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2820 ... TF1C...

Panel Mount Connectors Quicklock

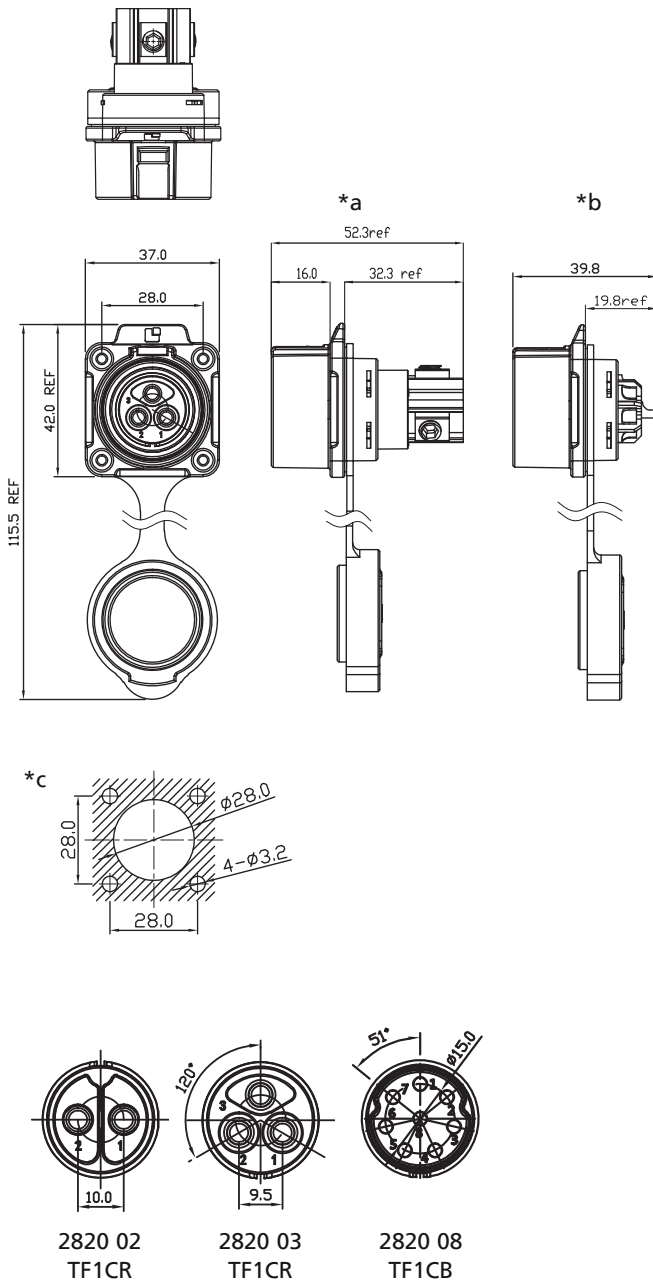


Quicklock flange chassis socket, IP67, size 28, straight version, with metal housing, screw clamps (8-pole version with solder terminals) and protecting cap (IP65)

Approvals:  

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- *a 2 and 3 pole versions with screw clamps
- *b 8 pole version with solder contacts
- *c port

Environmental conditions

Temperature range -40 °C/+80 °C

Materials

Insulating body PBT, V-0 according to UL94
Contact bush CuZn, gold-plated
Housing Zn alloy, chrome-plated
Cap SI

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 screw clamp

Section 2.5–16.0 mm²/AWG 14–6 (2–3 poles)

Connectable conductors for solder area

Section 1.5–4.0 mm²/AWG 16–12 (8 poles)

Electrical data (at T_{amb} 20 °C)

Contact resistance ≤ 5 mΩ
Rated current 50 A (2 poles)
43 A (3 poles)
15 A (8 poles)
Rated voltage 500 V AC (2–3 poles)
300 V AC (8 poles)
Rated impulse voltage ≤ 2500 V
Creepage distance ≥ 2 mm
Clearance ≥ 2 mm
Insulation resistance > 500 MΩ
Important note The connector must not be connected or disconnected under load.

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Associated products

Counterparts

↗ 2850 ... T20C... T

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Designation	Pole Number	PU (Pieces)	MDQ (Pieces)
2820 02 TF1CR	2	4	20
2820 03 TF1CR	3	4	20
2820 08 TF1CB	8	4	20

Packaging:

in individual plastic bags, in a cardboard box