

M12

1200 ...S9 6...

## Cordsets M12



Actuator/sensor cordset, shielded, with overmolded connector

**Cable end 1:**

M12 female, straight, A-coded, IP67, shielding connected via knurled nut

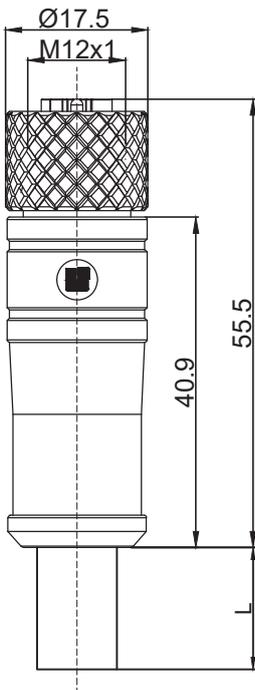
**Cable end 2:**

blunt cut

**Cable:**

PVC, shielded, black

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**Environmental conditions**

Temperature range -25 °C/+80 °C

**Materials**

Insulating body TPU GF, HB according to UL94  
 Contact bush CuZn, pre-nickel and gold-plated  
 Overmolding/handle PVC  
 Knurled nut CuZn, nickel-plated  
 Seal FKM

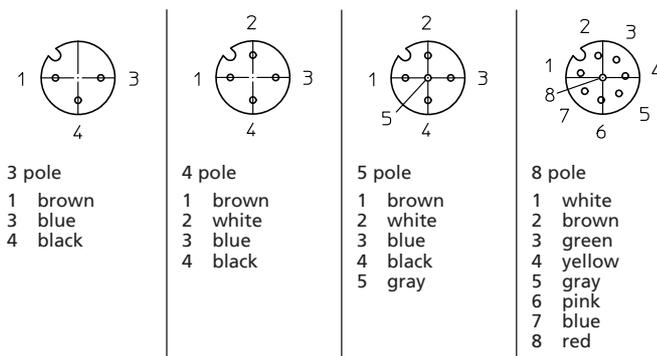
**Mechanical data**

Mating cycles  $\geq 100$   
 Insertion force  $\leq 23$  N (2–5 poles)  
 $\leq 30$  N (6–12 poles)<sup>1</sup>  
 Withdrawal force  $\leq 23$  N (2–5 poles)  
 $\leq 30$  N (6–12 poles)<sup>1</sup>  
 Protection class IP67<sup>2</sup>

<sup>1</sup> measured with a proper counterpart

<sup>2</sup> according to IEC DIN EN 60529, only in locked condition with an appropriate counterpart

**Pin assignments for female M12 connectors, A-coded, front view**



**Connected cable**

Outer jacket PVC, black

**Electrical data (at T<sub>amb</sub> 20 °C)**

Contact resistance  $\leq 5$  mΩ  
 Rated current 4 A (2–5 poles)  
 2 A (6–8 poles)  
 1.5 A (9–12 poles)  
 (T<sub>amb</sub> 40 °C)  
 Rated voltage 250 V (2–4 poles)  
 63 V (5 poles)  
 32 V (6–12 poles)  
 (with pollution degree 3)  
 Rated impulse voltage 2500 V (2–4 poles)  
 1500 V (5 poles)  
 800 V (8–12 poles)  
 Material group I (IEC)/0 (UL) (CTI = 600)  
 Overvoltage category III  
 Insulation resistance > 100 MΩ

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**Associated products**

Counterparts

[🔗 1230 ... T16CW ...](#)

[🔗 1231 ... T9CP](#)

[🔗 1239 ... T0CB](#)

Accessories

[🔗 9912 CPF0](#)

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Designation	Pole Number	Connected Cable	PU (Pieces)	MDQ (Pieces)	Dimensions L (mm)
1200 04S9 604 2m	4	PVC, black, 4 x 0.34 mm <sup>2</sup> (AWG 22), shielded 910604, UL-style 2464	5	10	2000
1200 04S9 604 5m	4	PVC, black, 4 x 0.34 mm <sup>2</sup> (AWG 22), shielded 910604, UL-style 2464	1	10	5000
1200 04S9 604 10m	4	PVC, black, 4 x 0.34 mm <sup>2</sup> (AWG 22), shielded 910604, UL-style 2464	1	10	10000
1200 05S9 605 2m	5	PVC, black, 5 x 0.34 mm <sup>2</sup> (AWG 22), shielded 910605, UL-style 2464	5	10	2000
1200 05S9 605 5m	5	PVC, black, 5 x 0.34 mm <sup>2</sup> (AWG 22), shielded 910605, UL-style 2464	1	10	5000
1200 05S9 605 10m	5	PVC, black, 5 x 0.34 mm <sup>2</sup> (AWG 22), shielded 910605, UL-style 2464	1	10	10000
1200 08S9 608 2m	8	PVC, black, 8 x 0.25 mm <sup>2</sup> (AWG 22), shielded 910608, UL-style 2464	5	10	2000
1200 08S9 608 5m	8	PVC, black, 8 x 0.25 mm <sup>2</sup> (AWG 22), shielded 910608, UL-style 2464	1	10	5000
1200 08S9 608 10m	8	PVC, black, 8 x 0.25 mm <sup>2</sup> (AWG 22), shielded 910608, UL-style 2464	1	10	10000

**Packaging:**  
in a plastic bag