4714.**

4.8 (.187) TYPE SERIES · RECEPTACLES

SELF-LOCKING RECEPTACLES

Specification Standard self-locking terminals

Typology Connector disconnection

For male (mm) 4,8x0,8

Wire size mm² (AWG) 0,5-1 (20-18)

Ø Insulation (mm) 1,8-2,5

Materials, temperature and contact resistance

Part nr.	Material	Finishing	Max. Temp. (ºC)	Contact Resist (mΩ)
4714.00	Brass	Natural	110	0.75
4714.02	Brass	Tin plated	120	(T.B.D.)
4714.30	Bronze	Natural	120	(T.B.D.)
4714.32	Bronze	Tin plated	130	(T.B.D.)

Material thickness (mm) 0,35

Max. rated current

Wire section	4714.00 / 02 / 30 / 32
0.50 mm²	8A
0.75 mm²	10A
1.00 mm²	12A

Insertion / Withdrawal forces

	4714.00 / 02 / 30 / 32
1st Insertion (max)	25N[1]
1st Withdrawal (min, locking enabled)	70N[1]

[1] Valid for Natural Brass Tab

Secutiry function Self-locking function prevents disconnection by pulling the cable.
Disconnection is possible disabling the locking function, pressing the lever manually or sliding the connector (see withdrawal forces).
It allows several connections-disconnections maintaining the functional features.

Application tool MN4712

Wire strip length 4.2 (±0.5) mm

Crimping parameters & pull out force

Wire section (±10%)	Conductor		Insulator	Pull-out force (N)
	Height (mm)	Width (mm)	Width (mm)	
0.50 mm²	1.30 (±0.03)	2.34 (±0.03)	3.09 (±0.10)	56N @ 60s
0.75 mm²	1.40 (±0.05)	2.35 (±0.05)	3.10 (±0.10)	84N @ 60s
1.00 mm²	1.50 (±0.05)	2.36 (±0.05)	3.11 (±0.10)	108N @ 60s

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.

Winding number 10000

Compatible connectors 24811**

4714.**

4.8 (.187) TYPE SERIES · RECEPTACLES

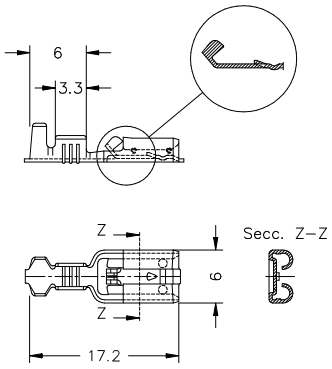
SELF-LOCKING RECEPTACLES

Approved regulations

Part nr.	Approval	Standard	File	Certified framework
4714.00	UL	UL 310	E211727	AWG 20-18 (10-16 Stranded Cu) / MN4714
4714.02	UL	UL 310	E211727	AWG 20-18 (10-16 Stranded Cu) / MN4714

Approvals

Drawing

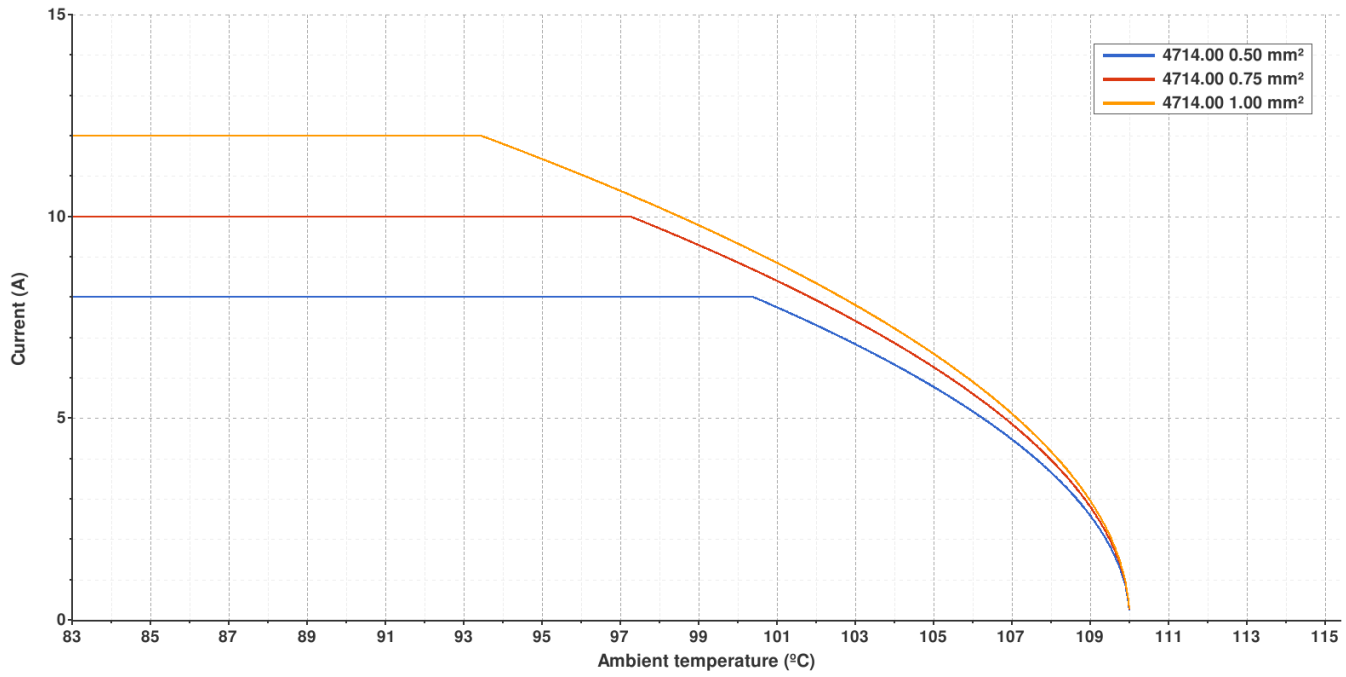


4714.00 NATURAL BRASS

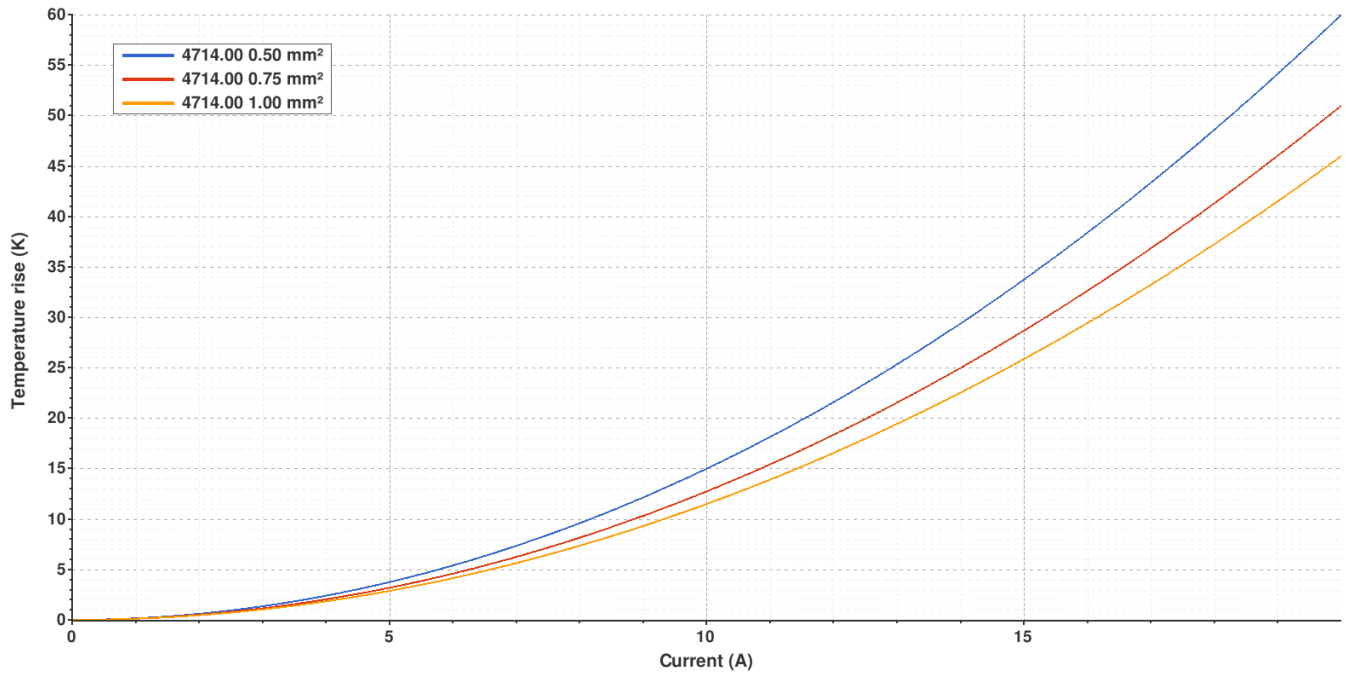
4.8 (.187) TYPE SERIES · RECEPTACLES

SELF-LOCKING RECEPTACLES

Derating curve Current carrying capacity vs. Ambient temperature



Temperature rise curve Terminal temperature rise due to the current carried



Valid for Natural Brass Tab

4714.**

4.8 (.187) TYPE SERIES · RECEPTACLES

SELF-LOCKING RECEPTACLES

(T.B.D.): To be determined

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 publicised 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.	Concept	Date	Created/Revised	Approved
A4	Update datasheet - Add tipology	2022-03-17	E. Roura (Laboratory Dept.)	O. Roura (Engineering Dept.)
A3	Change company name and logo	2021-10-21	E.Roura (laboratory dept.)	M.Codina (engineering dept.)
A2	Secutiry function updated	2021-02-22	E.Roura (laboratory dept.)	M.Codina (engineering dept.)
A1	Datasheet generated automatically [A1]	2019-04-16	Laboratory Dept.	E. Roura

Escubedo Connection Systems, S.A.U. · Ctra. de Girona-Olot Km. 35,5 · 17843 Riudellots de la Creu · Girona · Spain
Tel.: 34 972 171 706 · Fax: +34 972 171 714 · info@escubedo.com · www.escubedo.com