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 mm² (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. (ºC)
5333.00	Brass	Natural	110
5333.01	Brass	Pre-tin-plated	120
5333.24	Steel	Nickel-plated	300
5333.30	Bronze	Natural	120
5333.31	Bronze	Pre-tin-plated	130
5333.70	German Silver	Natural	210

Material thickness (mm) 0,4

Insertion / Withdrawal forces

	5333.00 / 01 / 30 / 31	5333.24 / 70
1st Insertion (max)	20N[1]	25N[1]
1st Withdrawal (max)	40N[1]	40N[1]
6th Withdrawal (min)	6N[1]	6N[1]

[1] 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 mm²	1.40 (±0.03)	2.48 (±0.03)	3.60 (±0.10)	56N @ 60s
0.75 mm²	1.45 (±0.05)	2.48 (±0.05)	3.60 (±0.10)	84N @ 60s
1.00 mm²	1.50 (±0.05)	2.51 (±0.05)	3.60 (±0.10)	108N @ 60s
1.50 mm²	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

Max. rated current

Wire section	5333.00 / 01 / 24 / 30 / 31 / 70
0.50 mm²	8A
0.75 mm²	10A
1.00 mm²	12A
1.50 mm²	16A

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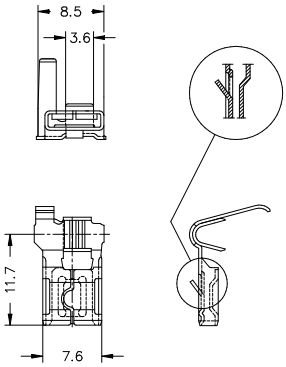
Approved regulations

Part nr.	Approval	Standard	File	Certified framework
5333.00[1]	UL	UL 1977	E222213	AWG 20-16
5333.01[1]	UL	UL 1977	E222213	AWG 20-16
5333.01[2]	VDE	EN 61984	DE1-70504/B1	
5333.24[1]	UL	UL 1977	E222213	AWG 20-16
5333.30[1]	UL	UL 1977	E222213	AWG 20-16
5333.31[1]	UL	UL 1977	E222213	AWG 20-16

[1] Cat. No. meets with the standard UL1977 as a component of UP-RAST5 full connection system.
Rated current and voltage:
600V - 12A
[2] Cat. No. meets with the standard EN611984 as a component of UP-RAST5 connection Series. 400V; max 20A

Approvals

Drawing



5333.00 NATURAL BRASS

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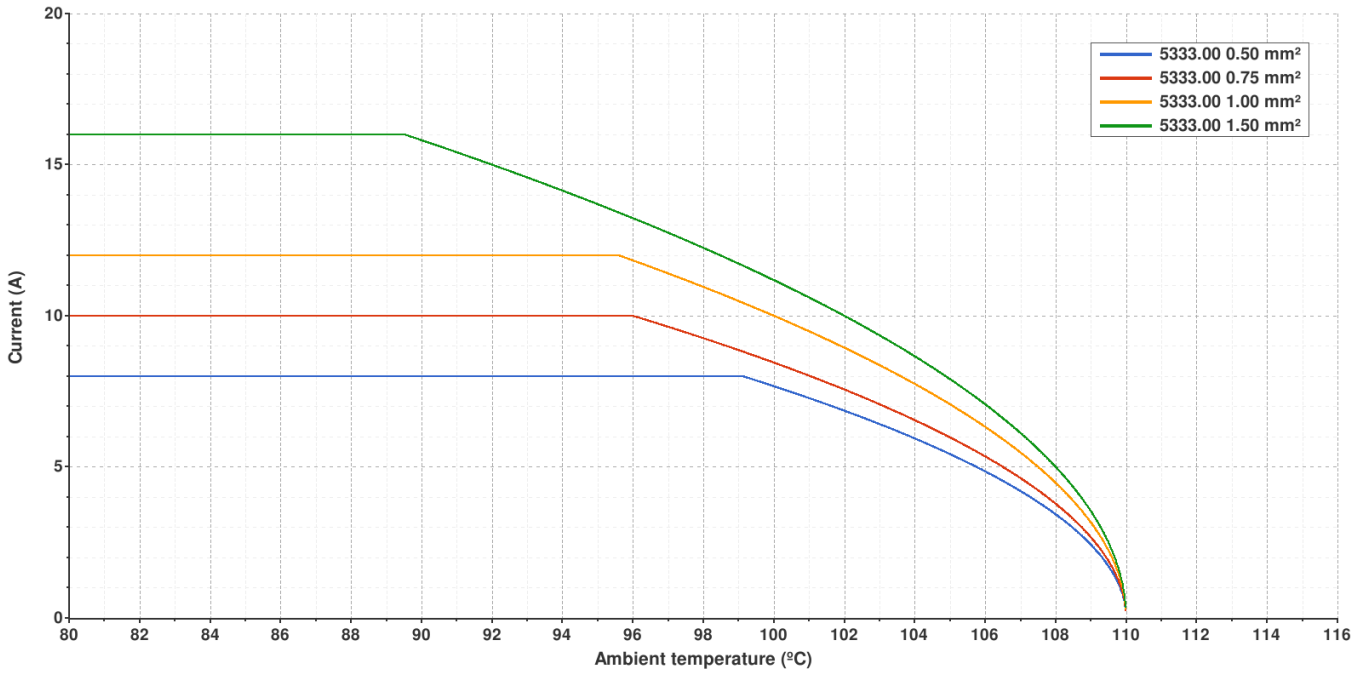
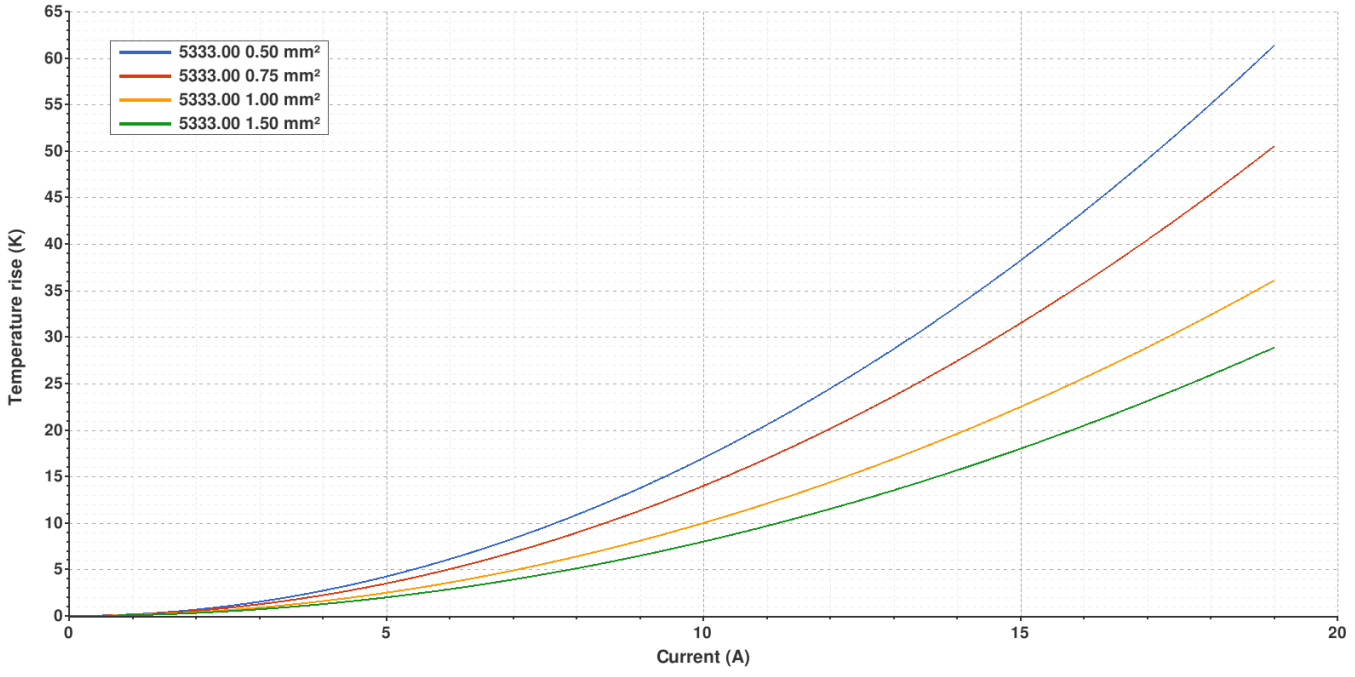
Derating curve Current carrying capacity vs. Ambient temperature



Temperature rise curve Terminal temperature rise due to the current carried



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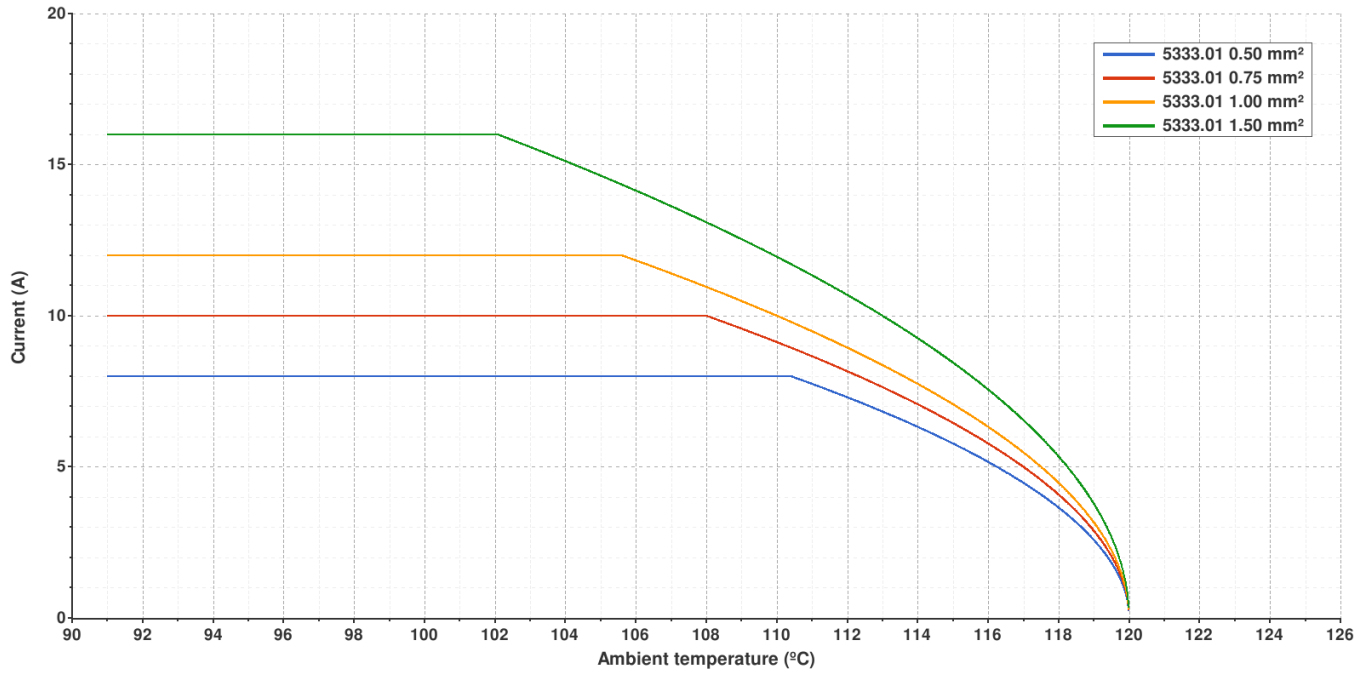
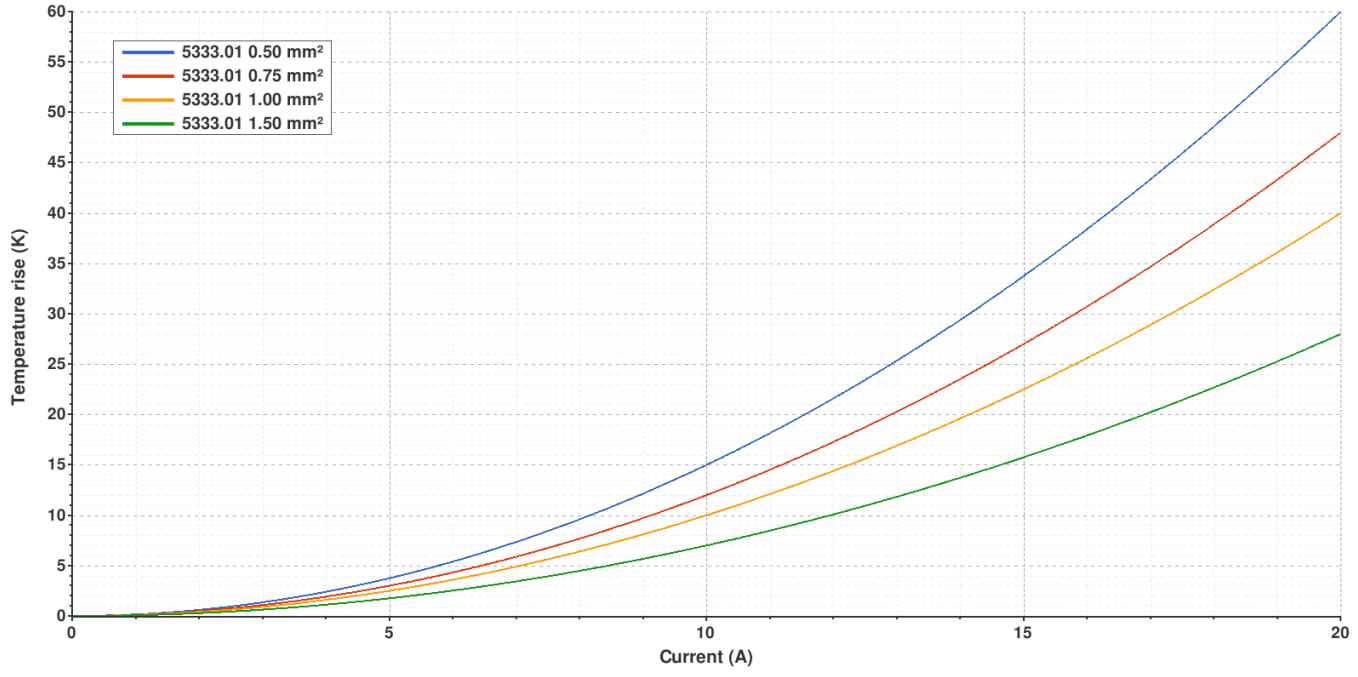
5333.01 PRE-TIN-PLATED BRASS

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



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5333.24 NICKEL-PLATED STEEL

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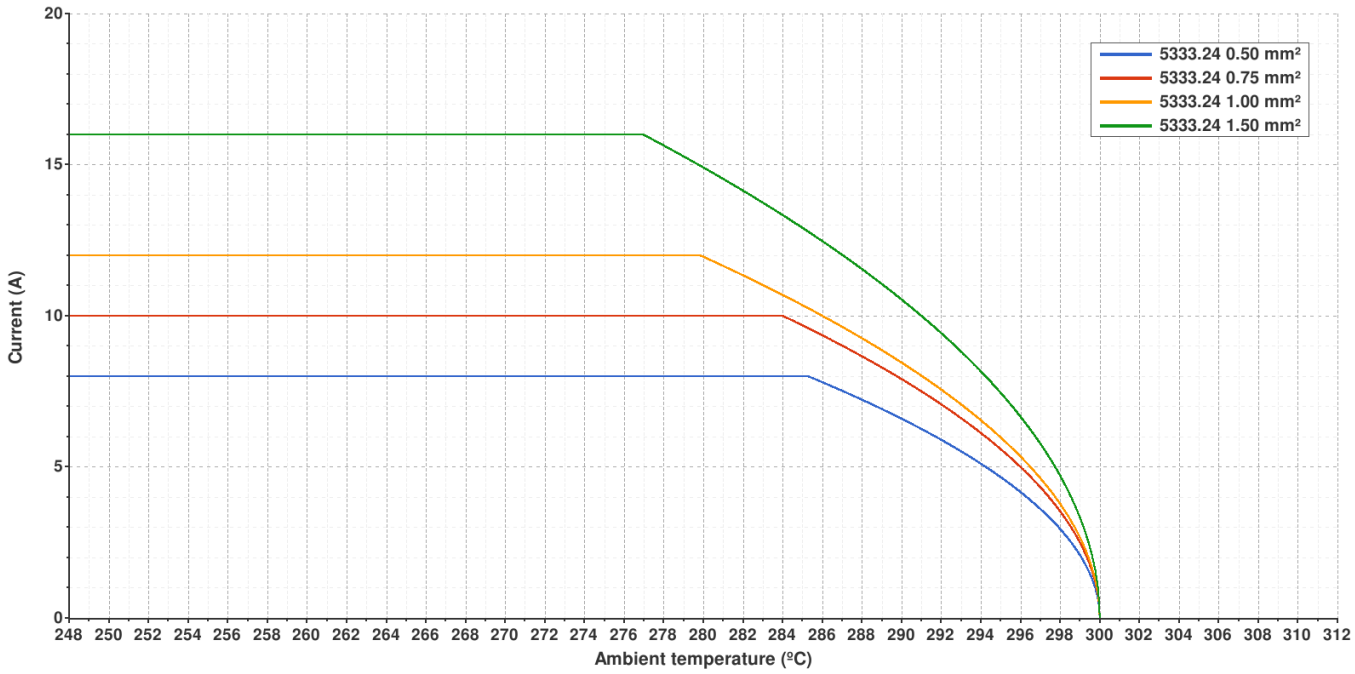
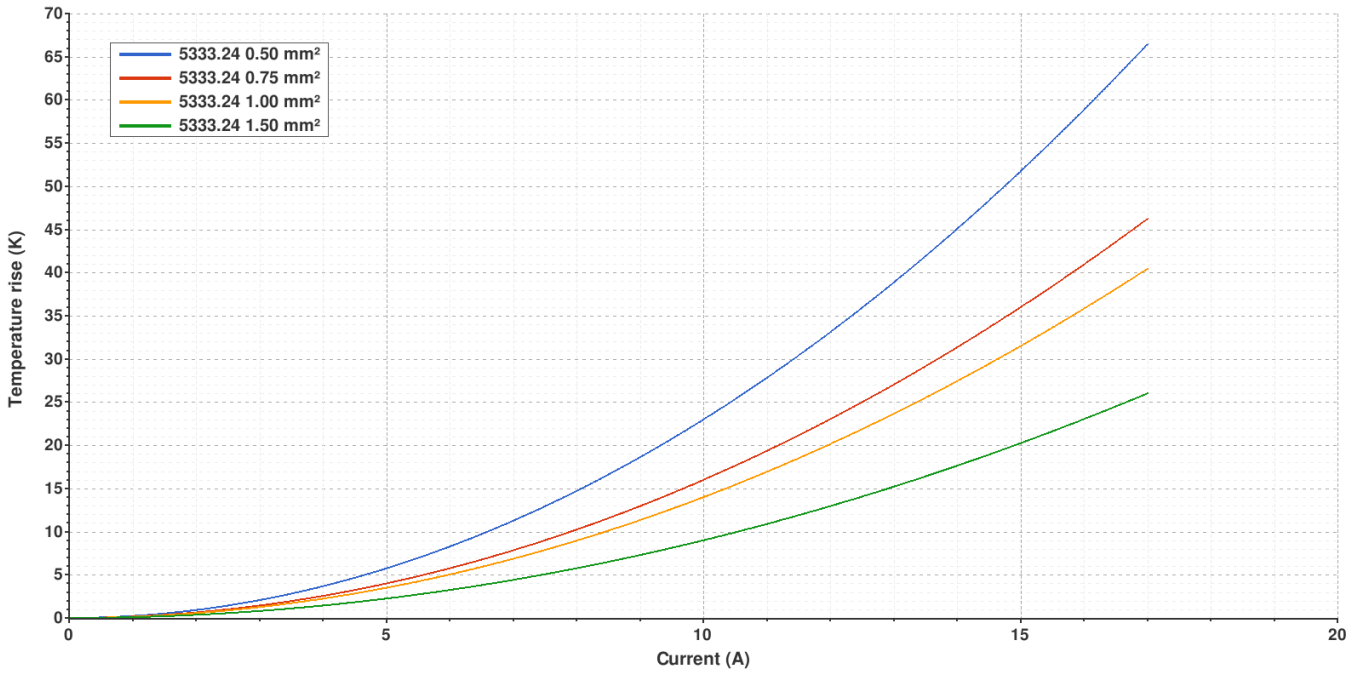
Derating curve Current carrying capacity vs. Ambient temperature



Temperature rise curve Terminal temperature rise due to the current carried



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Rev. Nr.	Concept	Date	Created/Revised	Approved
A5	Update standards & regulations	2026-01-27	E. Roura (laboratory dept.)	E. Turon (engineering dept.)
A4	Update insertion / withdrawal forces	2025-03-18	E. Roura (laboratory dept.)	E. Turon (engineering dept.)
A3	Update insulation crimp specifications	2023-01-27	Laboratory Dept.	E. Roura (Laboratory Dept.)
A2	Change company name and logo	2021-10-21	Labotaroy Dept.	E. Roura
A1	Datasheet generated automatically [A1]	2019-01-21	Labotaroy Dept.	E. Roura

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