M12 1200 ...L 3...

Cordsets M12

Power cordset with overmolded connector

Cable end 1:

M12 Power female, straight, L-coded, IP67

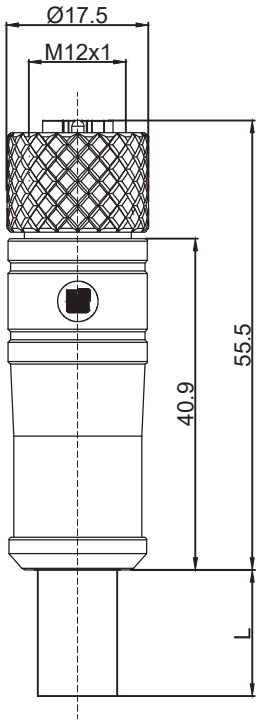
Cable end 2:

blunt cut

Cable:

PUR, black

M12 1200 ...L 3...



Pin assignment for female M12 Power connectors, L-coded

4 pole

1	brown
2	white
3	blue
4	black

5 pole (4 + FE)

1	brown
2	white
3	blue
4	black
FE	pink

Environmental conditions

Temperature range	-40 °C/+90 °C

Materials

Insulating body	PA
Contact	Cu alloy, pre-nickel and gold-plated
Overmolding/handle	TPU[1]
Knurled nut	CuZn, nickel-plated
Seal	NBR

[1] material halogen-free

Mechanical data

Mating cycles	≥ 100
Insertion force	≤ 30 N (2–4 poles) ≤ 45 N (5 poles)[1]
Withdrawal force	≤ 30 N (2–4 poles) ≤ 45 N (5 poles)[1]
Protection class	IP67[2]

[1] measured with a proper counterpart

[2] according to IEC DIN EN 60529, only in locked condition with an appropriate counterpart

Connected cable

Outer jacket	PUR, black

Electrical data (at T_{amb} 20 °C)

Contact resistance	≤ 10 mΩ
Rated current	16 A (T_{amb} 40 °C)
Rated voltage	63 V
Rated impulse voltage	1500 V/60 s
Material group	I (IEC)/0 (UL) (CTI = 600)
Overvoltage category	III
Pollution degree	3
Insulation resistance	> 100 MΩ

Associated products

Counterparts

1210 ...L 3... 1210 1200 ...L 3... 1230 ...L T16CW ...

M12 1200 ...L 3...

Designation	Pole Number	Connected Cable	PU (Pieces)	MDQ (Pieces)	Dimensions L (mm)
1200 05L 332 2m	5 (4 + FE)	PUR, black, 5 x 2.08 mm² (AWG 14), 910332, UL-style 20939	1	10	2000
1200 05L 332 5m	5 (4 + FE)	PUR, black, 5 x 2.08 mm² (AWG 14), 910332, UL-style 20939	1	10	5000
1200 05L 332 10m	5 (4 + FE)	PUR, black, 5 x 2.08 mm² (AWG 14), 910332, UL-style 20939	1	10	10000

Packaging:
in a plastic bag