5734.**

6.3 (.250) TYPE SERIES · FLAGS

SELF-LOCKING RECEPTACLES. LOW INSERTION TERMINALS.

TP SEK3

Specification Self-locking terminals under TP design

For male (mm) 6,3x0,8

Wire size mm² (AWG) 2,5-4 (14-12)

Materials, temperature and contact resistance

Part nr.	Material	Finishing	Max. Temp. (ºC)	Contact Resist (mΩ)
5734.00	Brass	Natural	110	1.50
5734.01	Brass	Pre-tin-plated	120	0.75
5734.24	Steel	Nickel-plated	300	2.50
5734.51	Cu. Alloy	Pre-tin-plated	150	0.50

Material thickness (mm) 0,4

Max. rated current

Wire section	5734.00 / 01 / 24 / 51
1.00 + 2.50 mm²	12A
1.50 + 1.50 mm²	16A
1.50 + 2.50 mm²	16A
2.50 mm²	20A

Insertion / Withdrawal forces

	5734.00 / 01 / 51	5734.24
1st Insertion (max)	25N[1]	35N[1]
1st Withdrawal (max)	25N[1]	35N[1]
1st Withdrawal (min, locking enabled)	90N[1]	90N[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 MN5734

Crimping parameters & pull out force

Wire section (±10%)	Conductor		Insulator	Pull-out force (N)
	Height (mm)	Width (mm)	Width (mm)	
1.00 + 2.50 mm²	2.15 (±0.05)	3.53 (±0.05)	4.82 (±0.10)	(108N @ 60s) + (230N @ 60s)
1.50 + 1.50 mm²	2.00 (±0.05)	3.48 (±0.05)	4.75 (±0.10)	(150N @ 60s) + (150N @ 60s)
1.50 + 2.50 mm²	2.25 (±0.05)	3.55 (±0.05)	4.85 (±0.10)	(150N @ 60s) + (150N @ 60s)
2.50 mm²	1.95 (±0.05)	3.46 (±0.05)	4.65 (±0.10)	230N @ 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 2700

Compatible connectors 26433**

Approved regulations

Part nr.	Approval	Standard	File	Certified framework
5734.00	UL	UL 310	E211727	AWG 14-14+16 (41-41+26 Stranded Cu) / MN5734
5734.01	UL	UL 310	E211727	AWG 14-14+16 (41-41+26 Stranded Cu) / MN5734

5734.**

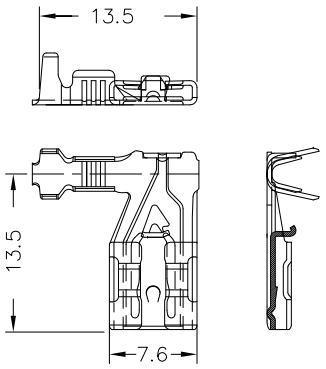
6.3 (.250) TYPE SERIES · FLAGS

SELF-LOCKING RECEPTACLES. LOW INSERTION TERMINALS.

TP SEK3

Approvals

Drawing



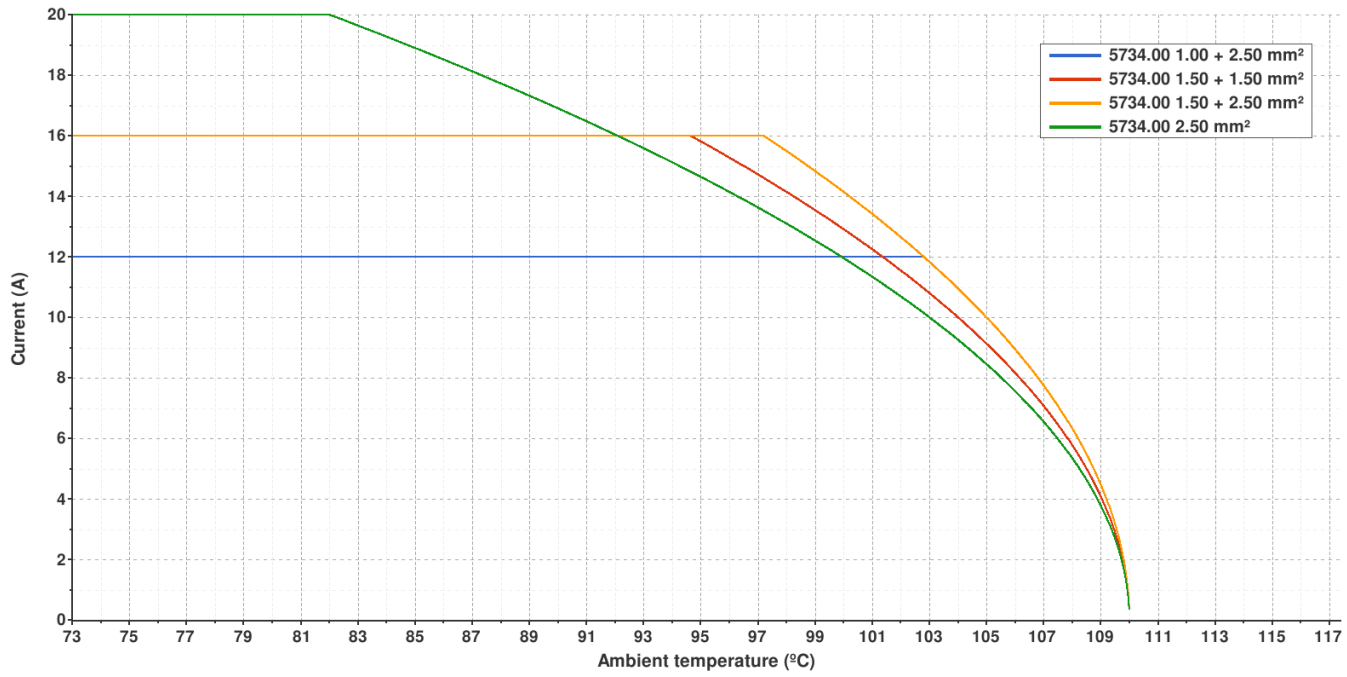
5734.00 NATURAL BRASS

TP SEK3

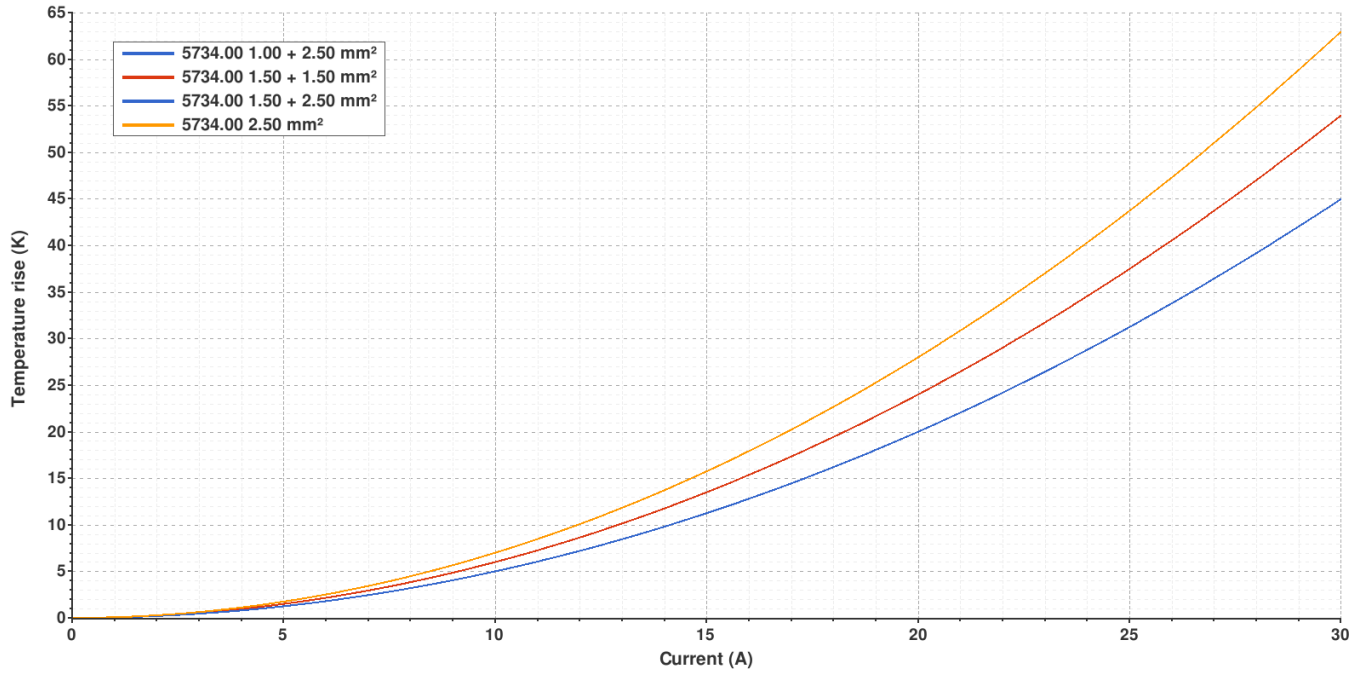
6.3 (.250) TYPE SERIES · FLAGS

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

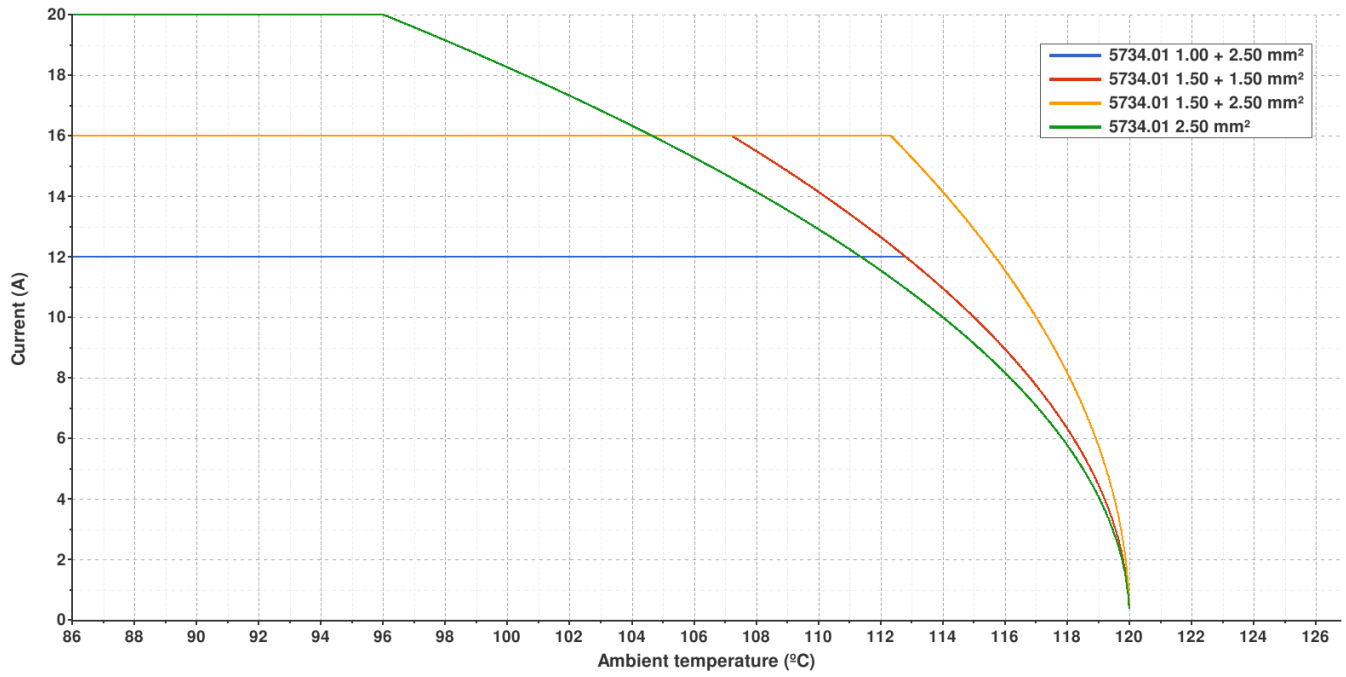
5734.01 PRE-TIN-PLATED BRASS

TP SEK3

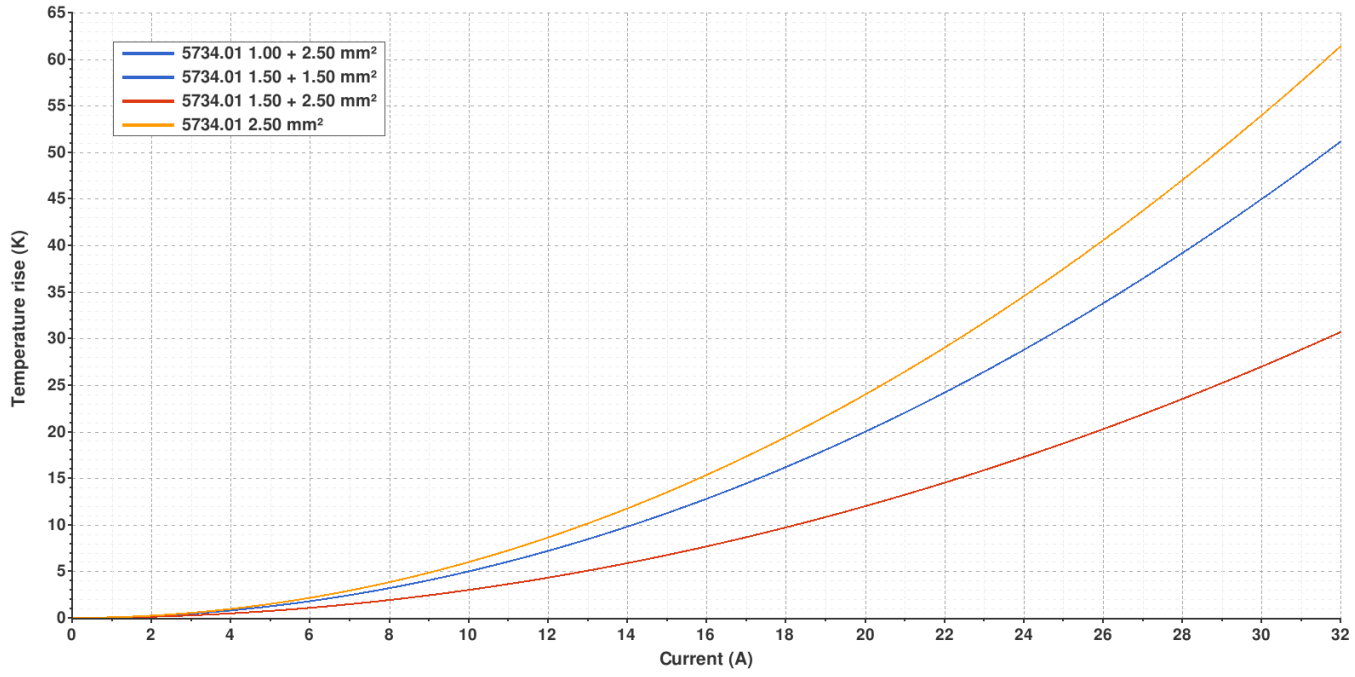
6.3 (.250) TYPE SERIES · FLAGS

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

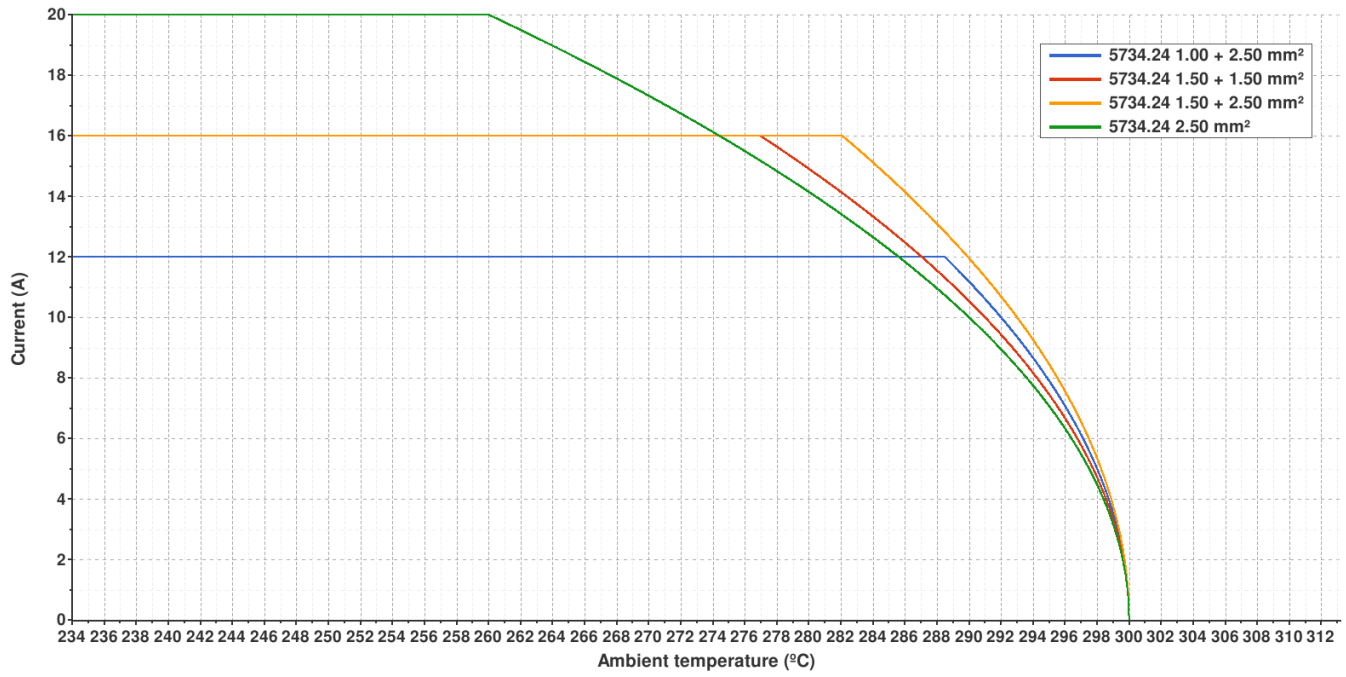
5734.24 NICKEL-PLATED STEEL

TP SEK3

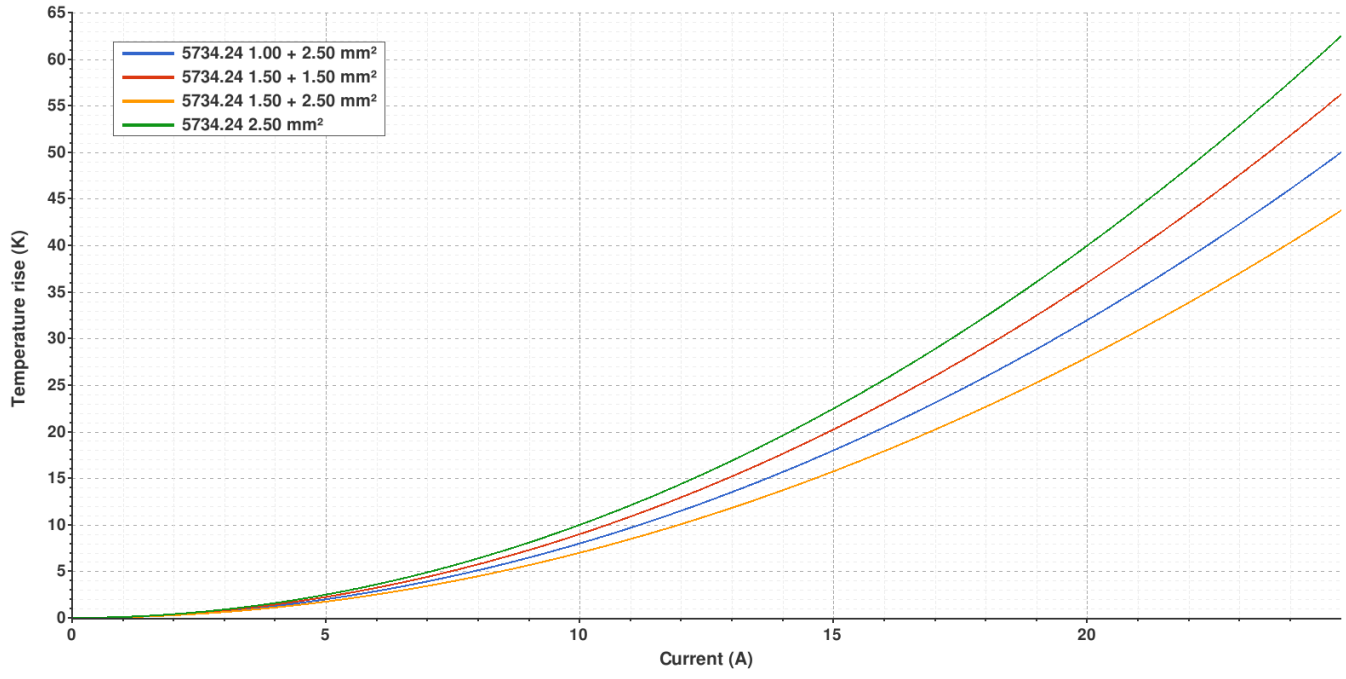
6.3 (.250) TYPE SERIES · FLAGS

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

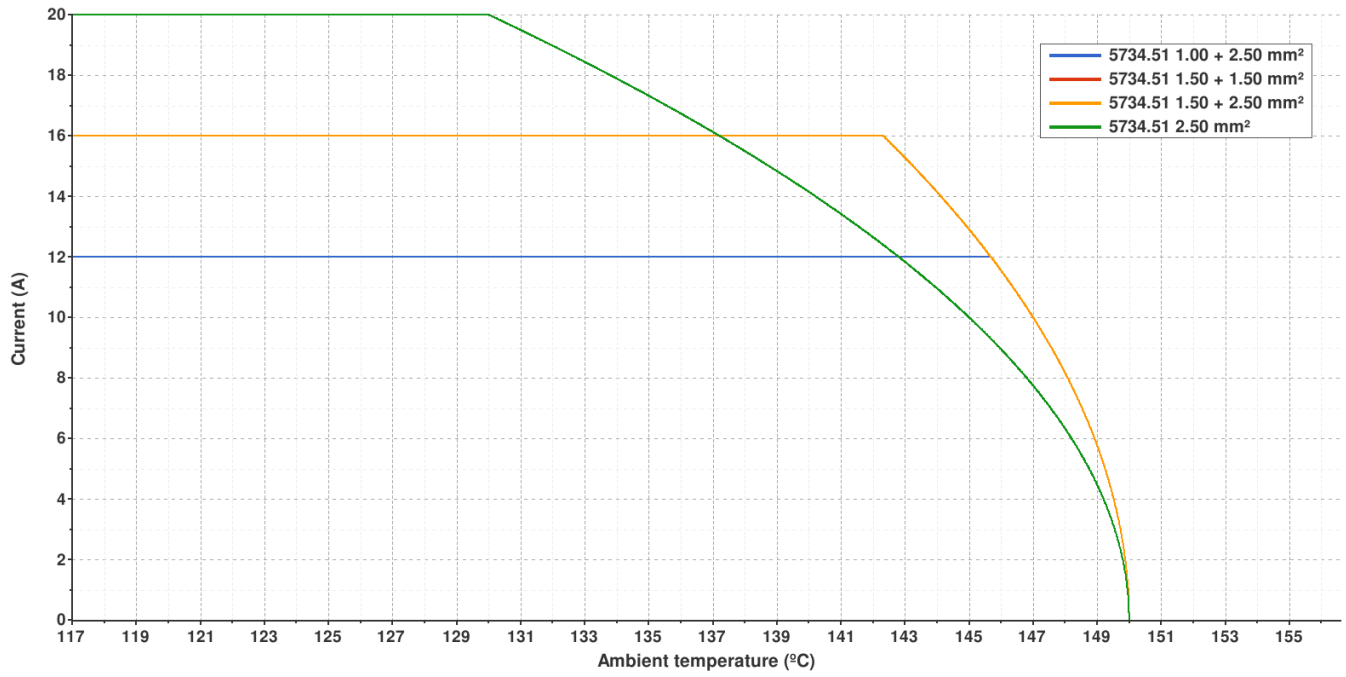
5734.51 PRE-TIN-PLATED CU. ALLOY

TP SEK3

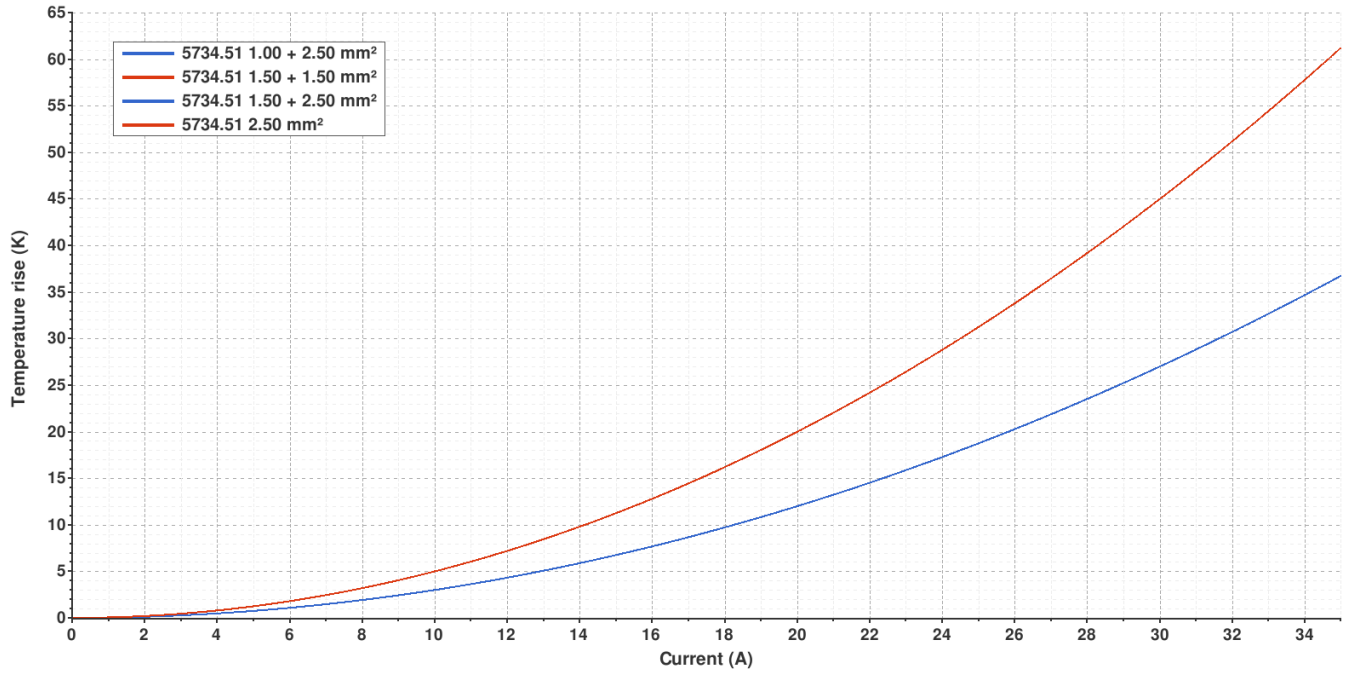
6.3 (.250) TYPE SERIES · FLAGS

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

5734.**

6.3 (.250) TYPE SERIES · FLAGS

SELF-LOCKING RECEPTACLES. LOW INSERTION TERMINALS.

TP SEK3

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Rev. Nr.	Concept	Date	Created/Revised	Approved
A2	Change company name and logo	2021-10-21	Laboratory Dept.	E. Roura
A1	Datasheet generated automatically [A1]	2018-09-19	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