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Quicklock circular connectors, IP67

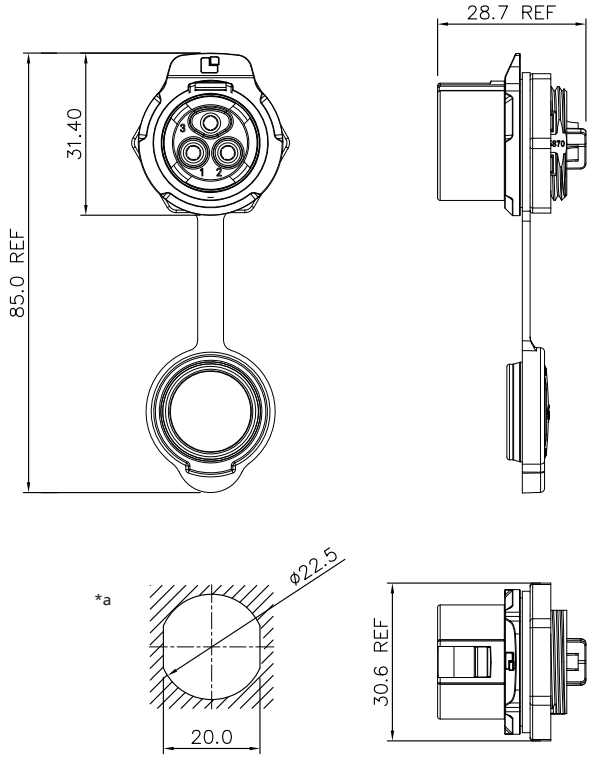


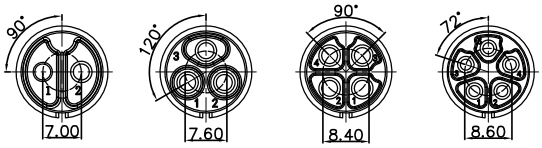
Quicklock chassis socket, IP67, size 20, straight version, with plastic housing, solder terminals and protecting cap (IP65)

Approvals:

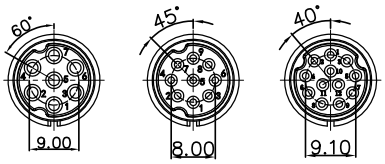
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Pin configurations, mating side view





0272 02 | 0272 03 | 0272 04 | 0272 05



0272 07 | 0272 09 | 0272 12

*a port

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	SI
Hexagonal nut	PBT, V-0 according to UL94

Mechanical data

Mating cycles	1700
Insertion force	≤ 130 N
Withdrawal force	≤ 120 N
Protection class	IP67 (protecting cap IP65) [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)

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

Associated products

Counterparts
0252

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Designation	Pole Number	PU (Pieces)	MDQ (Pieces)
0272 02	2	10	40
0272 03	3	10	40
0272 04	4	10	40
0272 05	5	10	40
0272 07	7	10	40
0272 09	9	10	40
0272 12	12	10	40

Packaging:
in individual plastic bags, in a cardboard box