

## 5333.\*\*

### RAST 5 TERMINALS AND CONNECTORS · FLAGS FOR CONNECTOR



**Specification** RAST 5 CRIMP CONNECT

**Typology** Without Upper Dimple

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

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

**Ø Insulation (mm)** 1,9-3,3

**Materials, temperature and contact resistance**

Part nr.	Material	Finishing	Max. Temp. (°C)	Contact Resist (mΩ)
5333.00	Brass	Natural	110	(T.B.D.)
5333.01	Brass	Pre-tin-plated	120	0.50
5333.30	Bronze	Natural	120	(T.B.D.)
5333.31	Bronze	Pre-tin-plated	130	(T.B.D.)
5333.24	Steel	Nickel-plated	300	2.00
5333.70	German Silver	Natural	210	(T.B.D.)

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

**Max. rated current**

Wire section	5333.00 / 01 / 30 / 31 / 24 / 70
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



**Insertion / Withdrawal forces**

	5333.00 / 01 / 30 / 31	5333.24 / 70
1st Insertion (max)	20N <sup>1</sup>	25N <sup>1</sup>
1st Withdrawal (max)	40N <sup>1</sup>	40N <sup>1</sup>
6th Withdrawal (min)	13N <sup>1</sup>	13N <sup>1</sup>

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

**Application tool** MN5333

**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>	1.40 (±0.03)	2.48 (±0.03)	3.60 (±0.10)	56N @ 60s
0.75 mm <sup>2</sup>	1.45 (±0.05)	2.48 (±0.05)	3.60 (±0.10)	84N @ 60s
1.00 mm <sup>2</sup>	1.50 (±0.05)	2.51 (±0.05)	3.60 (±0.10)	108N @ 60s
1.50 mm <sup>2</sup>	1.65 (±0.05)	2.53 (±0.05)	3.60 (±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** 3500

**Compatible connectors** 26337\*\*, P8533\*\*, P8534\*\*, P8535\*\*, R55310\*\*-K, R55312\*\*-K, R5532\*\*-K, R5533\*\*-K, R5534\*\*-K, R5535\*\*-K, R5536\*\*-K, R5537\*\*-K, R5538\*\*-K, R5539\*\*-K

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#### Approved regulations

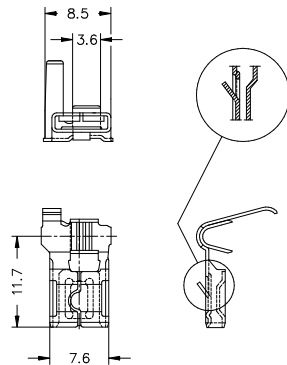
Part nr.	Approval	Standard	File	Certified framework
5333.00 <sup>1</sup>	UL	UL 1977	E222213	AWG 20-16
5333.01 <sup>1</sup>	UL	UL 1977	E222213	AWG 20-16
5333.30 <sup>1</sup>	UL	UL 1977	E222213	AWG 20-16
5333.31 <sup>1</sup>	UL	UL 1977	E222213	AWG 20-16
5333.24 <sup>1</sup>	UL	UL 1977	E222213	AWG 20-16

<sup>1</sup> Cat. No. meets with the standard UL1977 as a component of UP-RAST5 full connection system.  
 Rated current and voltage:  
 600V - 12A

#### Approvals



#### Drawing

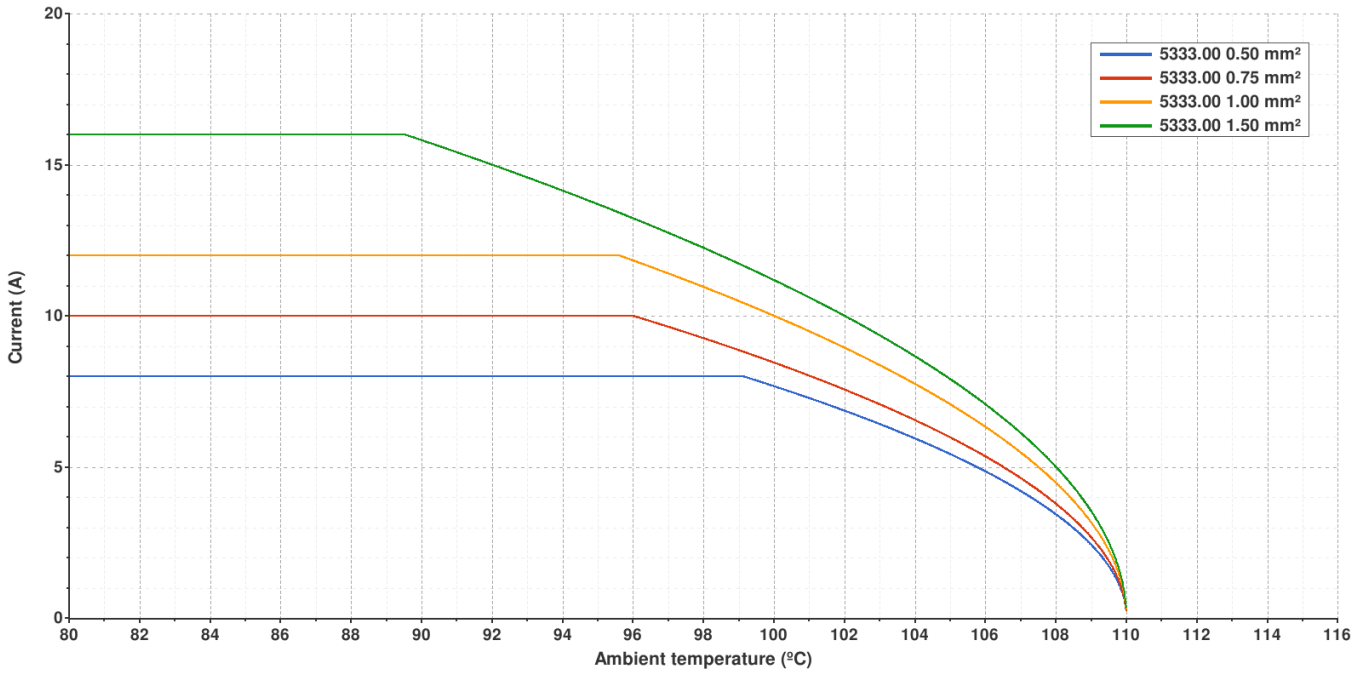


**5333.00 NATURAL BRASS**

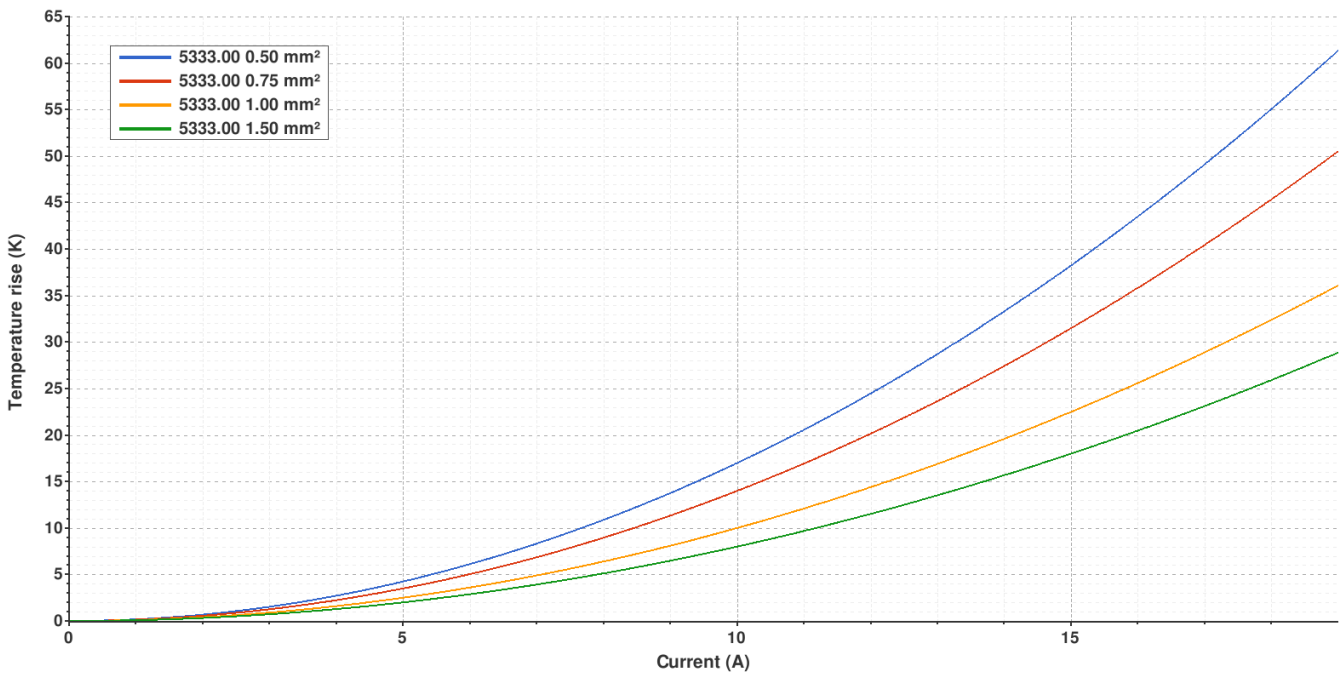


**RAST 5 TERMINALS AND CONNECTORS · FLAGS FOR CONNECTOR**

**Derating curve** Current carrying capacity vs. Ambient temperature



**Temperature rise curve** Terminal temperature rise due to the current carried



Valid for Natural Brass Tab

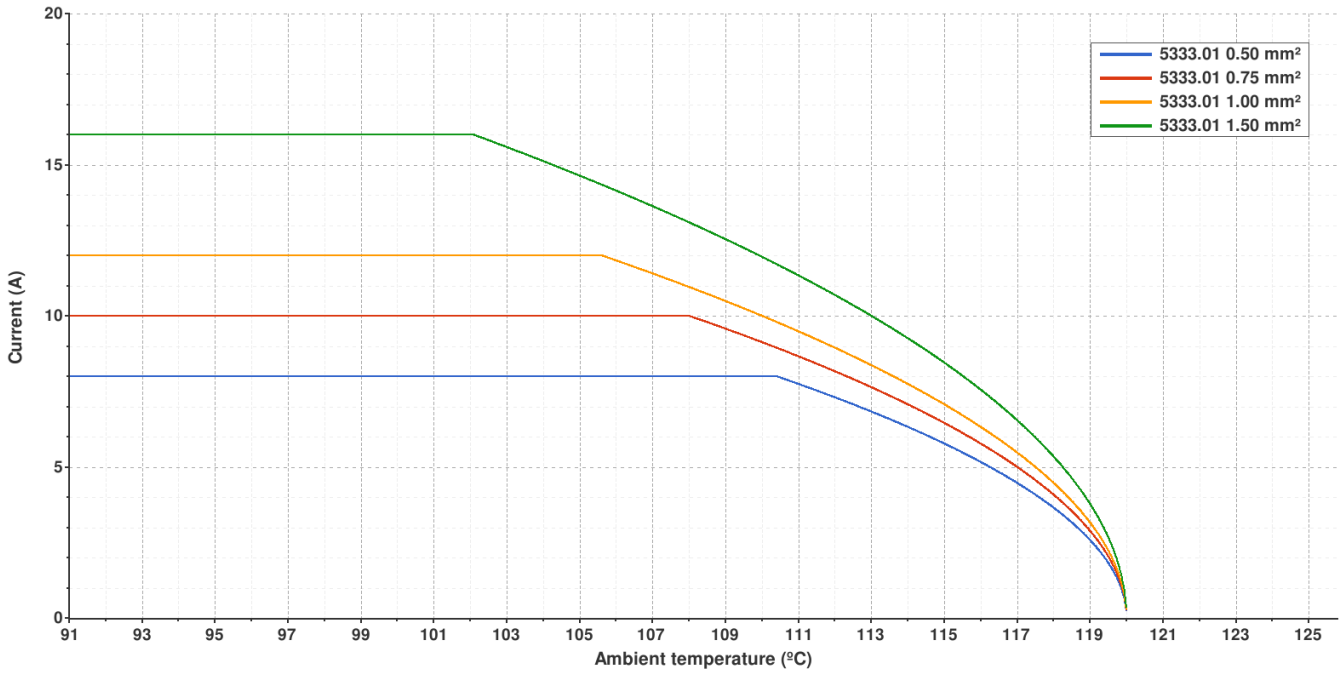
**5333.01 PRE-TIN-PLATED BRASS**

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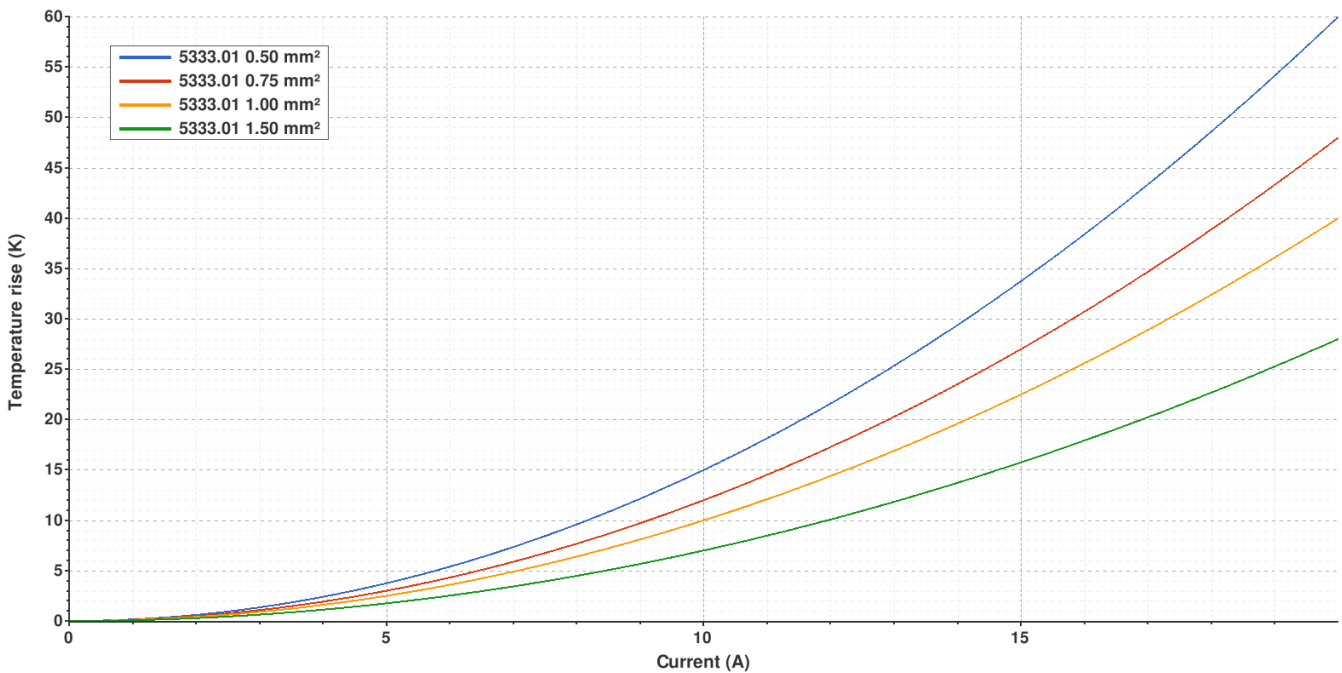
**Derating curve**

Current carrying capacity vs. Ambient temperature



**Temperature rise curve**

Terminal temperature rise due to the current carried

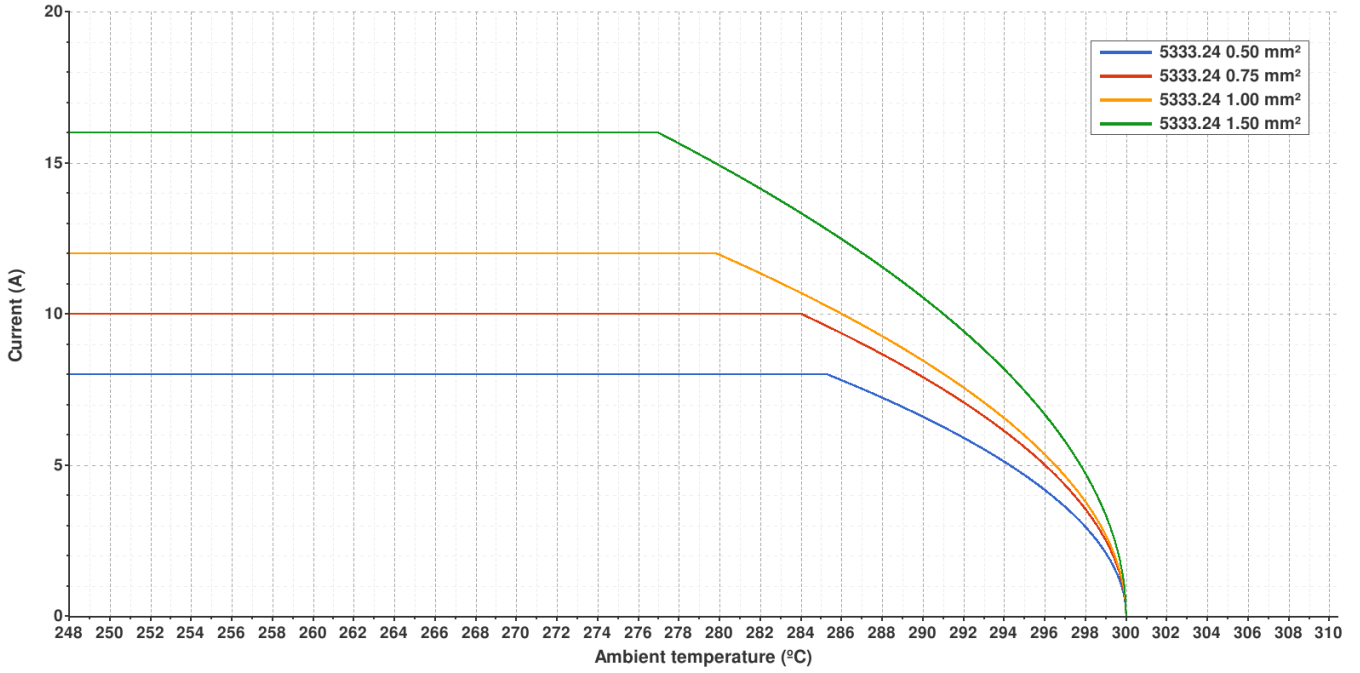


Valid for Natural Brass Tab

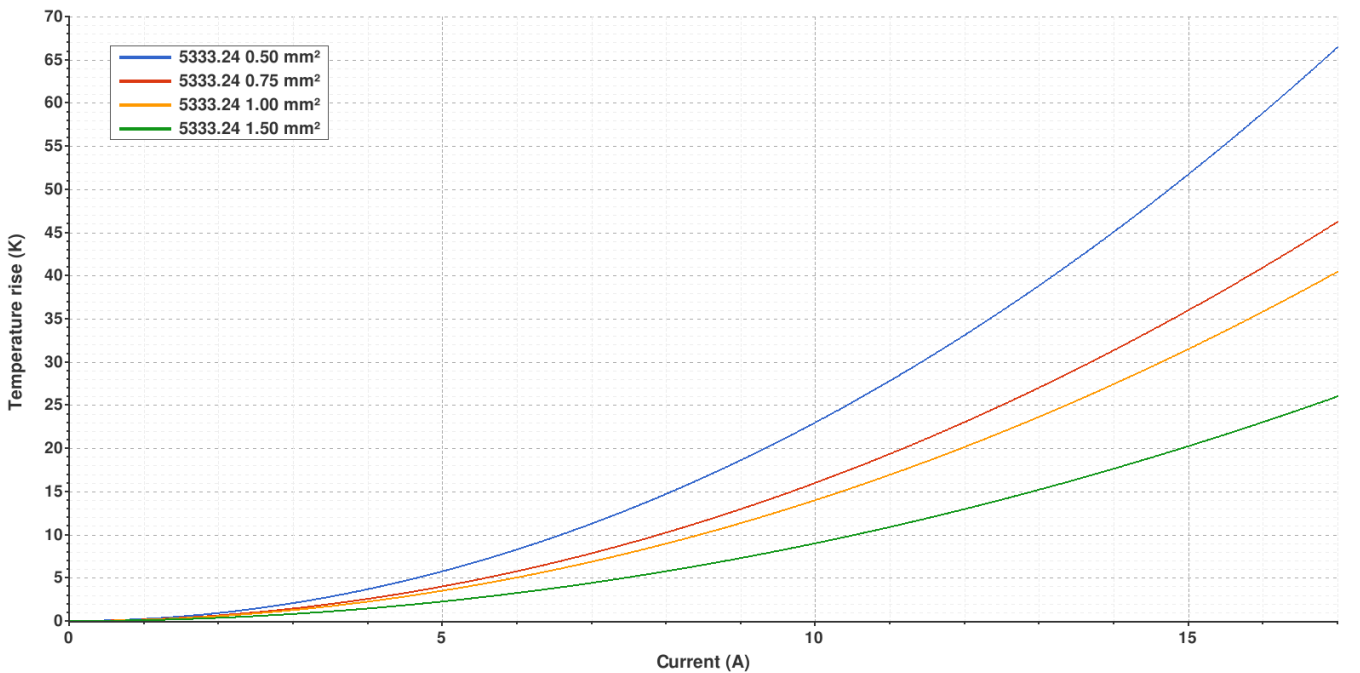
**5333.24 NICKEL-PLATED STEEL**  
**RAST 5 TERMINALS AND CONNECTORS · FLAGS FOR CONNECTOR**



**Derating curve** Current carrying capacity vs. Ambient temperature



**Temperature rise curve** Terminal temperature rise due to the current carried



Valid for Natural Brass Tab

**5333.\*\***
**RAST 5 TERMINALS AND CONNECTORS · FLAGS FOR CONNECTOR**


(T.B.D.): To be determined

**Disclaimer**

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Rev. Nr.	Concept	Date	Created/Revised	Approved
A3	Update insulation crimp specifications	2023-01-27	Laboratory Dept.	E. Roura (Laboratory Dept.)
A2	Change company name and logo	2021-10-21	Laboratory Dept.	E. Roura
A1	Datasheet generated automatically [A1]	2019-01-21	Laboratory Dept.	E. Roura

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