

5335.**

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) 1-2,5 (18-14)

Ø Insulation (mm) 2,7-3,8

Materials, temperature and contact resistance

Part nr.	Material	Finishing	Max. Temp. (°C)	Contact Resist (mΩ)
5335.00	Brass	Natural	110	1.00
5335.01	Brass	Pre-tin-plated	120	0.50
5335.24	Steel	Nickel-plated	300	2.00
5335.30	Bronze	Natural	120	(T.B.D.)
5335.31	Bronze	Pre-tin-plated	130	0.75
5335.70	German Silver	Natural	210	(T.B.D.)

Material thickness (mm) 0,4

Max. rated current

Wire section	5335.00 / 01 / 24 / 30 / 31 / 70
1.00 mm ²	12A
1.50 mm ²	16A
2.50 mm ²	20A



Insertion / Withdrawal forces

	5335.00 / 01 / 30 / 31	5335.24 / 70
1st Insertion (max)	20N ¹	25N ¹
1st Withdrawal (max)	40N ¹	40N ¹
6th Withdrawal (min)	13N ¹	13N ¹

¹ Valid for Natural Brass Tab

Application tool MN5335

Crimping parameters & pull out force

Wire section (±10%)	Conductor 		Insulator 	Pull-out force (N)
	Height (mm)	Width (mm)	Width (mm)	
1.00 mm ²	1.65 (±0.05)	3.05 (±0.05)	4.01 (±0.10)	108N @ 60s
1.50 mm ²	1.75 (±0.05)	3.07 (±0.05)	4.03 (±0.10)	150N @ 60s
2.00 mm ²	1.85 (±0.05)	3.10 (±0.05)	4.05 (±0.10)	150N @ 60s
2.50 mm ²	1.95 (±0.05)	3.13 (±0.05)	4.05 (±0.10)	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.

Winding number 3000

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

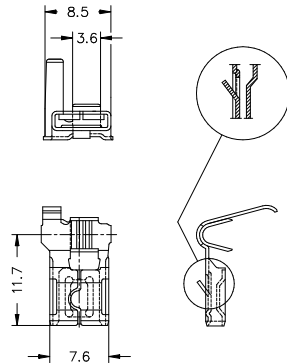
Part nr.	Approval	Standard	File	Certified framework
5335.00 ¹	UL	UL 1977	E222213	AWG 18-14
5335.01 ¹	UL	UL 1977	E222213	AWG 18-14
5335.24 ¹	UL	UL 1977	E222213	AWG 18-14
5335.30 ¹	UL	UL 1977	E222213	AWG 18-14
5335.31 ¹	UL	UL 1977	E222213	AWG 18-14
5335.70 ¹	UL	UL 1977	E222213	AWG 18-14

¹ Cat. No. meets with the standard UL1977 as a component of UP-RAST5 full connection system.
 Rated current and voltage:
 600V - 15A

Approvals



Drawing

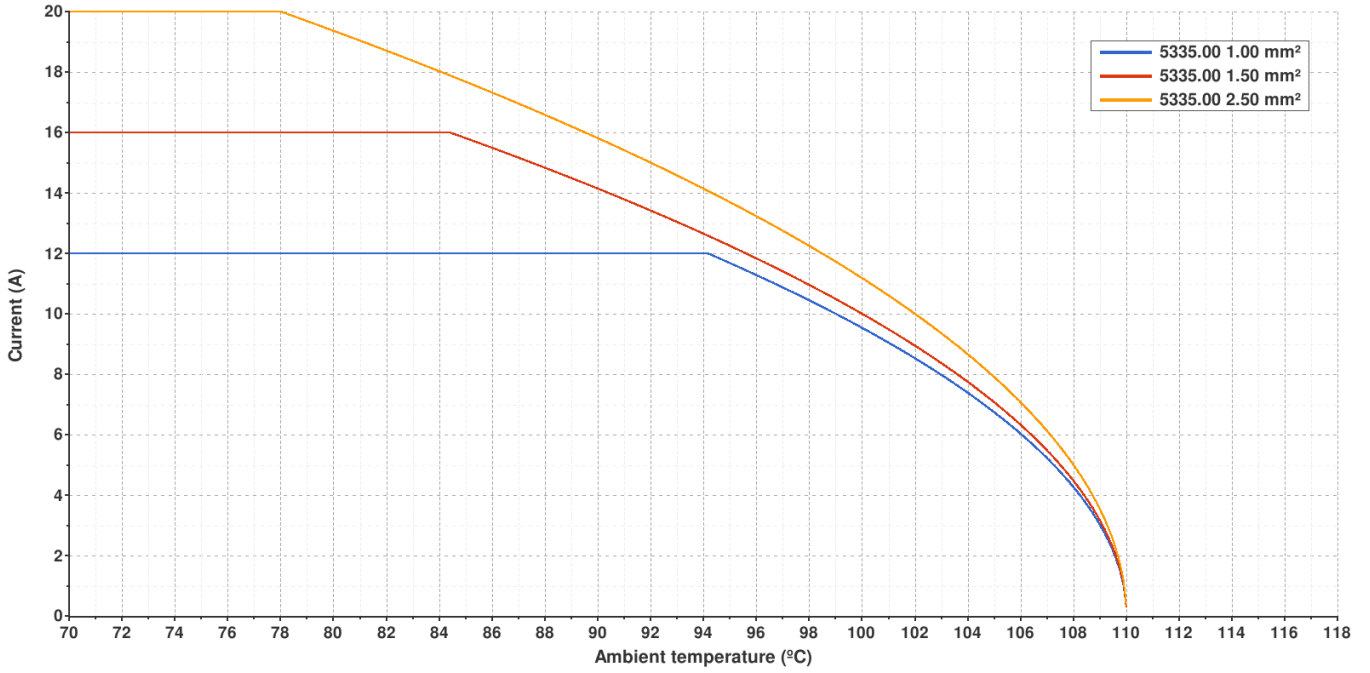


5335.00 NATURAL BRASS

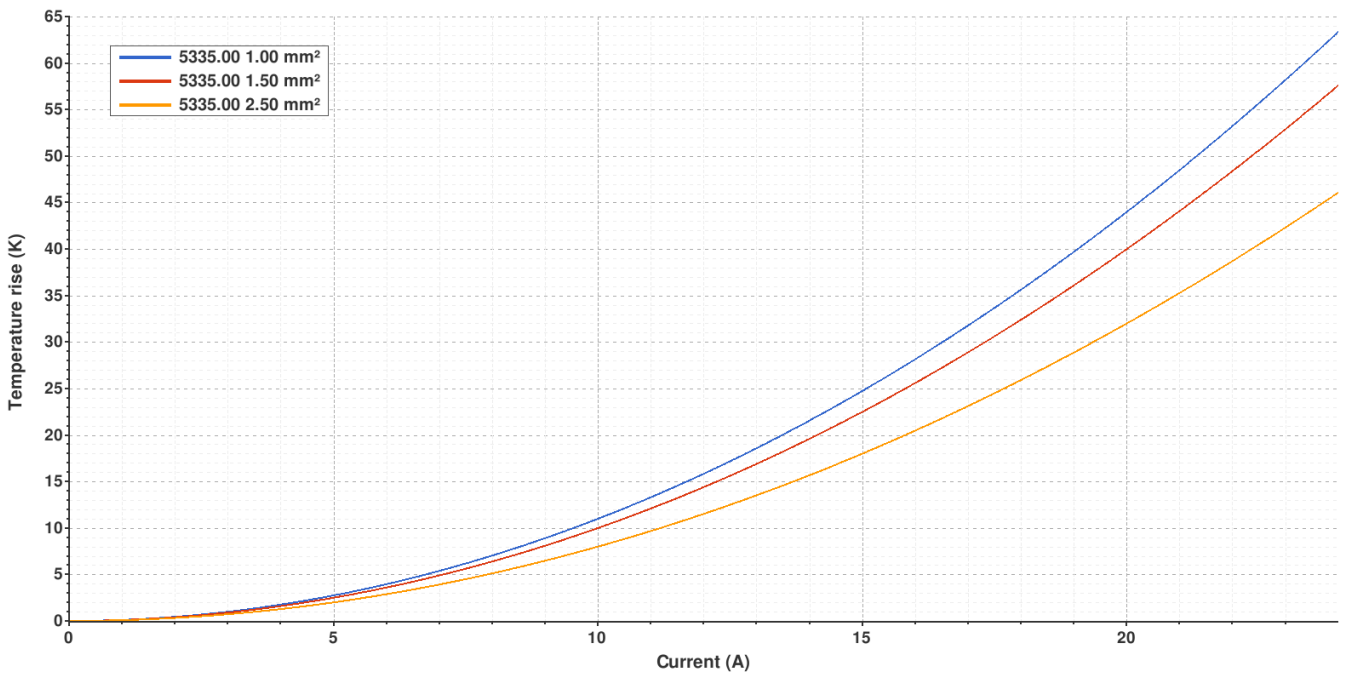


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Derating curve Current carrying capacity vs. Ambient temperature



Temperature rise curve Terminal temperature rise due to the current carried



Valid for Natural Brass Tab

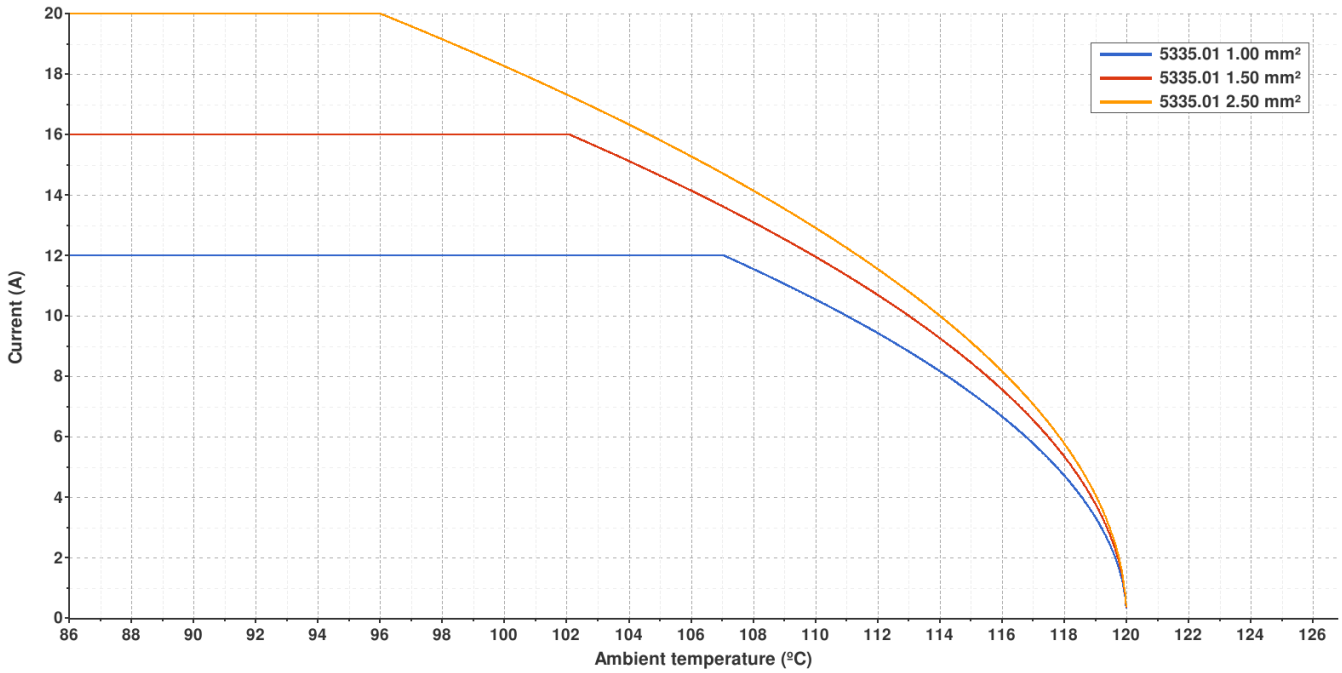
5335.01 PRE-TIN-PLATED BRASS

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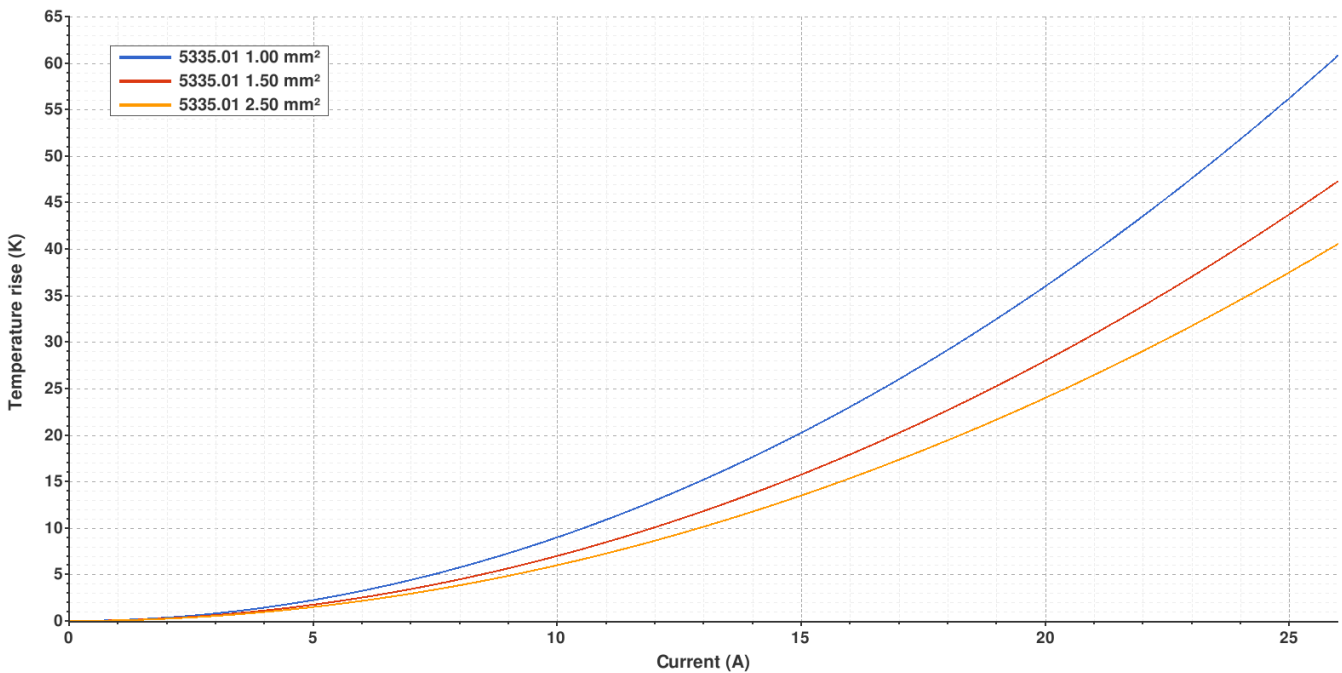
Derating curve

Current carrying capacity vs. Ambient temperature



Temperature rise curve

Terminal temperature rise due to the current carried

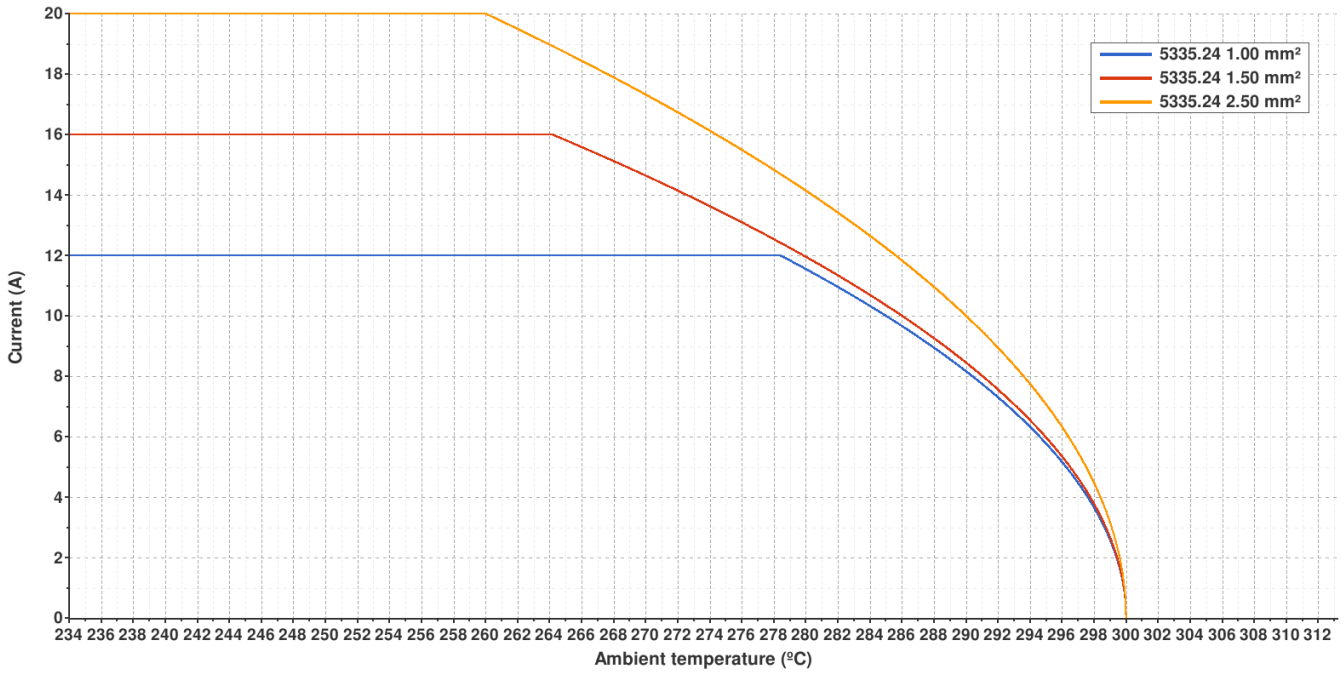


Valid for Natural Brass Tab

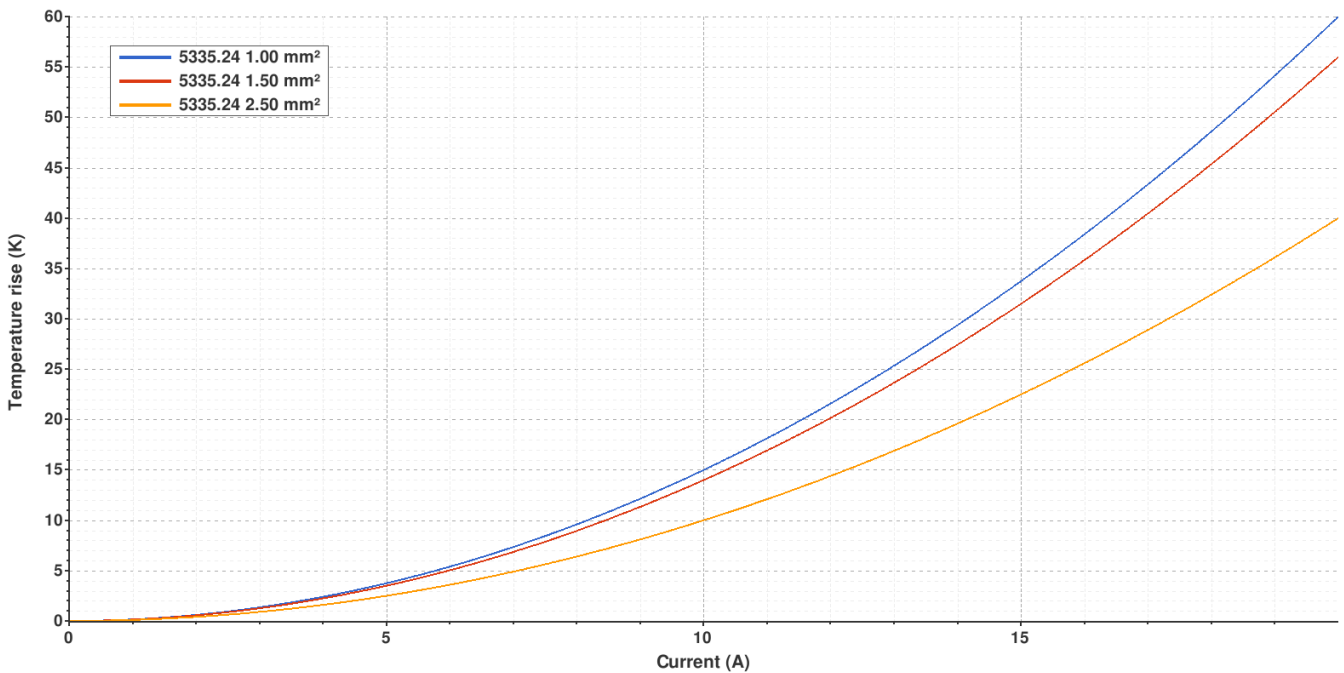
5335.24 NICKEL-PLATED STEEL
RAST 5 TERMINALS AND CONNECTORS · FLAGS FOR CONNECTOR



Derating curve Current carrying capacity vs. Ambient temperature



Temperature rise curve Terminal temperature rise due to the current carried

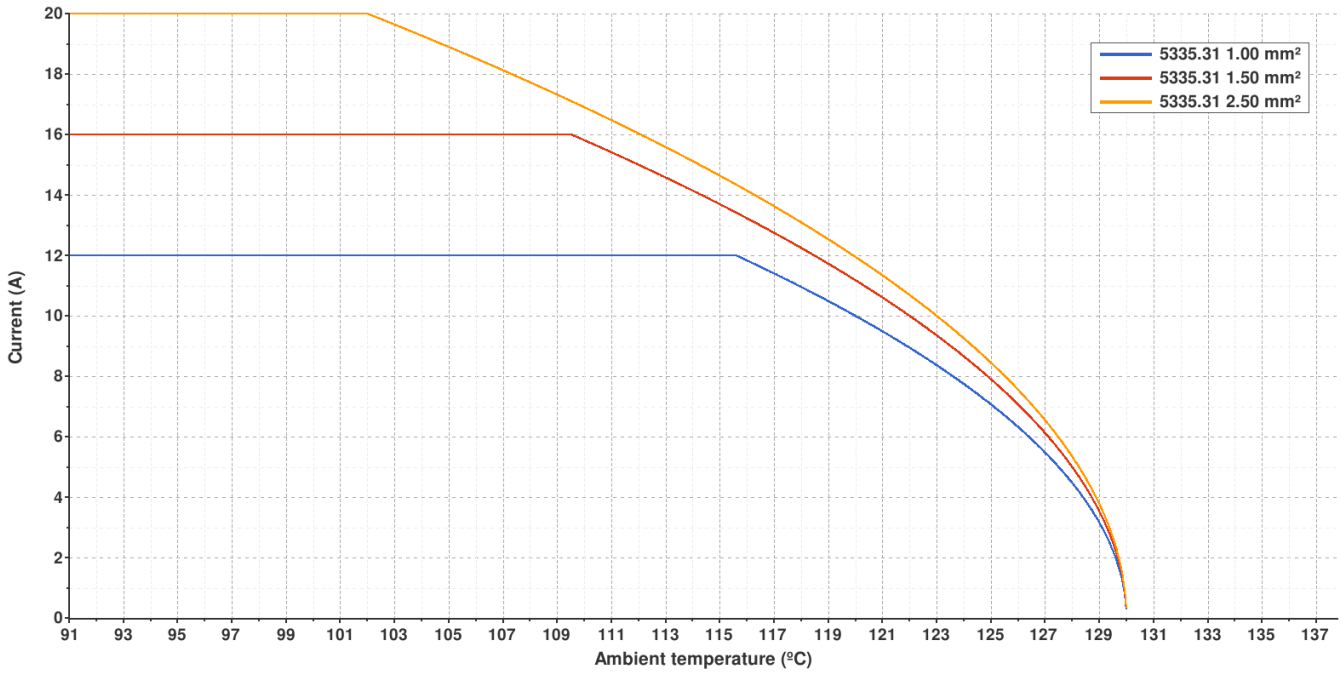


Valid for Natural Brass Tab

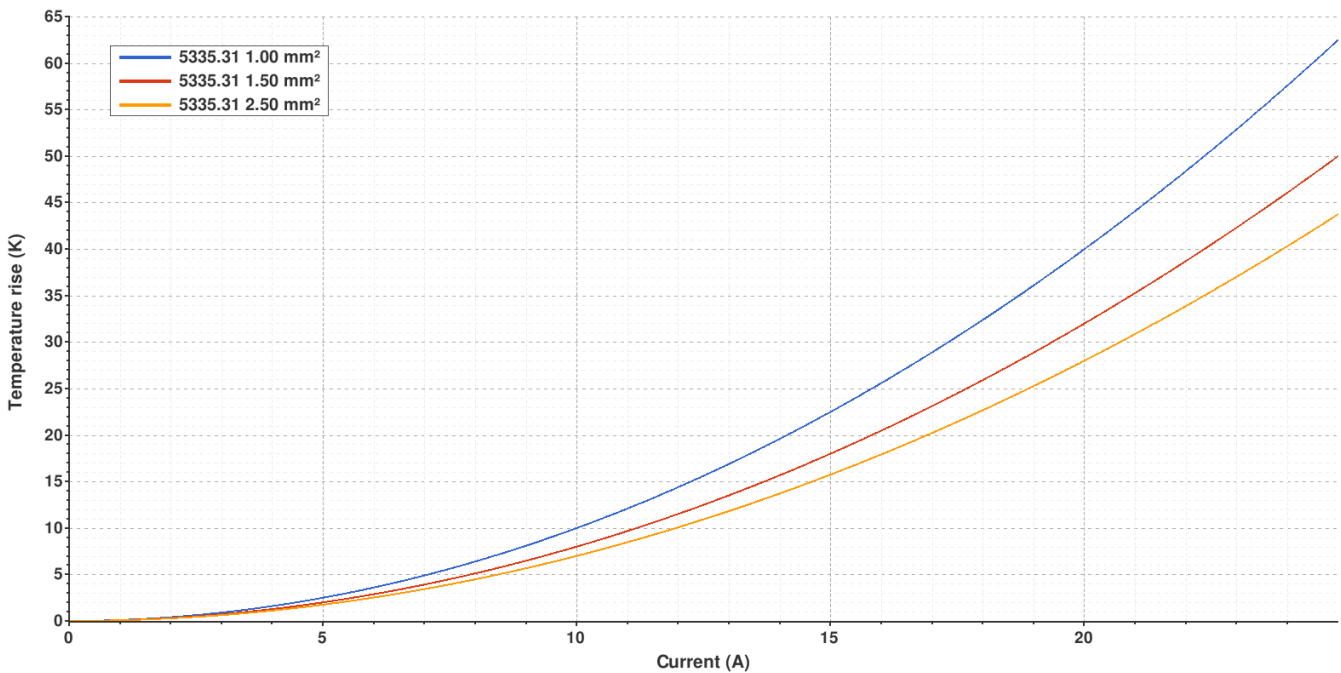
5335.31 PRE-TIN-PLATED BRONZE
RAST 5 TERMINALS AND CONNECTORS · FLAGS FOR CONNECTOR



Derating curve Current carrying capacity vs. Ambient temperature



Temperature rise curve Terminal temperature rise due to the current carried



Valid for Natural Brass Tab

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

Disclaimer

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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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