4908.**

2.8 (.110) TYPE SERIES · RECEPTACLES

SELF-LOCKING RECEPTACLES. LOW INSERTION TERMINALS.

TP SEK3

Specification Low insertion

For male (mm) 2,8x0,5

Wire size mm² (AWG) 0,75-1,5 (18-16)

Materials, temperature and contact resistance

Part nr.	Material	Finishing	Max. Temp. (ºC)	Contact Resist (mΩ)
4908.00	Brass	Natural	110	1.75
4908.01	Brass	Pre-tin-plated	120	1.25
4908.24	Steel	Nickel-plated	300	2.50

Material thickness (mm) 0,3

Max. rated current

Wire section	4908.00 / 01 / 24
0.75 mm²	8A
1.00 mm²	8A
1.50 mm²	12A

Insertion / Withdrawal forces

	4908.00 / 01 / 24
1st Insertion (max)	20N[1]
1st Withdrawal (max)	20N[1]
1st Withdrawal (min, locking enabled)	50N[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 MN4909

Crimping parameters & pull out force

Wire section (±10%)	Conductor		Insulator	Pull-out force (N)
	Height (mm)	Width (mm)	Width (mm)	
0.50 mm²	1.20 (±0.03)	2.25 (±0.03)	3.02 (±0.10)	56N @ 60s
0.75 mm²	1.30 (±0.05)	2.26 (±0.05)	3.04 (±0.10)	84N @ 60s
1.00 mm²	1.40 (±0.05)	2.26 (±0.05)	3.05 (±0.10)	108N @ 60s
1.50 mm²	1.55 (±0.05)	2.28 (±0.05)	3.08 (±0.10)	150N @ 60s
16 AWG	1.45 (±0.05)	2.27 (±0.05)	3.08 (±0.10)	133N @ 60s
18 AWG	1.30 (±0.05)	2.26 (±0.05)	3.06 (±0.10)	89N @ 60s
20 AWG	1.20 (±0.03)	2.25 (±0.03)	3.08 (±0.10)	58N @ 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 15000

Compatible connectors 22817**

Approvals RoHS

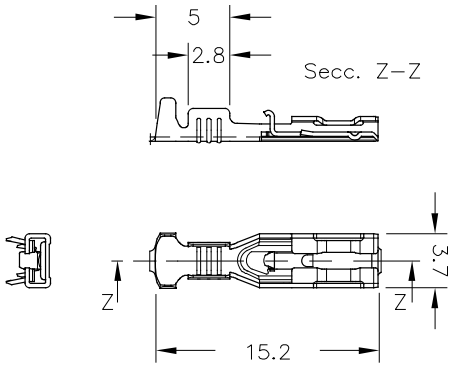
4908.**

2.8 (.110) TYPE SERIES · RECEPTACLES

SELF-LOCKING RECEPTACLES. LOW INSERTION TERMINALS.

TP SEK3

Drawing



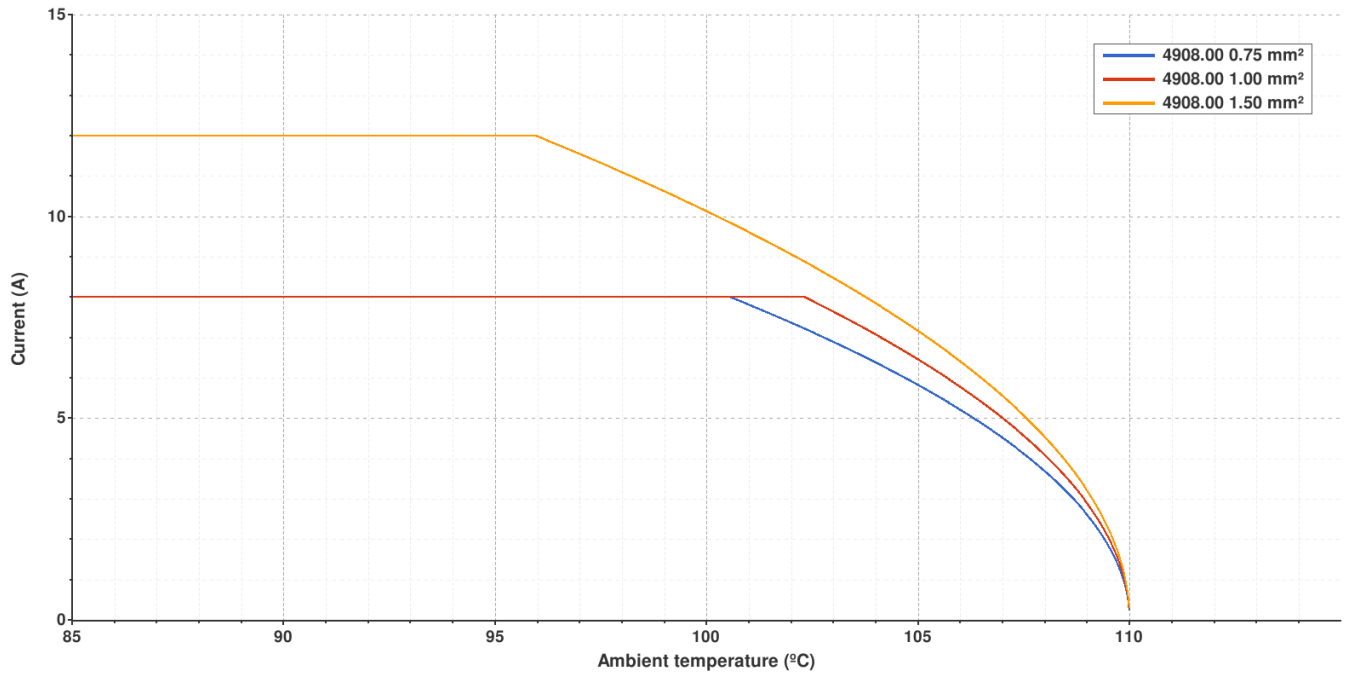
4908.00 NATURAL BRASS

2.8 (.110) TYPE SERIES · RECEPTACLES

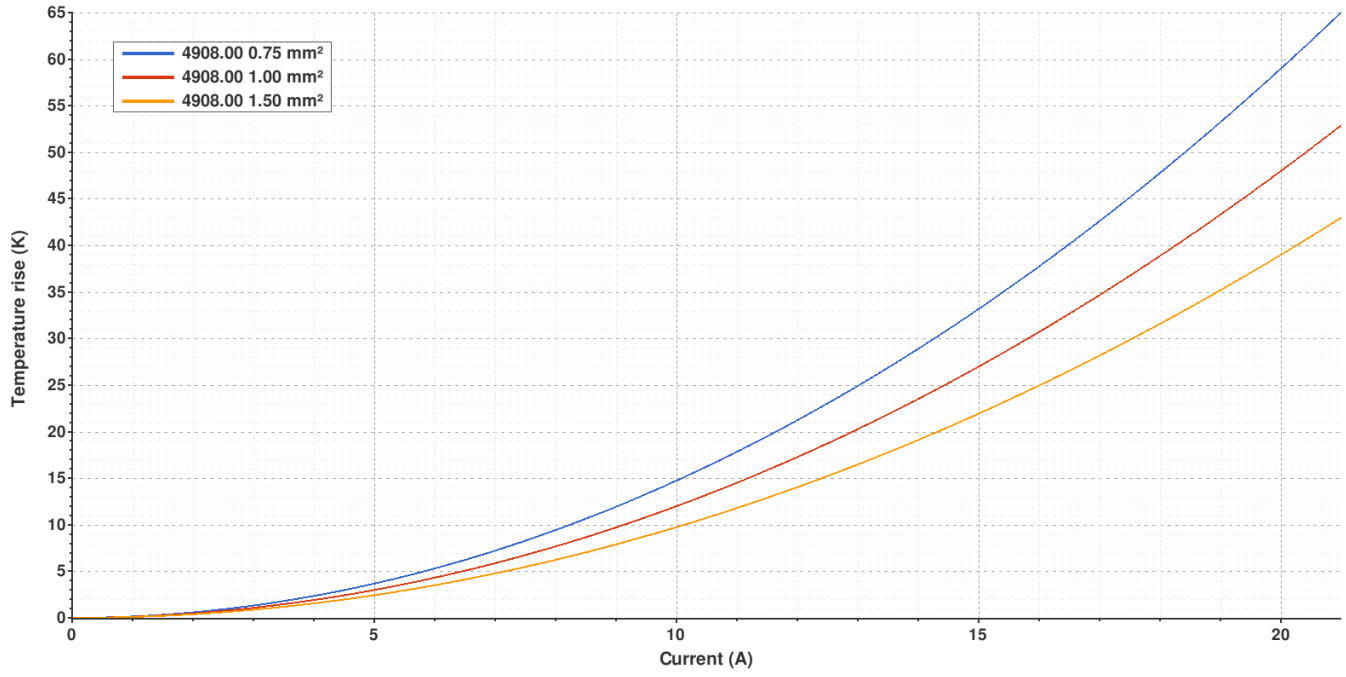
SELF-LOCKING RECEPTACLES. LOW INSERTION TERMINALS.

TP SEK3

Derating curve Current carrying capacity vs. Ambient temperature



Temperature rise curve Terminal temperature rise due to the current carried



Valid for Natural brass tab

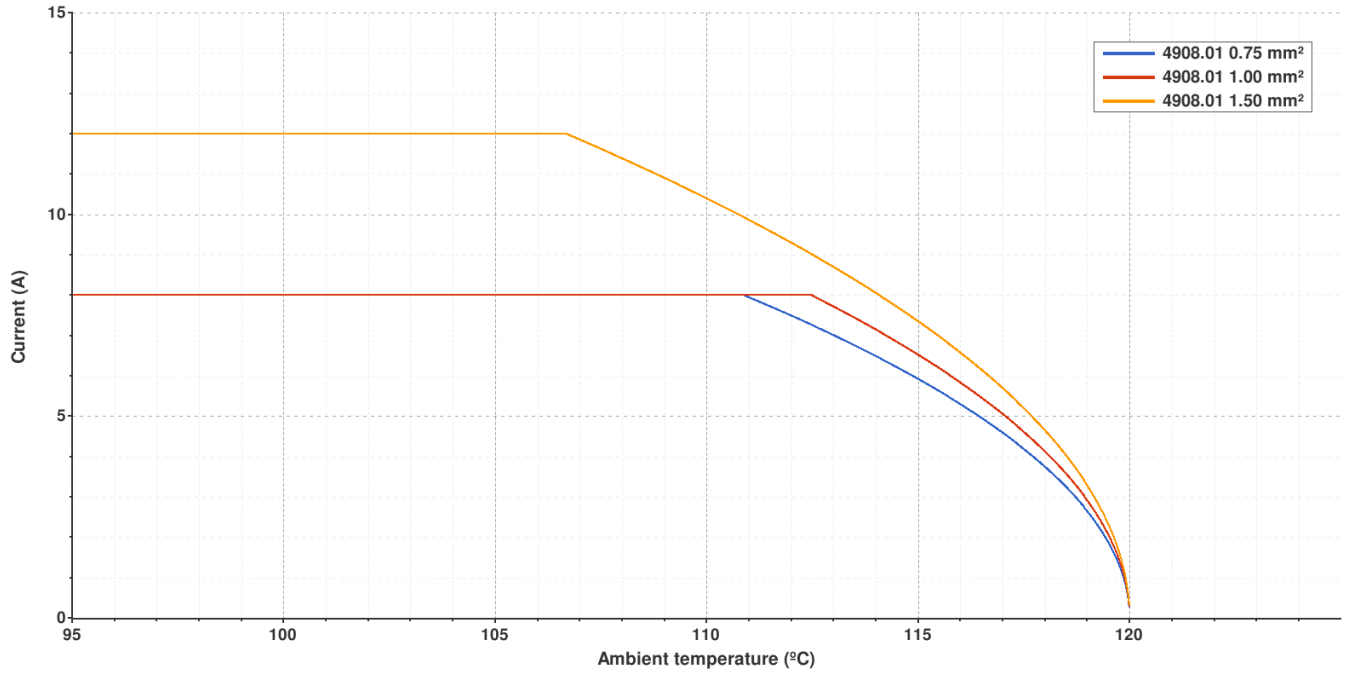
4908.01 PRE-TIN-PLATED BRASS

TP SEK3

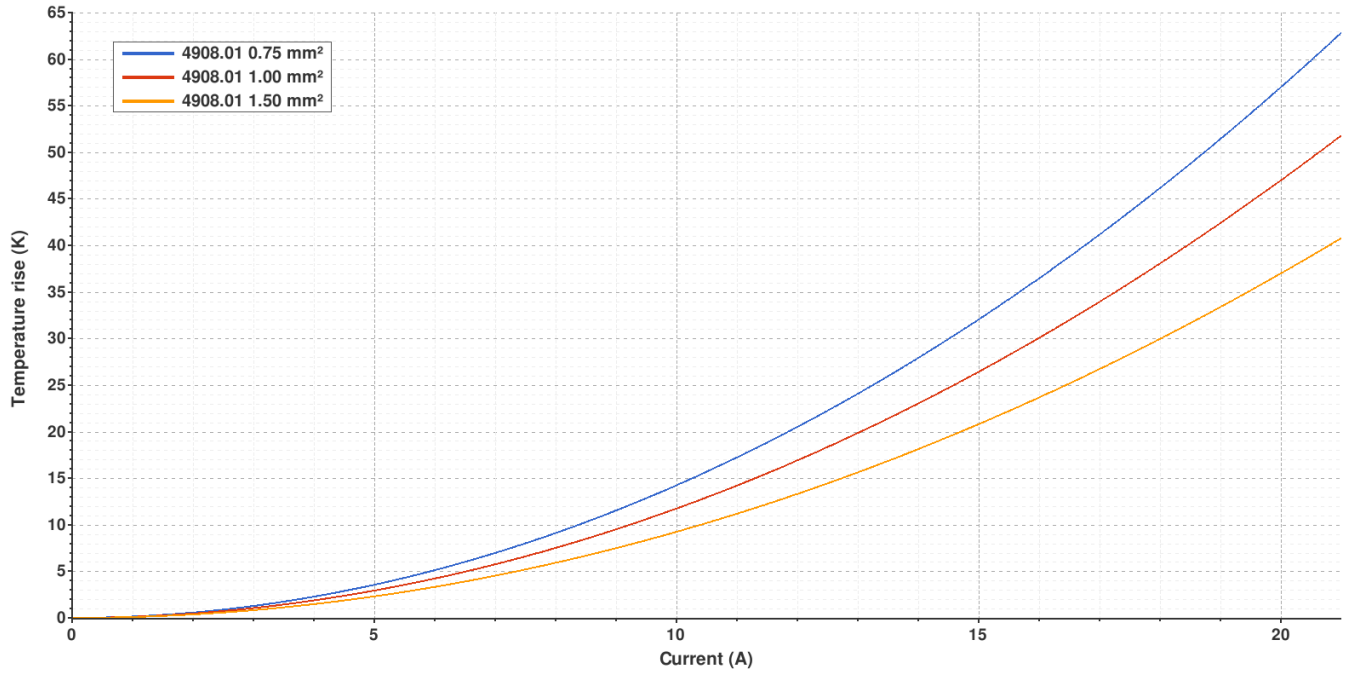
2.8 (.110) TYPE SERIES · RECEPTACLES

SELF-LOCKING RECEPTACLES. LOW INSERTION TERMINALS.

Derating curve Current carrying capacity vs. Ambient temperature



Temperature rise curve Terminal temperature rise due to the current carried



Valid for Natural brass tab

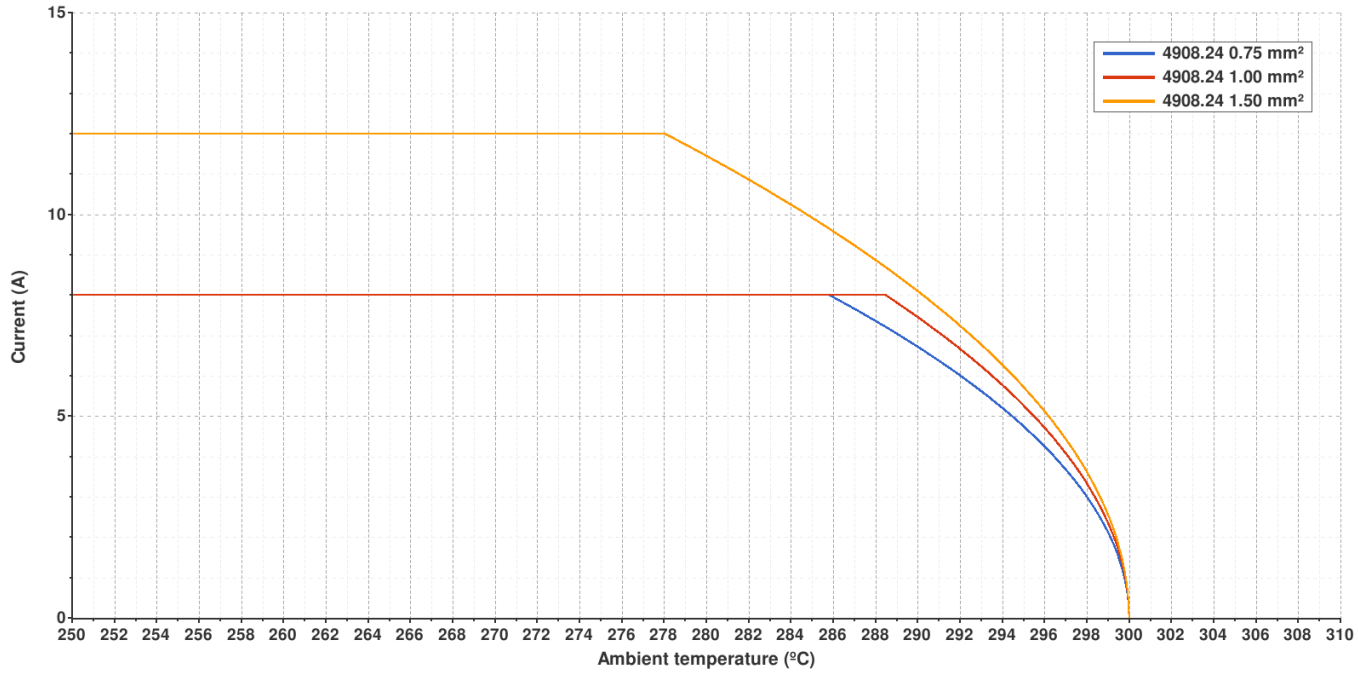
4908.24 NICKEL-PLATED STEEL

TP SEK3

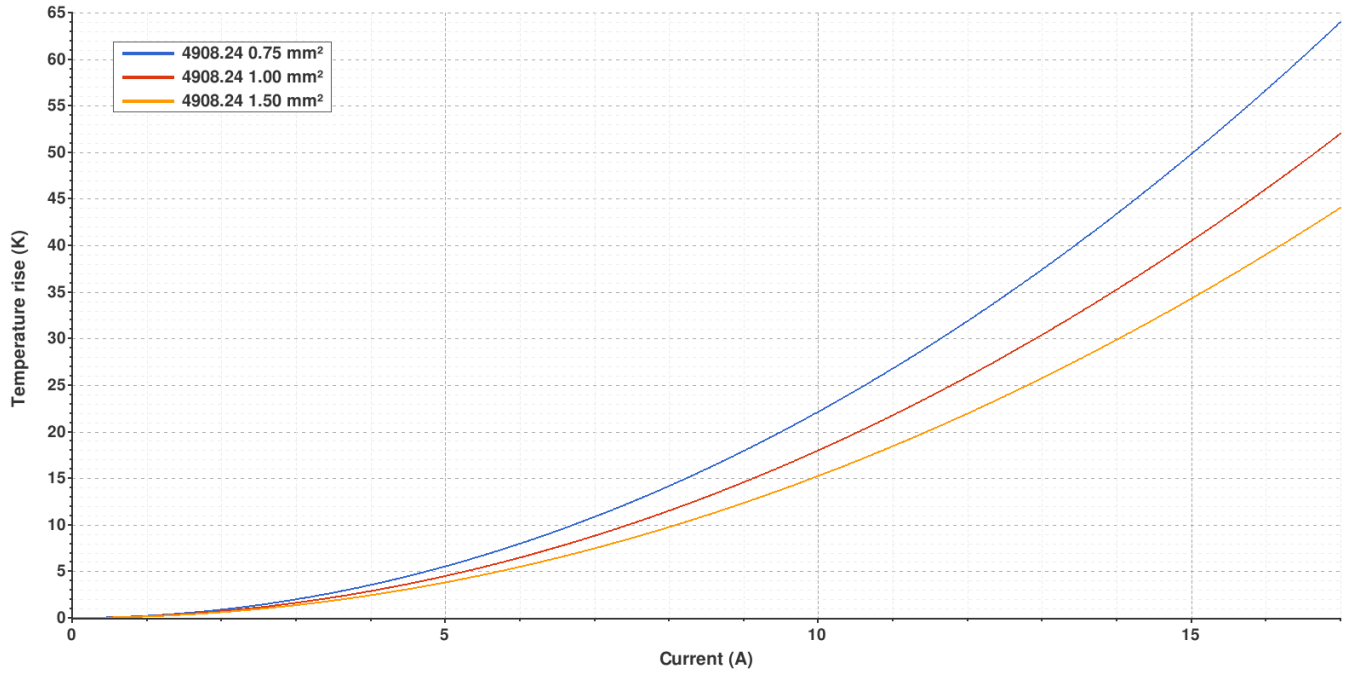
2.8 (.110) TYPE SERIES · RECEPTACLES

SELF-LOCKING RECEPTACLES. LOW INSERTION TERMINALS.

Derating curve Current carrying capacity vs. Ambient temperature



Temperature rise curve Terminal temperature rise due to the current carried



Valid for Natural brass tab

4908.**

2.8 (.110) TYPE SERIES · RECEPTACLES

SELF-LOCKING RECEPTACLES. LOW INSERTION TERMINALS.

TP SEK3

Rev. Nr.	Concept	Date	Created/Revised	Approved
A5	Change company name and logo	2021-10-21	Laboratory Dept.	E. Roura (Laboratory Dept.)
A4	Update temperature rise and de-rating curves	2021-06-08	Laboratory Dept.	E. Roura (Laboratory Dept.)
A3	Correction - Subtitle of the datasheet	2019-03-21	Laboratory Dept.	E. Roura
A2	Upadate datasheet. De-rating, temperature rise and contact resistance	2019-01-31	Laboratory Dept.	E. Roura
A1	Datasheet generated automatically [A1]	2018-09-17	Laboratory Dept.	E. Roura

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