

SUMMARY

Wires

| | |
|-------------|---|
| Low voltage | 4 |
|-------------|---|



Image is for illustrative purpose only

| | |
|------------------|-----------------------------------|
| Series | 3B |
| Termination type | Male crimp |
| IP rating | 50 |
| AWG wire size | 16.00 - 12.00 |
| Cable Ø | 0.00 - 0.00 mm |
| Status | active |
| Matching parts | PHG.3B.304.CLLD10 |

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TECHNICAL DETAILS

Mechanics

| | |
|-------------------|---|
| Shell Style/Model | FA*: Fixed plug, non-latching, nut fixing |
| Keying | 1 key (alpha=0, plug: male contacts, receptacle: female contacts) |
| 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 |
| Weight | 36.15 g |

Performance

| | |
|---------------|----------------------------|
| Configuration | 3B.304 : 4 Low Voltage |
| Insulator | Y: PEEK for crimp contacts |
| Rated Current | 19 Amps |

Specifications

| | |
|------------------------|------------------------------|
| Contact Type: | Crimp |
| Contact Retention: | 65 N |
| Contact Dia.: | 2 mm (0.079in) |
| Bucket Dia.: | 2.4 mm (0.094in) |
| Min. Conductor: | 1.5 mm ² (AWG 16) |
| Max. Conductor: | 2.5 mm ² (AWG 12) |
| R (max): | 3.3 mOhm |
| Vtest (contact-shell): | 2200 V (AC), 3110 V (DC) |

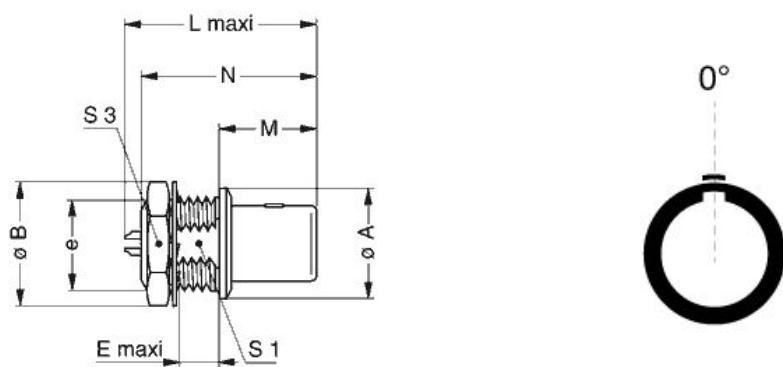
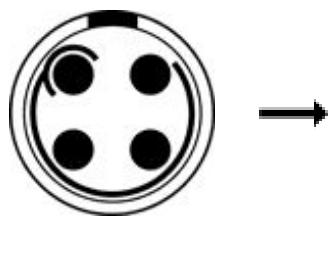
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Vtest (contact-contact): 2500 V (AC), 3540 V (DC)

Others

Endurance (Shell): 5000
Temp (min / max): -55°C / +250°C
Humidity (max): <=95% [at 60 deg C /140 F]
Vibration: 15 g [10 Hz - 2000 Hz]
Shock Resistance: 100 g [6 ms]
Climatical Category: 50/175/21
Shielding (min): 75 dB (10 MHz)
Shielding (min): 40 dB (1 GHz)
Salt Spray Corrosion: >1000 hr

DRAWINGS



Dimensions

| | A | B | E | L | M | N | S1 | S3 | e |
|-----|------|------|------|------|------|------|------|------|---------|
| mm. | 22 | 25.2 | 5.8 | 32.1 | 17 | 30.2 | 16.5 | 22 | M18x1.0 |
| in. | 0,87 | 0,99 | 0,23 | 1,26 | 0,67 | 1,19 | 0,65 | 0,87 | |

RECOMMENDED BY LEMO

Tools

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Crimp Tool: [DPC.91.101.A](#)
 Crimp settings: AWG/Selector = 12-14-16/7-6-5
 Extractor: [DCC.91.202.5LA](#)
 Replacement contact: FGG.3B.575.ZZC

Cables

| | | | |
|--------------------|---------------|-------|---|
| CMN.04.T14.083PGZE | | Grey |  |
| CMN.04.T14.083PNZE | | |  |
| CMN.04.T20.053PGZE | | Grey |  |
| CMN.04.T20.053PNZE | | |  |
| CMN.04.T20.053QGZE | TPR (medical) | Grey |  |
| CMN.04.T22.047QGC | TPR | Grey | |
| CMN.04.T22.048QGZE | TPR (medical) | Grey |  |
| CMN.04.T28.031PGCE | PVC | GREY |  |
| CMN.04.T28.031PGZE | | Grey |  |
| CMN.04.T28.031PNCE | PVC | Black |  |
| CMN.04.T28.031PNZE | | |  |
| CMN.04.T28.031QGC | TPR | Grey | |
| 140240 | PVC | Black |  |
| 140250 | PVC | Grey |  |
| 240500 | PVC | Grey |  |
| 240750 | PVC | Grey |  |
| 340 150 | PVC | Grey |  |
| 40080 | PVC | Black | |
| 40086 | PVC | Blue | |
| 40140 | PVC | Black |  |
| 40240 | PTFE | White |  |
| 40260 | PVC | Black |  |
| 4041 | PVC | Grey |  |
| 4050 | PVC | Black |  |
| 4080 | PVC | Grey | |
| 417920 | PVC | Grey |  |
| 4220 | PVC | Black |  |
| 4221 | PVC | Black |  |
| 4260 | PTFE | White |  |
| 4280 | PVC | Black |  |

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| | | | |
|--------------------|-----|-------|--|
| 80080 | PVC | Grey | |
| 80082 | PVC | Red | |
| 80084 | PVC | Black | |
| CTR.75.030.121870G | PVC | Grey |  |

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