

## 4809.\*\*



### 2.8 MM (.110) UP-TP LOW INSERTION RECEPTACLES FOR TAB 2.8X0.5

**Description** Low insertion receptacles for 2.8x0.5 Tabs.

**Wire section range** 0.50 – 1.00 mm<sup>2</sup> (AWG 20 - 18)

**Max. Insulator Ø** 3.3 mm



**Materials & Temperature**

Part nr.	Material	Finishing	Max. Temp. (C°)	UL Regulation / File
4809.00	Brass	Natural	110	UL310 / E211727
4809.01	Brass	Pre-tin plated	120	UL310 / E211727
4809.02	Brass	Tin plated	120	-
4809.30	Bronze	Natural	120	-
4809.31	Bronze	Pre-tin plated	130	-
4809.32	Bronze	Tin plated	130	-
4809.24	Steel	Nickel plated	300	UL310 / E211727
4809.70	German silver	Natural	210	-

**Material thickness** 0.3 mm

**Max. Rated current**

**Maximum Current values.**

Values of the table show the recommended maximum current values, limited by the cross section of the cable used. These maximum values also depend on the ambient temperature, and can be reduced depending on the working conditions. For more precise information about the maximum rating current applicable in each case, consult the "Temperature Rise" and "De-rating" curves.

Wire section (mm <sup>2</sup> )	Current (A)
0.50	6
0.75	8
1.00	8

**Insertion/Withdrawal forces**



1st. Insertion	20 N Max.
1st. Withdrawal	40 N Max.
10th. Withdrawal	8 N Min.

**Note:** Insertion and withdrawal forces valid for natural brass tab.

**Application tool** MN4809

**Wire striping length** 3.7 (±0.5) mm

**Crimping parameters & Pull out force**

Wire section (mm <sup>2</sup> ±10%)	Conductor (mm) 		Insulator (mm) 	Pull-out force (N)
	Height (±0.05)	Width (measured)	Width (measured)	
Nominal				
0.50	1.25	2.05	3.05	>70
0.75	1.40	2.06	3.05	>80
1.00	1.45	2.08	3.06	>90

**Note:** Values only valid for the application tool specified. The insulator width is only indicative as they depend of the insulation properties

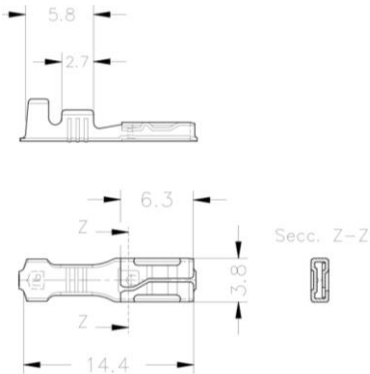
**Packaging** 15000 Pieces 300 mm Ø x 160 mm wide cardboard reel , 16.5 mm terminal chain pitch

**4809.\*\***



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**Drawing**



**Connectors Compatibility**

Part number	Colour	Way Nr.	Raw material
2281410	Natural	1	PA
2281440	Natural	1	PA
2281510	Natural	1	PA
2281540	Natural	1	PA
2281610	Natural	1	PA
2281640	Natural	1	PA

**Note:** For others materials and colours ask: [info@escubedo.com](mailto:info@escubedo.com)

**Approvals**

RoHS Copliant	
UL regulation	

**Disclaimer**

Data obtained from Escubedo Laboratory essays, using own methodology, cablings, equipment and original crimping tools, done in laboratory conditions and following the indicated standards, errors and omissions excepted. This document has no contractual meaning and it is publiscied only for informative purposes. It can be changed without prior notice. The end customer has the sole responsibility to check these characteristics in its environment and with its own components, manufacturing methods and equipment. See also the full range product overview if available. For further information please visit our web site or contact us.

Rev. Nr.	Modification	Date	Created/Revised	Approved
5	Packaging/format Update	09/05/2017	D.Martinez / E.Roura	X.Menac
4	Correction and update the materials & temperature table	15/06/2016	D.Martinez / E.Roura	X.Menac
3	Update	29/02/2016	D.Martinez / E.Roura	X.Menac
2	Standard max. Temp. change	14/06/2011	D.Martinez	JC Sanchez