



4720.**

6.3mm (.250) UP-SEK Terminals



Description Standard self-locking terminals: Connector disconnection

Wire section range 0.50 – 1.00 mm² (AWG 20 - 18)

Max. Insulator Ø 2.5mm.

Materials, Temperature & Contact resistance

Part nr.	Material	Finishing	Max. temp. (C°)	Resist. (mΩ)	UL regulation
4720.00	Brass	Natural	110	1.22	UL US
4720.02	Brass	Tin plated	120	1.07	UL US
4720.30	Bronze	Natural	120	(T.B.D)	-
4720.32	Bronze	Tin plated	130	(T.B.D)	-
4720.70	German Silver	Natural	210	2.92	-

Notes: Temperatures as per DIN 61210 standard.
Maximal contact resistance (crimp zone + friction zone) with minimal suitable wire size (Using IEC 60760 test method)

Material thickness 0.4 mm

Max. Rated current

Wire section (mm ²)	Current (A)
0.50	8
0.75	10
1.00	12



Thermal derating (see graphs in following sheet)

Insertion/Withdrawal forces

	Brass/Bronze	German silver
1 st . Insertion	35 N Max	35 N Max
1 st . Withdrawal by the connector	30 N Max	30 N Max
1 st . Withdrawal by the wire	90 N Min	70 N Min

Application tool MN4720

Wire stripping length 5.3 (±0.5) mm

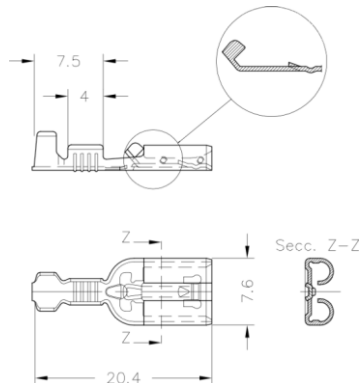
Crimping parameters & Pull out force

Wire section (mm ²)		Conductor (±0,03)		Insulator (±0,10)	Pull-out force (N)	
Nominal	Actual	Height (mm.)	Width (mm.)	Width (mm.)	DIN64249	ESCUBEDO
0.50	0.45	1.40	2.38	3.33	≥ 80	> 100
0.75	0.71	1.50	2.39	3.35	≥ 120	> 130
1.00	0.91	1.60	2.40	3.36	≥ 160	> 170

Note: Values only valid for the application tool specified upwards. The insulator widths are only indicative as they are dependent on the sheath thickness of the wire used.

Packaging 8000 Pieces on 300 mm. Ø x 160 mm. wide cardboard reel, 22.5 mm terminal chain pitch

Drawing



Approvals

- RoHS Compliant
- UL



Products with (see table above), fulfil UL Regulation

Notes

T.B.D.: To be determined



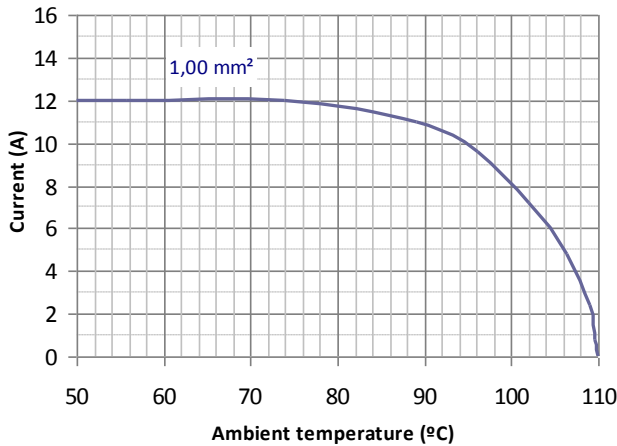
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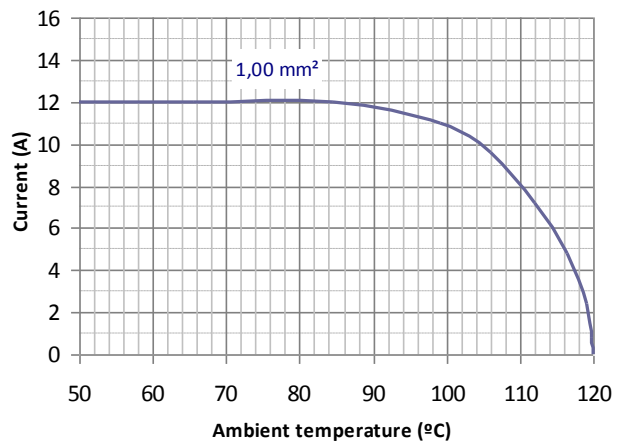
Thermal derating curves

(Maximum current vs. maximum ambient temperature)

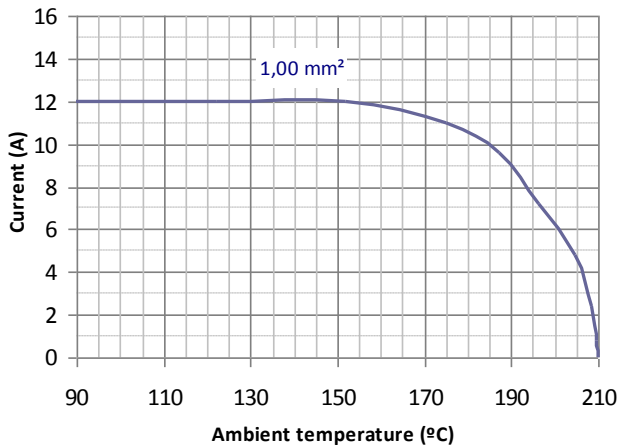
4720.00 (Brass, natural)



4720.02 (Brass, tin plated)



4720.70 (German silver, natural)



4720.32 (Bronze, tin plated)

(T.B.D)

4720.30 (Bronze, natural)

(T.B.D)

Note: 20% security margin is applied on all derating curves

Disclaimer

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Rev. Nr.	Modification	Date	Created/Revised	Approved
1	Creation/Update	10/08/2012	D.Martinez	A.Calvet
2	Insertion/Withdrawal forces	28/11/2012	D.Martinez	A.Calvet
3	Withdrawal forces symbol change	16/05/2014	D.Martinez/E.Roura	A.Calvet
4	Update Insertion/Withdrawal forces & drawing	08/01/2015	D.Martinez/E.Roura	Joan Carles Sanchez