

## 4937J\*\*

### 6.3 (.250) TYPE SERIES · RECEPTACLES

SELF-LOCKING RECEPTACLES. LOW INSERTION TERMINALS.



**Specification** Self-locking terminals under TP design

**Typology** Extra low insertion

**For male (mm)** 6,3x0,8

**Wire size mm<sup>2</sup> (AWG)** 0,5-1,5 (20-16)

**Ø Insulation (mm)** 2,1-3,3

**Materials, temperature and contact resistance**

Part nr.	Material	Finishing	Max. Temp. (°C)	Contact Resist (mΩ)
4937J00	Brass	Natural	110	1.00
4937J01	Brass	Pre-tin-plated	120	0.75
4937J02	Brass	Tin plated	120	0.75
4937J24	Steel	Nickel-plated	300	2.50

**Material thickness (mm)** 0,4

**Max. rated current**

Wire section	4937J00 / 01 / 02 / 24
0.50 mm <sup>2</sup>	8A
0.75 mm <sup>2</sup>	10A
1.00 mm <sup>2</sup>	12A
1.50 mm <sup>2</sup>	16A

**Compatible connectors** 26418\*\*, RS5412\*\*-K, RS5413\*\*-K, RS5414\*\*-K, RS5415\*\*-K, 26417\*\*

**Insertion / Withdrawal forces**

	4937J00 / 01 / 02 / 24
1st Insertion (max)	20N <sup>1</sup>
1st Withdrawal (min, locking enabled)	90N <sup>1</sup>
1st Withdrawal (max)	25N <sup>1</sup>

<sup>1</sup> Valid for Natural Brass Tab

**Security 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** MN4937

**Wire strip length** 5.5 (±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 mm <sup>2</sup>	1.35 (±0.03)	2.57 (±0.03)	3.47 (±0.10)	56N @ 60s
0.75 mm <sup>2</sup>	1.45 (±0.05)	2.58 (±0.05)	3.48 (±0.10)	84N @ 60s
1.00 mm <sup>2</sup>	1.55 (±0.05)	2.59 (±0.05)	3.50 (±0.10)	108N @ 60s
1.50 mm <sup>2</sup>	1.70 (±0.05)	2.60 (±0.05)	3.51 (±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.

## 4937J\*\*

### 6.3 (.250) TYPE SERIES · RECEPTACLES

SELF-LOCKING RECEPTACLES. LOW INSERTION TERMINALS.



Winding number 6000

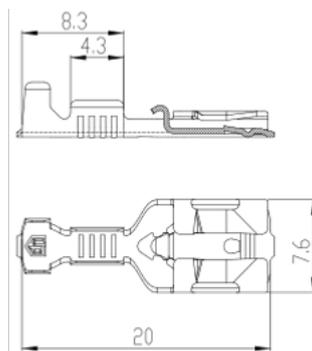
#### Approved regulations

Part nr.	Approval	Standard	File	Certified framework
4937J00	UL	UL 310	E211727	AWG 20-16 (10-26 Stranded Cu) / MN4937
4937J01	UL	UL 310	E211727	AWG 20-16 (10-26 Stranded Cu) / MN4937
4937J02	UL	UL 310	E211727	AWG 20-16 (10-26 Stranded Cu) / MN4937
4937J24	UL	UL 310	E211727	AWG 20-16 (10-26 Stranded Cu) / MN4937

#### Approvals



#### Drawing

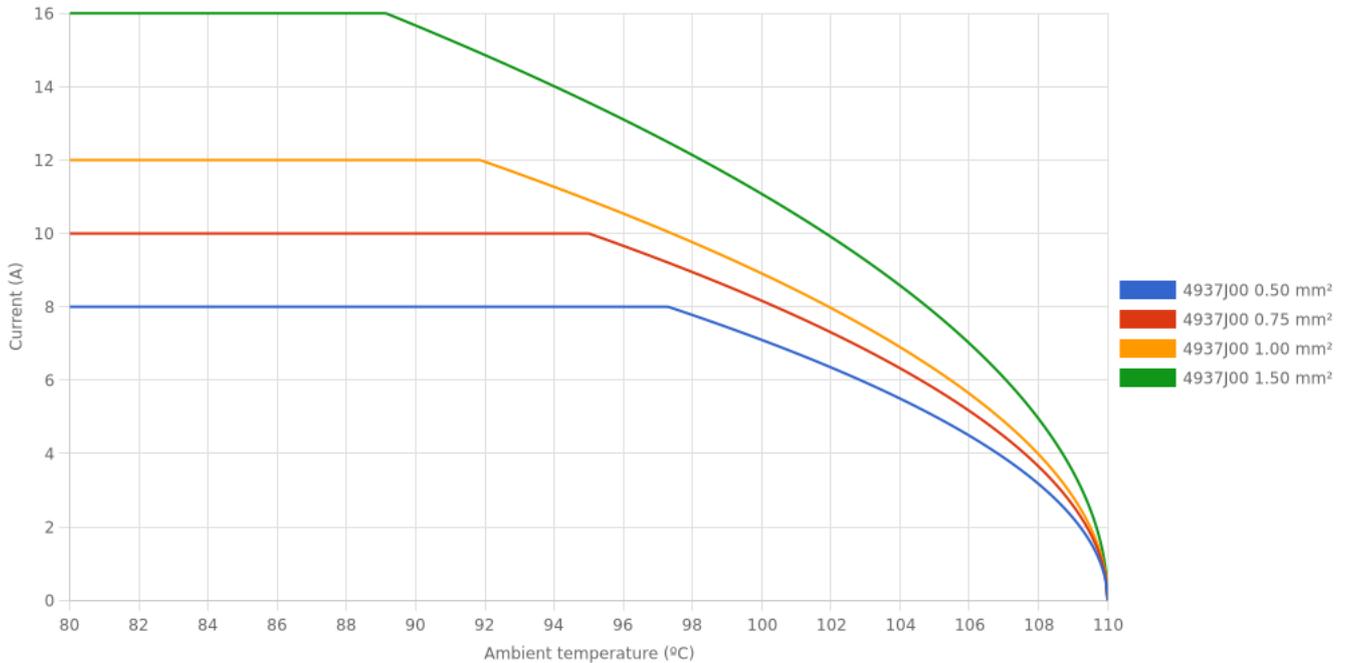


**4937J00 NATURAL BRASS**  
**6.3 (.250) TYPE SERIES · RECEPTACLES**  
SELF-LOCKING RECEPTACLES. LOW INSERTION TERMINALS.



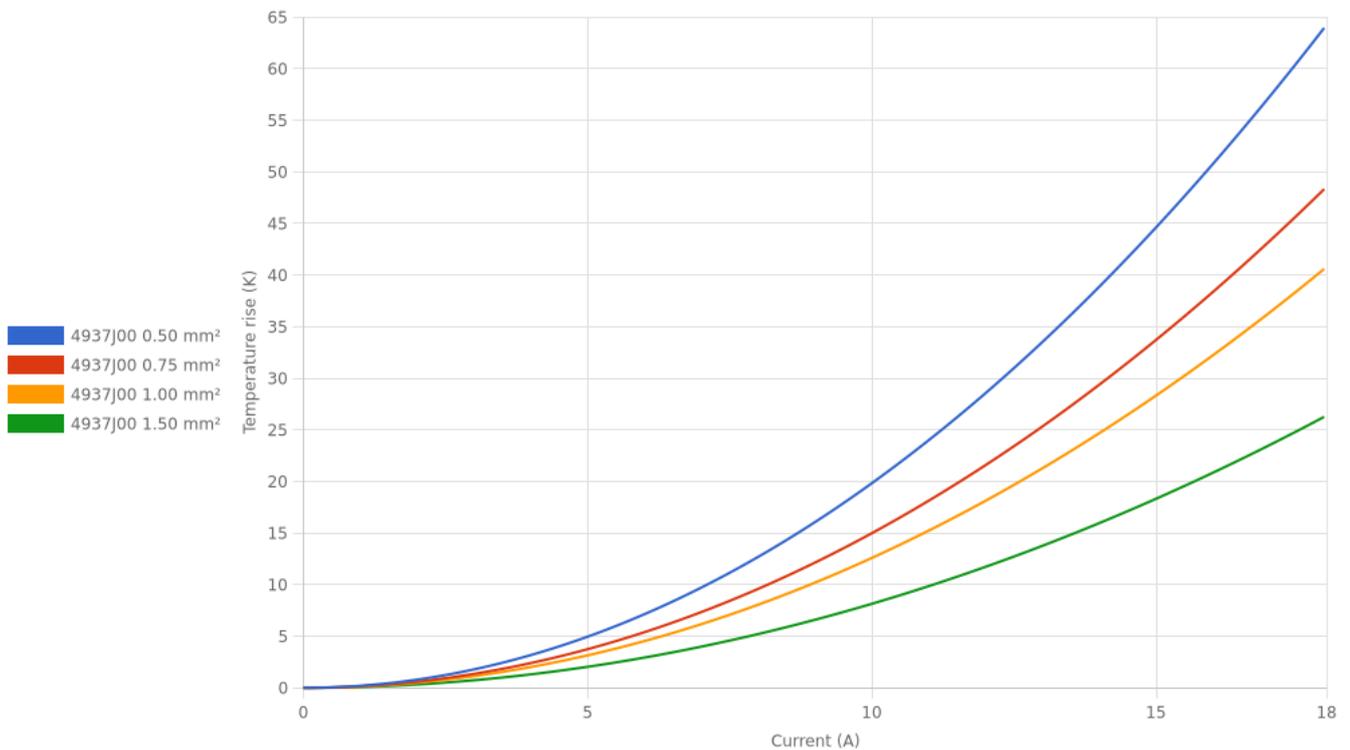
**Derating curve**

Current carrying capacity vs. Ambient temperature



**Temperature rise curve**

Terminal temperature rise due to the current carried



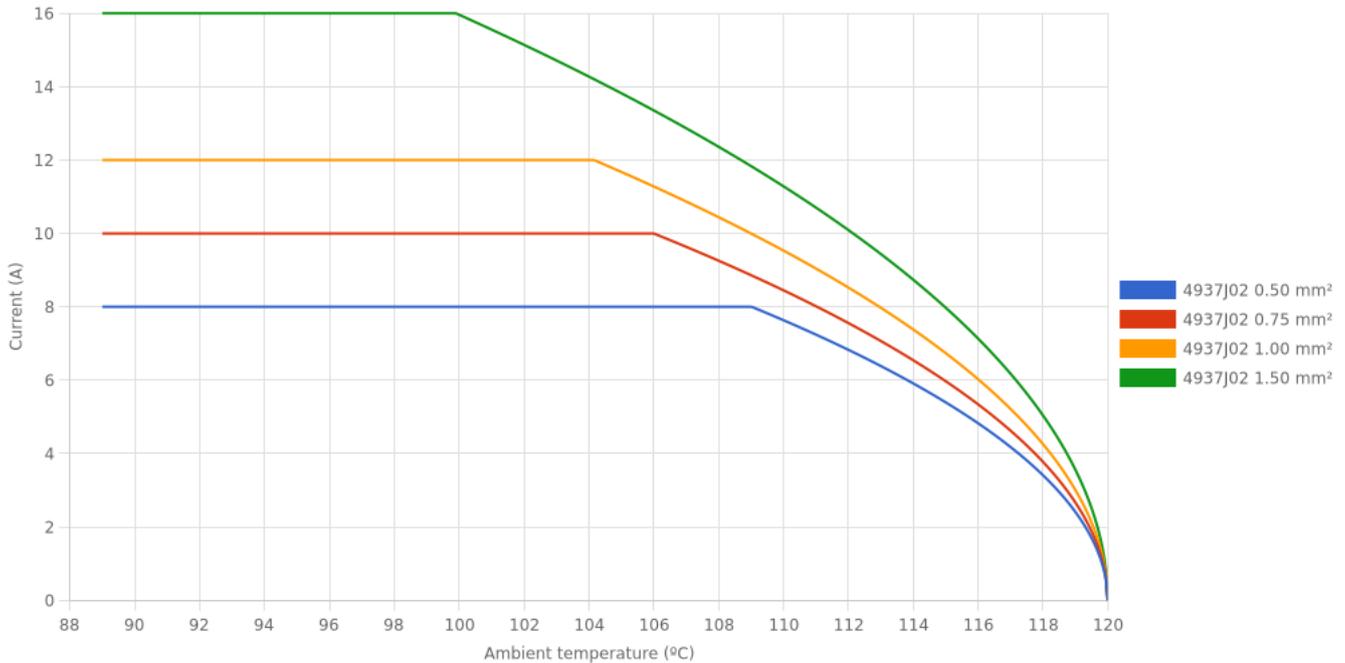
Valid for Natural Brass Tab

**4937J02 TIN PLATED BRASS**  
**6.3 (.250) TYPE SERIES · RECEPTACLES**  
SELF-LOCKING RECEPTACLES. LOW INSERTION TERMINALS.



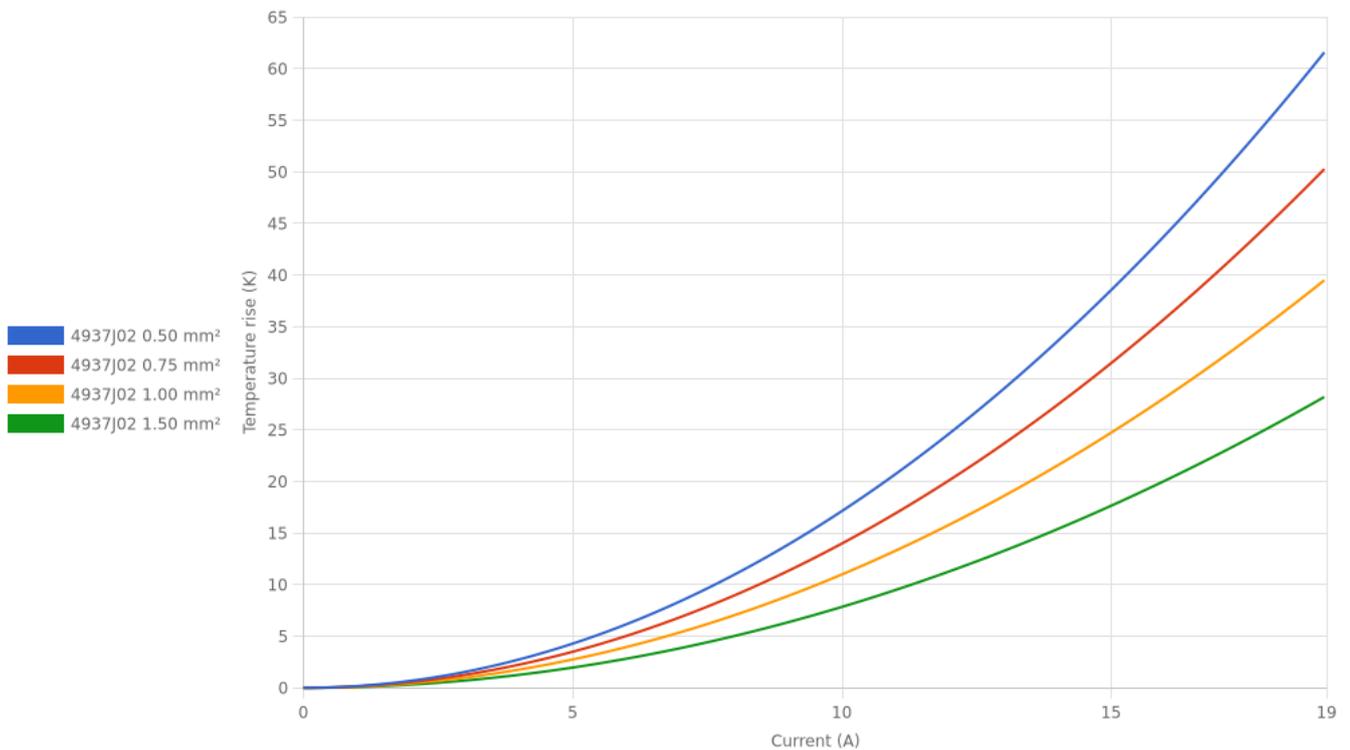
**Derating curve**

Current carrying capacity vs. Ambient temperature



**Temperature rise curve**

Terminal temperature rise due to the current carried



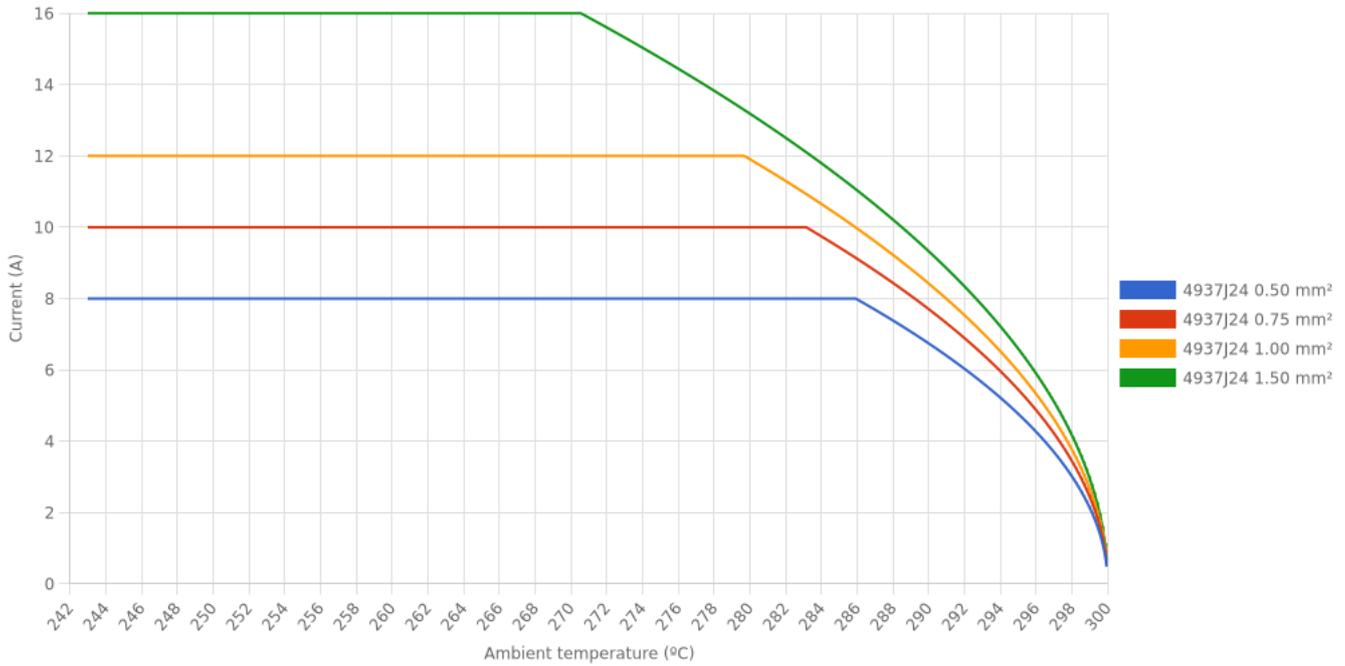
Valid for Natural Brass Tab

**4937J24 NICKEL-PLATED STEEL**  
**6.3 (.250) TYPE SERIES · RECEPTACLES**  
SELF-LOCKING RECEPTACLES. LOW INSERTION TERMINALS.



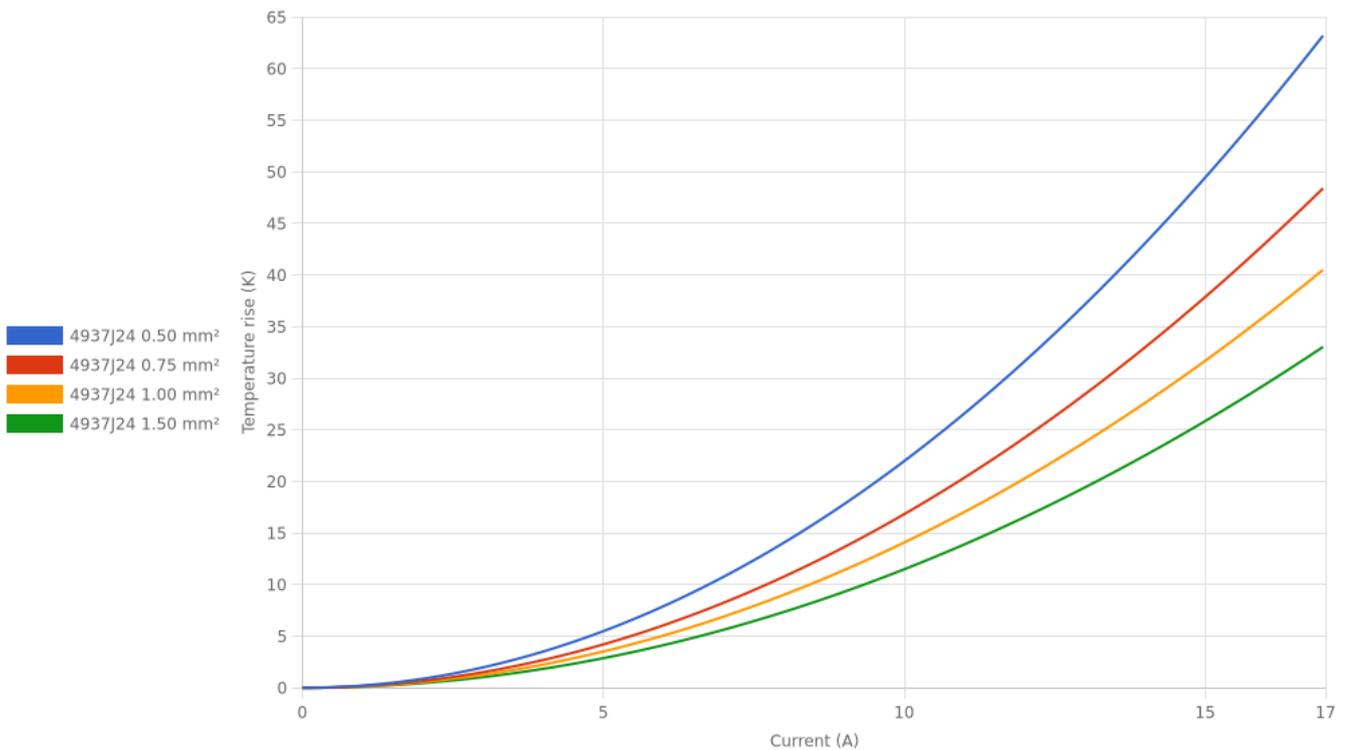
**Derating curve**

Current carrying capacity vs. Ambient temperature



**Temperature rise curve**

Terminal temperature rise due to the current carried



Valid for Natural Brass Tab

**4937J\*\*****6.3 (.250) TYPE SERIES · RECEPTACLES****SELF-LOCKING RECEPTACLES. LOW INSERTION TERMINALS.****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