

[Standard](#)

*Image for illustrative purpose only*

## Summary

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|                                    |                                                |
|------------------------------------|------------------------------------------------|
| Number of contacts Low Voltage     | 6                                              |
| Wire Size/AWG                      | 20 - 18                                        |
| Gender                             | Standard                                       |
| Socket / Receptacle                | Socket / Receptacle - Fixed Panel Rear Mounted |
| Locking system                     | Push-pull                                      |
| Panel Drill Hole                   | M15                                            |
| Jacket cable outside diameter [mm] | 2.00 - 13.60 mm                                |
| Size                               | 2B                                             |
| Suggested matching part            | <a href="#">FGG.2B.306.CYCD72</a>              |

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# Technical details

## Electrical Configuration

|                                         |                              |
|-----------------------------------------|------------------------------|
| Number of contacts Low Voltage          | 6                            |
| Contact Termination Low voltage         | Crimp                        |
| R (max) - electrical contact resistance | 3.6 mOhm                     |
| Insert configuration value              | 2B.306 - 6 Low Voltage       |
| Insulator                               | Y: PEEK for crimp contacts   |
| Rated current                           | 12 A                         |
| Test voltage contact-contact            | 2.9 kV DC                    |
| Test voltage contact-shell              | 3.3 kV DC                    |
| Contact retention                       | 40 N                         |
| Max. Conductor                          | 1 mm <sup>2</sup> (AWG 18)   |
| Min. Conductor                          | 0.5 mm <sup>2</sup> (AWG 20) |
| Bucket Dia.                             | 1.4 mm (0.055 in)            |
| Contact Dia.                            | 1.3 mm (0.051 in)            |
| Wire Size/AWG                           | 20 - 18                      |
| Gender                                  | Standard                     |

## Form & Material

|                        |                                                                                                                               |
|------------------------|-------------------------------------------------------------------------------------------------------------------------------|
| Shell style / Model id | EE - Fixed receptacle, nut fixing (back panel mounting)                                                                       |
| Socket / Receptacle    | Fixed Panel Rear Mounted                                                                                                      |
| 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                                                                                                                          |
| Weight                 | 16.15 g                                                                                                                       |
| Panel Drill Hole       | M15                                                                                                                           |

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## 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 (max. temperature valid for short periods of use.)                                                                          |
| Climatic Category                  | 55/175/21                                                                                                                                  |
| 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                                                                                                                                   |
| <b>Cable fixation</b>              |                                                                                                                                            |
| Jacket cable outside diameter [mm] | 2.00 - 13.60 mm                                                                                                                            |

# Recommended By Lemo

## Contacts

|                     |                                |
|---------------------|--------------------------------|
| Replacement contact | <a href="#">EGG.2B.665.ZZM</a> |
|---------------------|--------------------------------|

## Caps

|                |                                 |
|----------------|---------------------------------|
| Compatible cap | <a href="#">BRE.2S.200.NAS</a>  |
| Cap 2          | <a href="#">BRE.2S.200.NAV</a>  |
| Plastic Cap    | <a href="#">BRA.2B.200.PCSG</a> |
| Soft Cap       | <a href="#">BEZ.2B.200.SCN</a>  |

## Tools

|                 |                                                                         |
|-----------------|-------------------------------------------------------------------------|
| Spanner 2       | <a href="#">DCM.65.176.AZ6</a>                                          |
| Positionner     | <a href="#">DCE.91.132.BVM</a>                                          |
| Extraction tool | <a href="#">DCC.13.15B.LAG</a>                                          |
| Crimp tool      | <a href="#">DPC.91.701.V</a>                                            |
| Spanner wrench  | <a href="#">Socket for torque wrench DCM.65.170.AZ and DCM.2S.M15.6</a> |

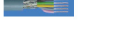
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# Cables

| Cable PartNumber   | Material      | Colour | Cable image                                                                         |
|--------------------|---------------|--------|-------------------------------------------------------------------------------------|
| CMN.06.T18.070PGZE |               | grey   |    |
| CMN.06.T18.070PNZE |               |        |    |
| CMN.06.T20.062PGZE |               | grey   |    |
| CMN.06.T20.062PNZE |               |        |    |
| CMN.06.T20.062QGZE | TPR (medical) | Grey   |    |
| CMN.06.T26.037QGZE | TPR (medical) | Grey   |    |
| CMN.06.T28.031PGCE | PVC           | GREY   |    |
| CMN.06.T28.031PGZE |               | grey   |    |
| CMN.06.T28.031PNCE | PVC           | Black  |    |
| CMN.06.T28.031PNZE |               |        |    |
| CMN.06.T28.042QBCE | TPR (medical) |        |                                                                                     |
| CMN.06.T28.044PGZE |               | grey   |    |
| CMN.06.T28.044PNZE |               |        |    |
| 106220             | PVC           | Black  |  |
| 106240             | PTFE          | White  |  |
| 12080              | PVC           | Grey   |                                                                                     |
| 160140             | PVC           | Grey   |  |
| 160240             | PVC           | Black  |  |
| 160260             | PVC           | Black  |  |
| 260250             | PVC           | Grey   |  |
| 360500             | PVC           | Grey   |  |
| 360750             | PVC           | Grey   |  |
| 60260              | PTFE          | White  |  |
| 6280               | PVC           | Black  |  |

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