

## 4941J\*\*

### 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)** 2,5-5 (14-10)

**Ø Insulation (mm)** 3,6-5

**Materials, temperature and contact resistance**

Part nr.	Material	Finishing	Max. Temp. (°C)	Contact Resist (mΩ)
4941J00	Brass	Natural	110	1.00
4941J01	Brass	Pre-tin-plated	120	0.75
4941J02	Brass	Tin plated	120	0.75
4941J24	Steel	Nickel-plated	300	2.50

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

**Max. rated current**

Wire section	4941J00 / 01 / 02 / 24
1.00 + 2.50 mm <sup>2</sup>	12A
1.50 + 1.50 mm <sup>2</sup>	16A
1.50 + 2.50 mm <sup>2</sup>	16A
2.50 mm <sup>2</sup>	20A
2.50 + 2.50 mm <sup>2</sup>	20A

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

**Insertion / Withdrawal forces**

	4941J00 / 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** MN4941

**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)		
1.00 + 2.50 mm <sup>2</sup>	2.15 (±0.05)	3.66 (±0.05)	5.50 (±0.10)	(108N @ 60s) + (230N @ 60s)
1.50 + 1.50 mm <sup>2</sup>	2.05 (±0.05)	3.66 (±0.05)	5.50 (±0.10)	(150N @ 60s) + (150N @ 60s)
1.50 + 2.50 mm <sup>2</sup>	2.30 (±0.05)	3.67 (±0.05)	5.50 (±0.10)	(150N @ 60s) + (230N @ 60s)
2.50 mm <sup>2</sup>	1.95 (±0.05)	3.68 (±0.05)	5.50 (±0.10)	230N @ 60s
2.50 + 2.50 mm <sup>2</sup>	2.50 (±0.05)	3.70 (±0.05)	5.70 (±0.10)	(230N @ 60s) + (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.

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Winding number 6000

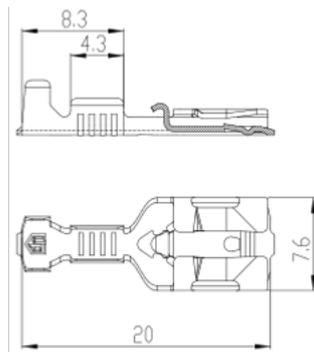
**Approved regulations**

Part nr.	Approval	Standard	File	Certified framework
4941J00	UL	UL 310	E211727	AWG 14-14+16 (41-41+26 Stranded Cu) / MN4941
4941J01	UL	UL 310	E211727	AWG 14-14+16 (41-41+26 Stranded Cu) / MN4941
4941J02	UL	UL 310	E211727	AWG 14-14+16 (41-41+26 Stranded Cu) / MN4941
4941J24	UL	UL 310	E211727	AWG 14-14+16 (41-41+26 Stranded Cu) / MN4941

**Approvals**



**Drawing**

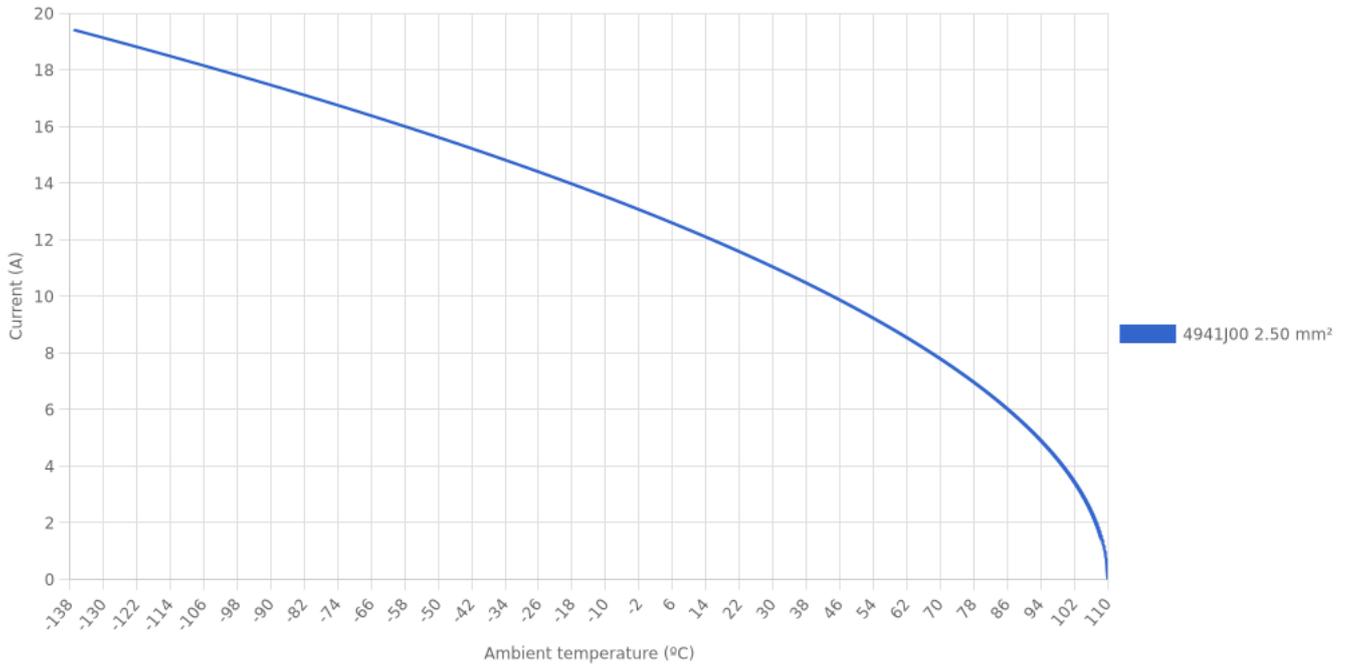


**4941J00 NATURAL BRASS**  
**6.3 (.250) TYPE SERIES · RECEPTACLES**  
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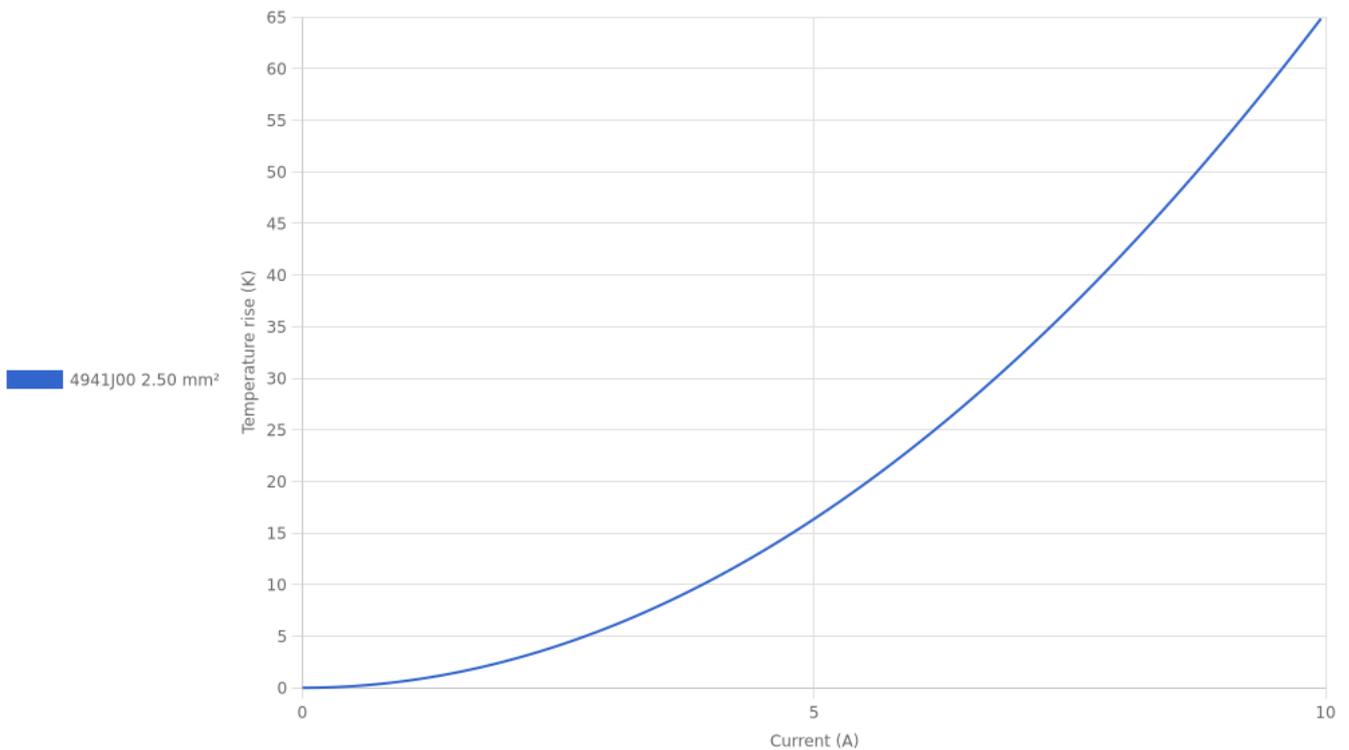
**Derating curve**

Current carrying capacity vs. Ambient temperature



**Temperature rise curve**

Terminal temperature rise due to the current carried



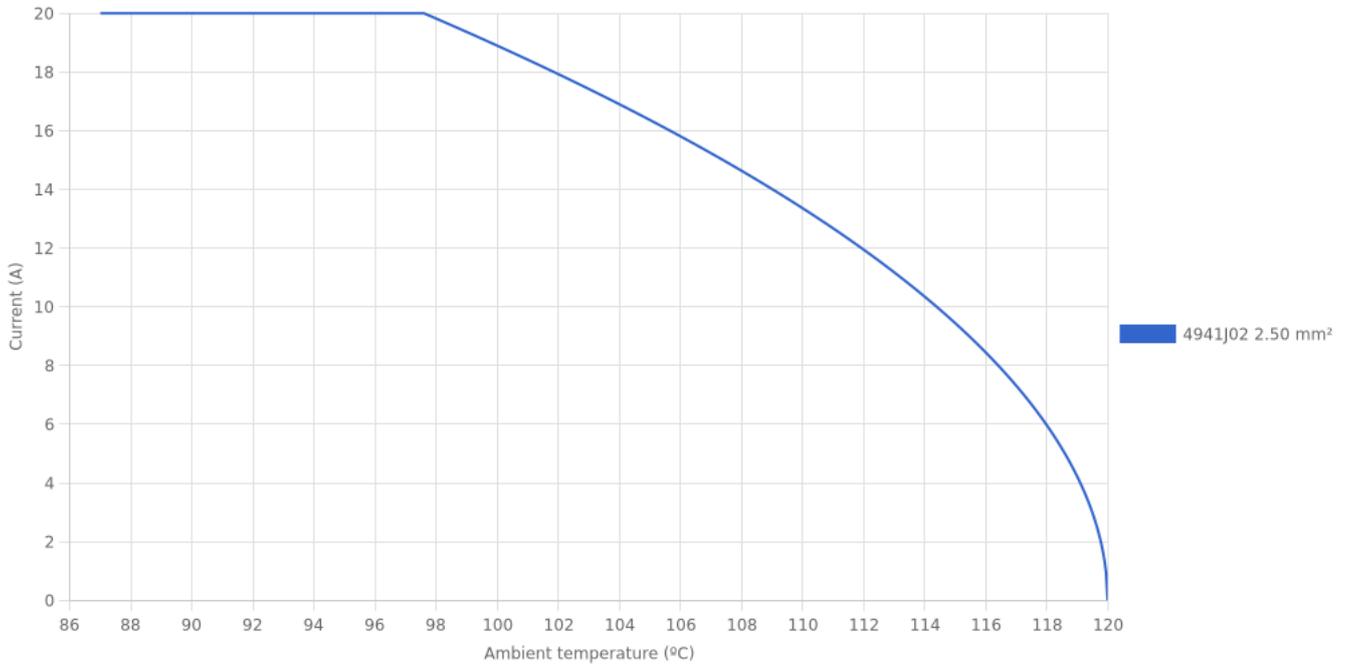
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**4941J02 TIN PLATED BRASS**  
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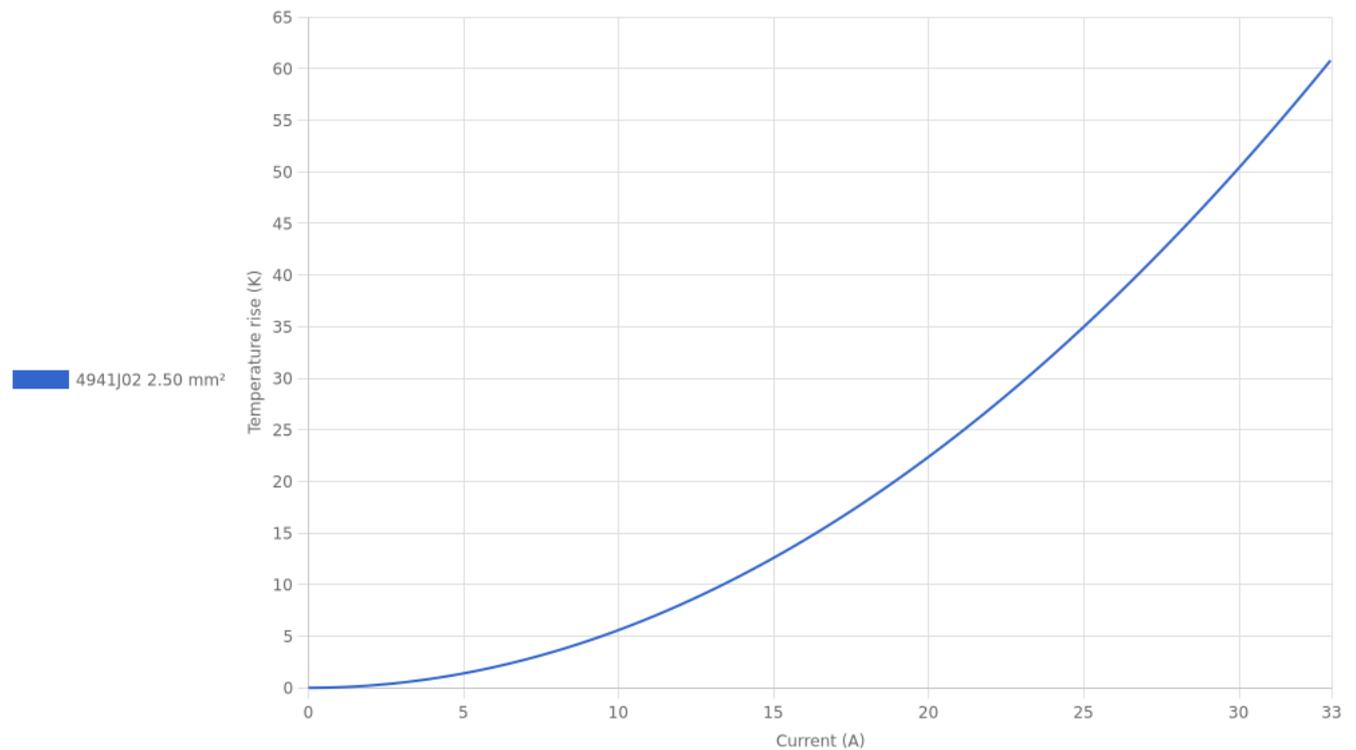
**Derating curve**

Current carrying capacity vs. Ambient temperature



**Temperature rise curve**

Terminal temperature rise due to the current carried



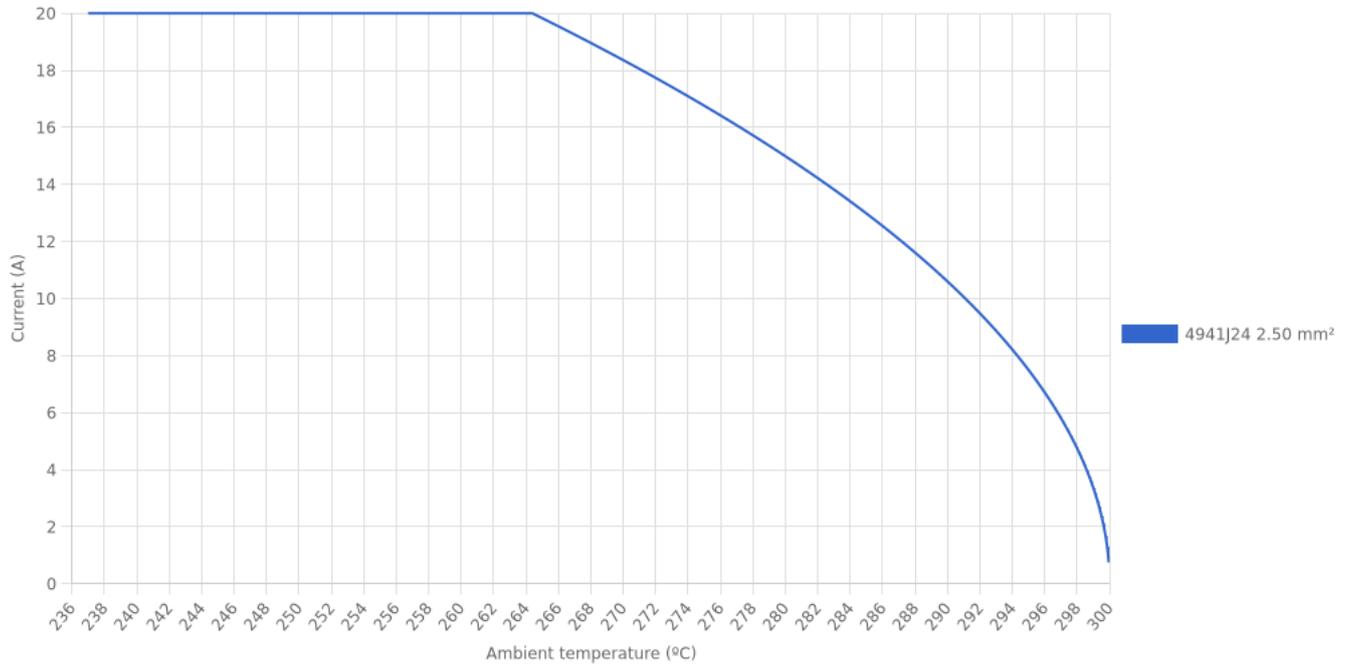
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**4941J24 NICKEL-PLATED STEEL**  
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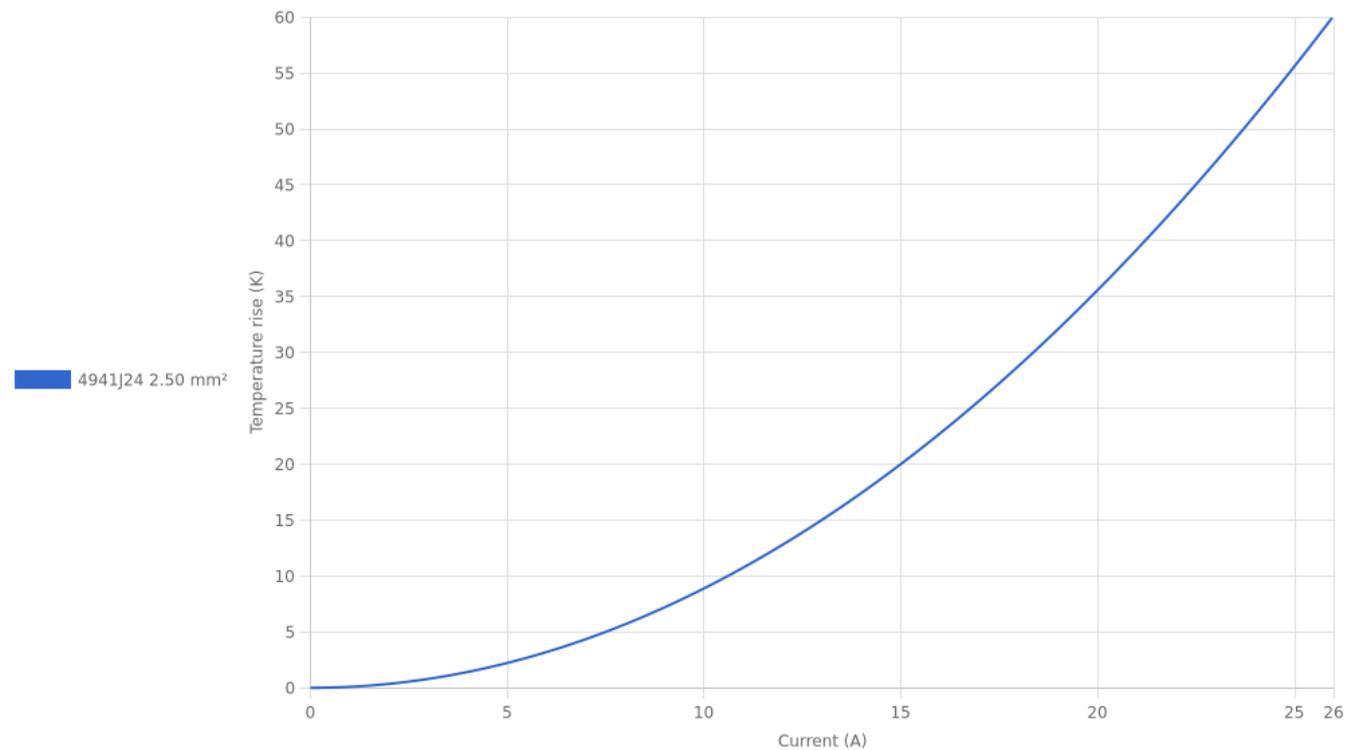
**Derating curve**

Current carrying capacity vs. Ambient temperature



**Temperature rise curve**

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**4941J\*\*****6.3 (.250) TYPE SERIES · RECEPTACLES****SELF-LOCKING RECEPTACLES. LOW INSERTION TERMINALS.****Disclaimer**

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