1.18 |

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