5775.**

4.8 (.187) TYPE SERIES · FLAGS

SELF-LOCKING RECEPTACLES. LOW INSERTION TERMINALS.

TP SEK3

Specification Self-locking terminals under TP design

For male (mm) 4,8x0,8

Wire size mm² (AWG) 0,5-1,5 (20-16)

Ø Insulation (mm) 1,8-2,3

Materials, temperature and contact resistance

Part nr.	Material	Finishing	Max. Temp. (ºC)	Contact Resist (mΩ)
5775.00	Brass	Natural	110	1.50
5775.01	Brass	Pre-tin-plated	120	1.00
5775.24	Steel	Nickel-plated	300	2.50
5775.51	Cu. Alloy	Pre-tin-plated	150	0.75

Material thickness (mm) 0,35

Max. rated current

Wire section	5775.00 / 01 / 24 / 51
0.50 mm²	8A
0.75 mm²	10A
1.00 mm²	12A
1.50 mm²	16A

Insertion / Withdrawal forces

	5775.00 / 01 / 24 / 51
1st Insertion (max)	25N[1]
1st Withdrawal (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.

Crimping parameters & pull out force

Wire section (±10%)	Conductor		Insulator	Pull-out force (N)
	Height (mm)	Width (mm)	Width (mm)	
0.50 mm²	1.25 (±0.03)	2.36 (±0.03)	3.61 (±0.10)	56N @ 60s
0.75 mm²	1.35 (±0.05)	2.37 (±0.05)	3.62 (±0.10)	84N @ 60s
1.00 mm²	1.45 (±0.05)	2.38 (±0.05)	3.63 (±0.10)	108N @ 60s
1.50 mm²	1.60 (±0.05)	2.40 (±0.05)	3.66 (±0.10)	150N @ 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 3000

Compatible connectors 24837**

Approvals

RoHS

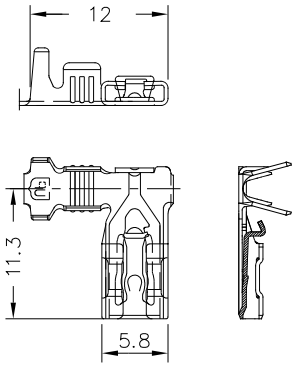
5775.**

4.8 (.187) TYPE SERIES · FLAGS

SELF-LOCKING RECEPTACLES. LOW INSERTION TERMINALS.

TP SEK3

Drawing



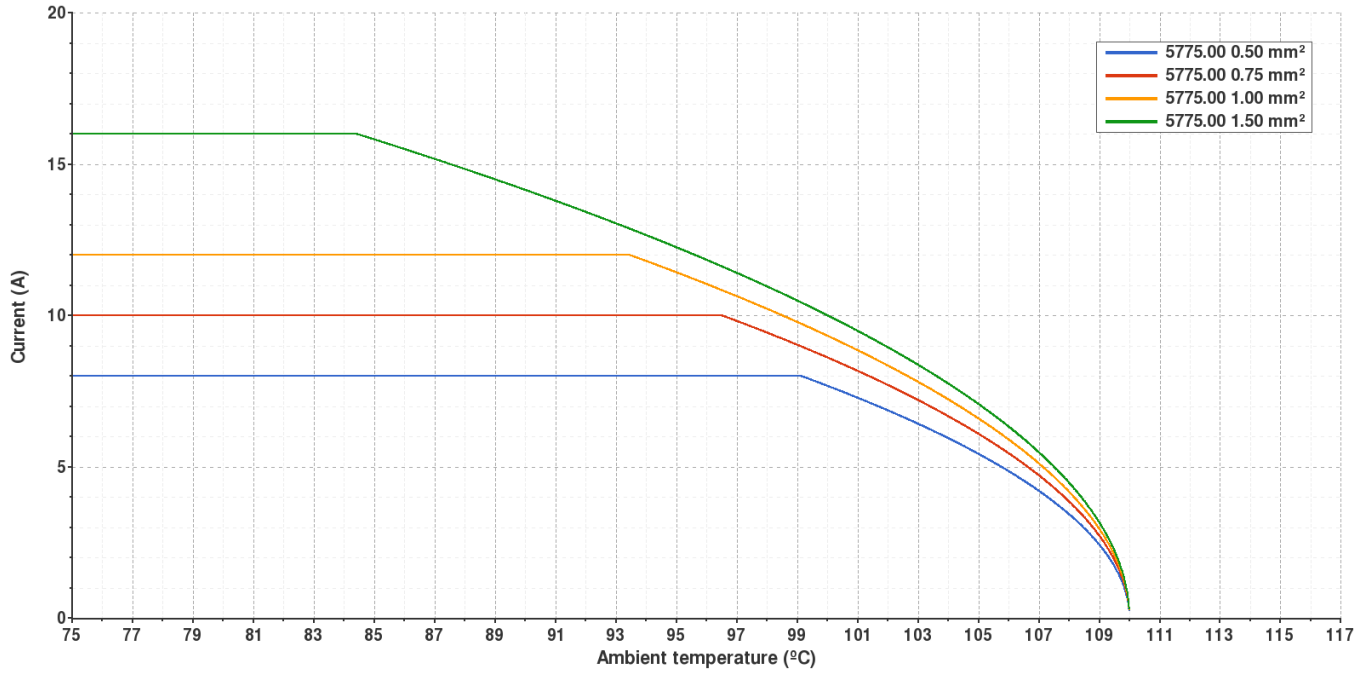
5775.00 NATURAL BRASS

TP SEK3

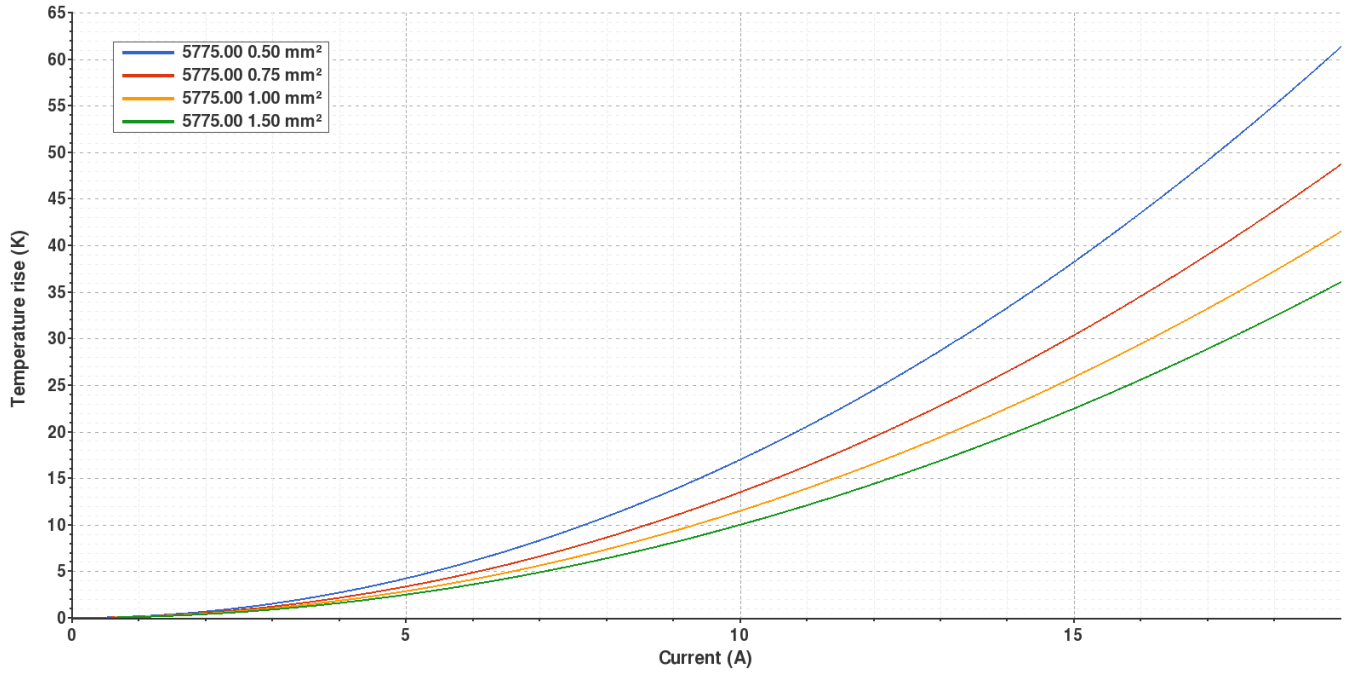
4.8 (.187) TYPE SERIES · FLAGS

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

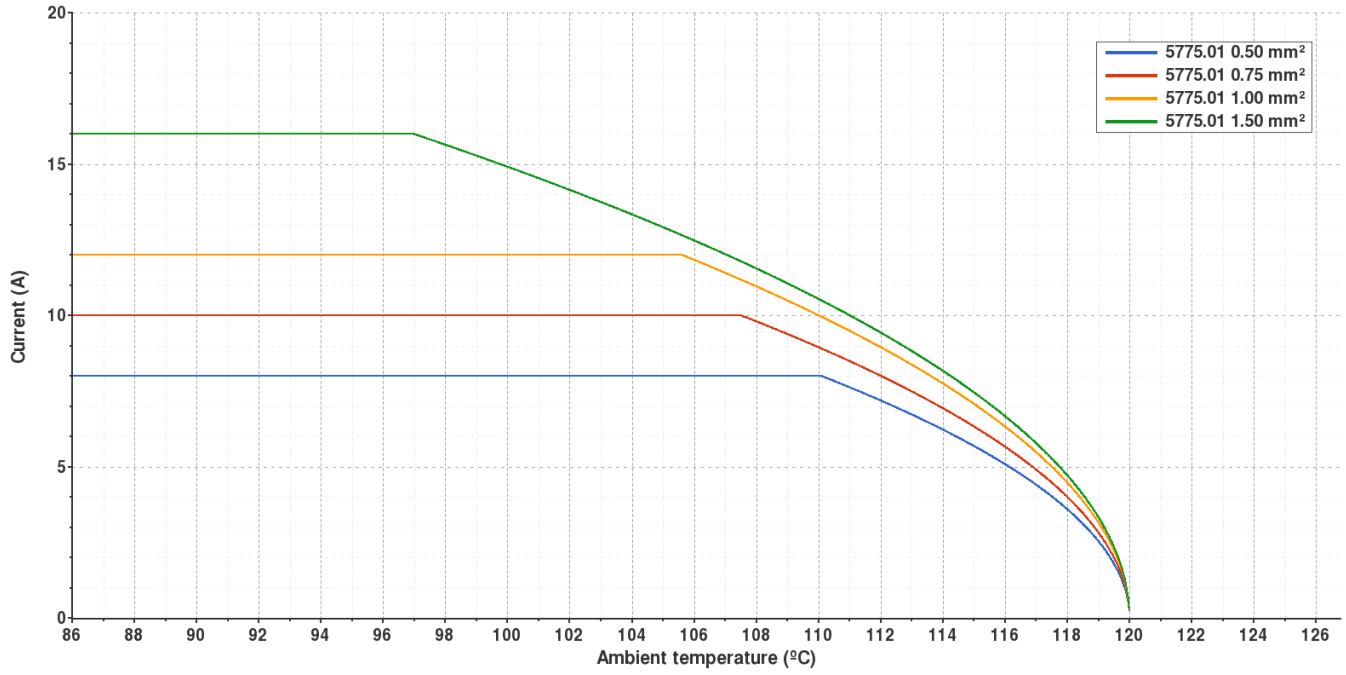
5775.01 PRE-TIN-PLATED BRASS

4.8 (.187) TYPE SERIES · FLAGS

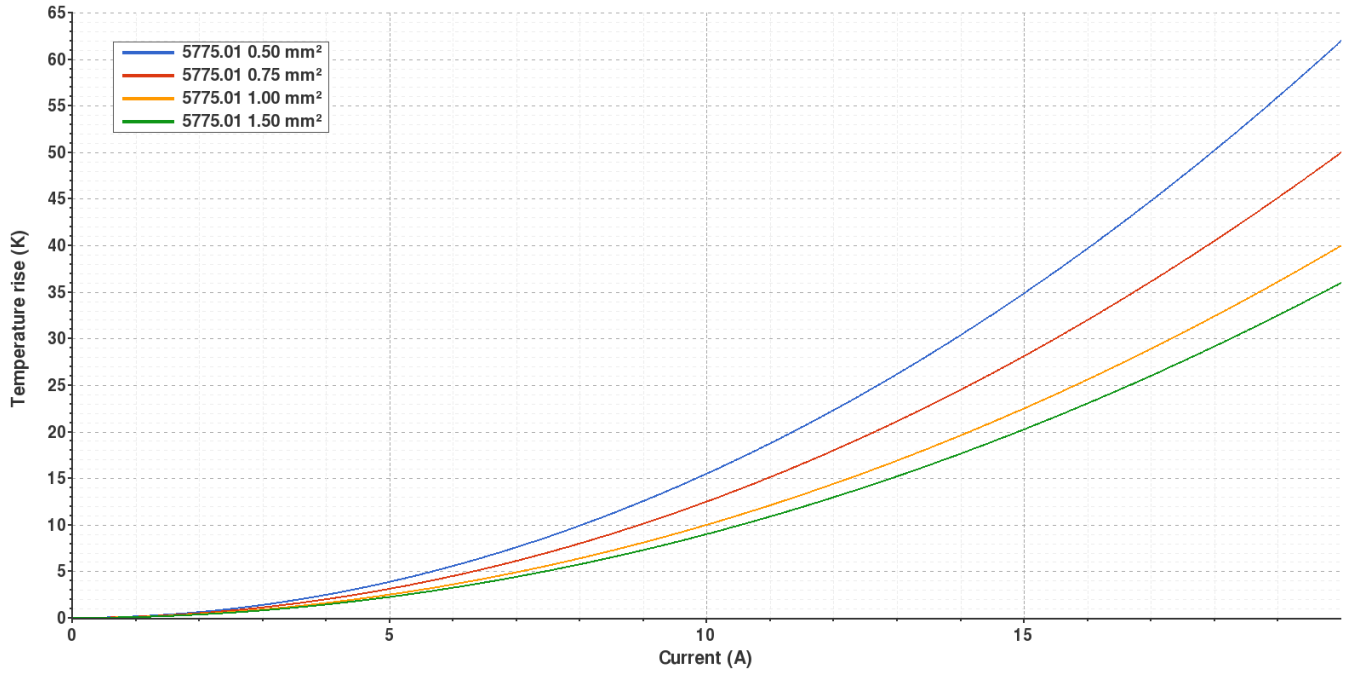
SELF-LOCKING RECEPTACLES. LOW INSERTION TERMINALS.

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

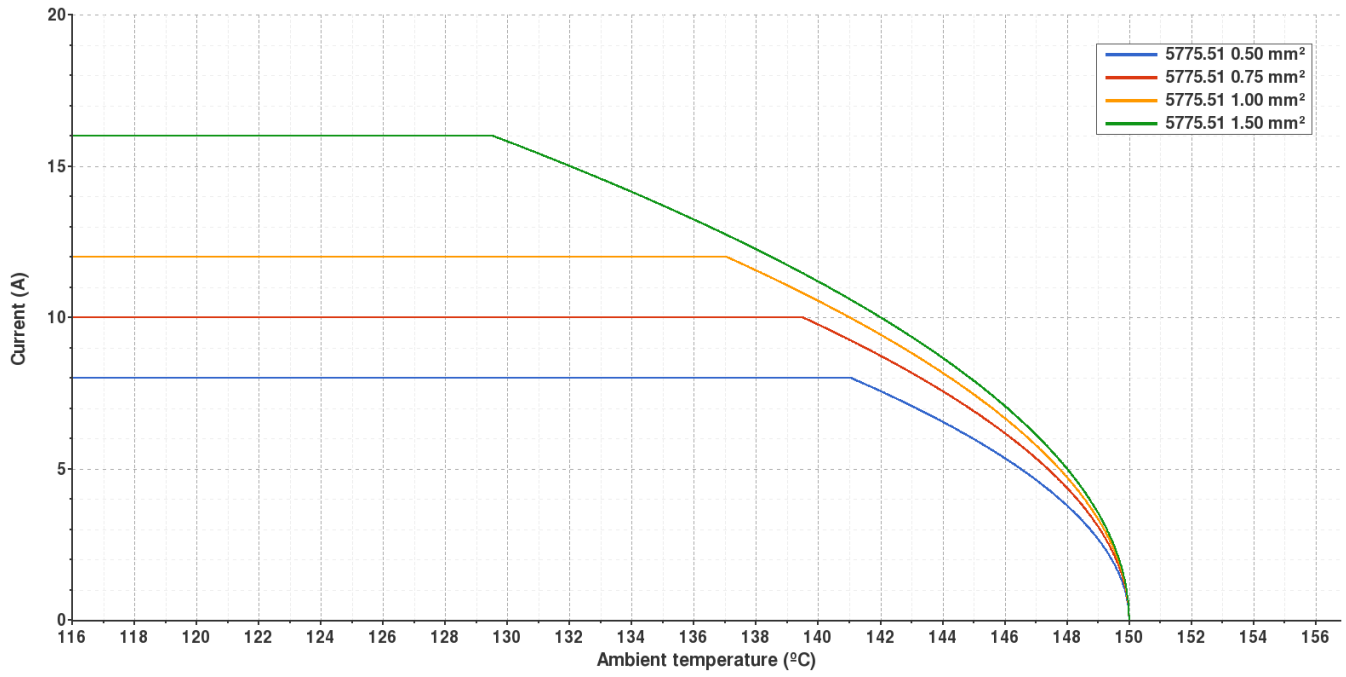
5775.51 PRE-TIN-PLATED CU. ALLOY

4.8 (.187) TYPE SERIES · FLAGS

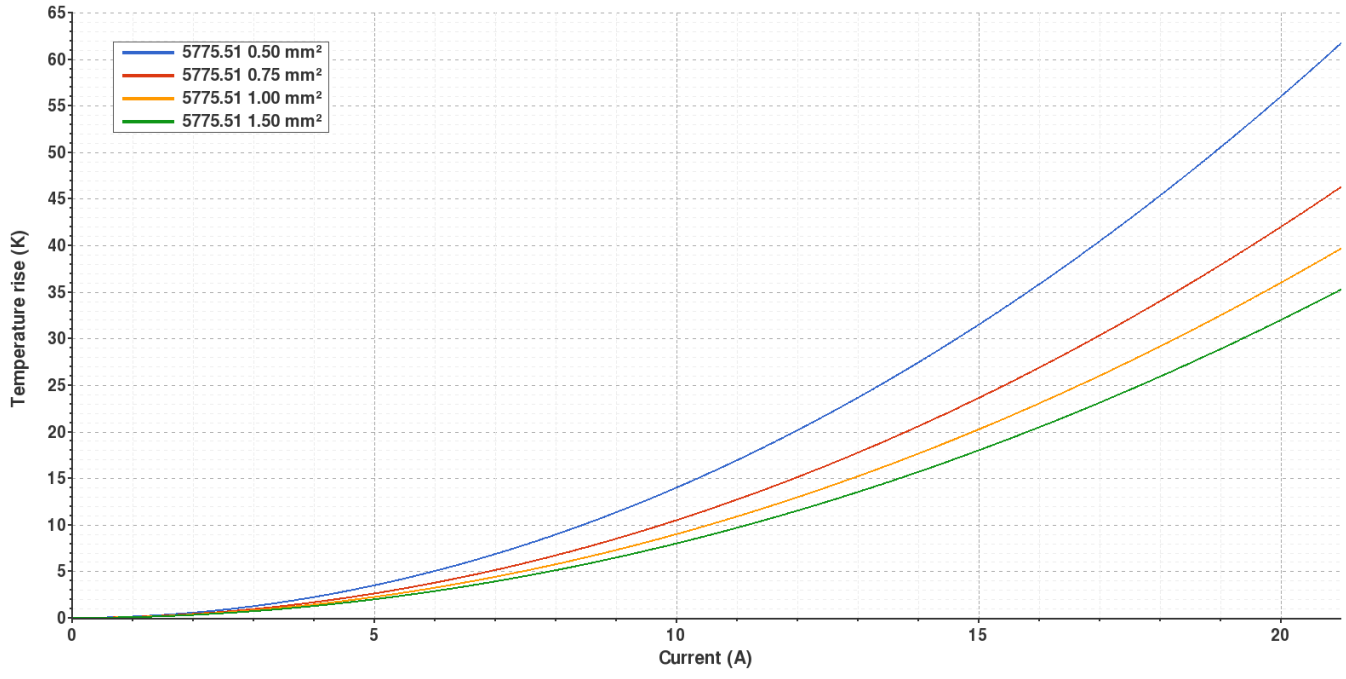
SELF-LOCKING RECEPTACLES. LOW INSERTION TERMINALS.

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

5775.**

4.8 (.187) TYPE SERIES · FLAGS

SELF-LOCKING RECEPTACLES. LOW INSERTION TERMINALS.

TP SEK3

Disclaimer

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Rev. Nr.	Concept	Date	Created/Revised	Approved
A3	Correction - Subtitle of the datasheet	2019-03-21	Laboratory Dept.	E. Roura
A2	Update de-rating curve	2018-11-26	Laboratory Dept.	E. Roura
A1	Datasheet generated automatically [A1]	2018-09-19	Laboratory Dept.	E. Roura

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