02 0262

Quicklock circular connectors, IP67

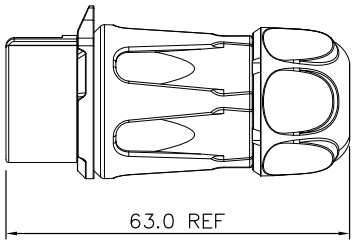


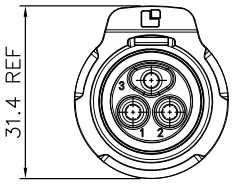
Quicklock socket, IP67, size 20, straight version, with plastic housing and solder terminals

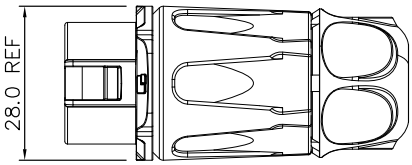
Approvals:

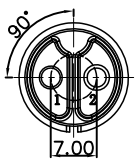
02 0262

Pin configurations, mating side view

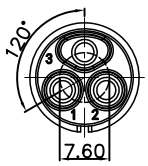








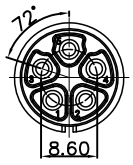
0262 02



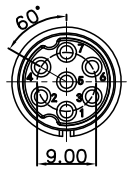
0262 03



0262 04



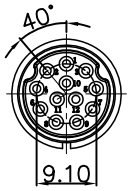
0262 05



0262 07



0262 09



0262 12

Environmental conditions

Temperature range	-40 °C/+80 °C

Materials

Insulating body	PBT, V-0 according to UL94
Contact bush	CuSn, gold-plated
Housing	PBT, V-0 according to UL94 F1 according to UL 746C, outdoor suitability (UV-light, immersion)
Cap nut	PBT, V-0 according to UL94, F1 according to UL 746C

Mechanical data

Mating cycles	1700
Insertion force	≤ 90 N
Withdrawal force	≤ 40 N
Protection class	IP67[1]

[1] only in locked condition with an appropriate counterpart

Connectable conductors for solder area

Section	2.5–4.0 mm²/AWG 14–12 (2–4 poles) 1.0–1.5 mm²/AWG 18–16 (5–7 poles) 0.34–0.75 mm²/AWG 22–20 (9–12 poles)
Cable diameter	7.0–13.0 mm

Electrical data (at T_{amb} 20 °C)

Contact resistance	≤ 5 mΩ
Rated current	20 A (2–4 poles) 12 A (5–7 poles) 5 A (9–12 poles)
Rated voltage	500 V
Rated impulse voltage	2500 V AC (2–7 poles) 1500 V AC (9–12 poles)
Creepage distance	≥ 2 mm
Clearance	≥ 2 mm
Insulation resistance	> 500 MΩ

02 0262

Associated products

Counterparts
0252

02 0262

Designation	Pole Number	PU (Pieces)	MDQ (Pieces)
0262 02	2	10	40
0262 03	3	10	40
0262 04	4	10	40
0262 05	5	10	40
0262 07	7	10	40
0262 09	9	10	40
0262 12	12	10	40

Packaging:
in individual plastic bags, in a cardboard box