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. (ºC)
5335.00	Brass	Natural	110
5335.01	Brass	Pre-tin-plated	120
5335.24	Steel	Nickel-plated	300
5335.30	Bronze	Natural	120
5335.31	Bronze	Pre-tin-plated	130
5335.70	German Silver	Natural	210

Material thickness (mm) 0,4

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)	6N[1]	6N[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 mm²	1.65 (±0.05)	3.05 (±0.05)	4.20(±0.10)	108N @ 60s
1.50 mm²	1.75 (±0.05)	3.07 (±0.05)	4.20 (±0.10)	150N @ 60s
2.00 mm²	1.85 (±0.05)	3.10 (±0.05)	4.20 (±0.10)	150N @ 60s
2.50 mm²	1.95 (±0.05)	3.13 (±0.05)	4.20 (±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

Max. rated current

Wire section	5335.00 / 01 / 24 / 30 / 31 / 70
1.00 mm²	12A
1.50 mm²	16A
2.50 mm²	20A

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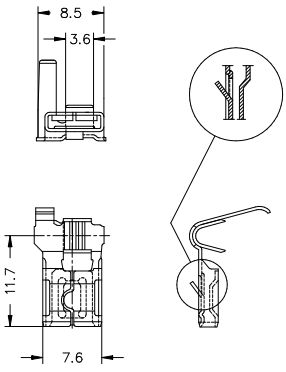
Approved regulations

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
5335.01[2]	VDE	EN 61984	DE1-70504/B1	
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
[2] Cat. No. meets with the standard EN611984 as a component of UP-RAST5 connection Series. 400V; max 20A

Approvals

Drawing



5335.00 NATURAL BRASS

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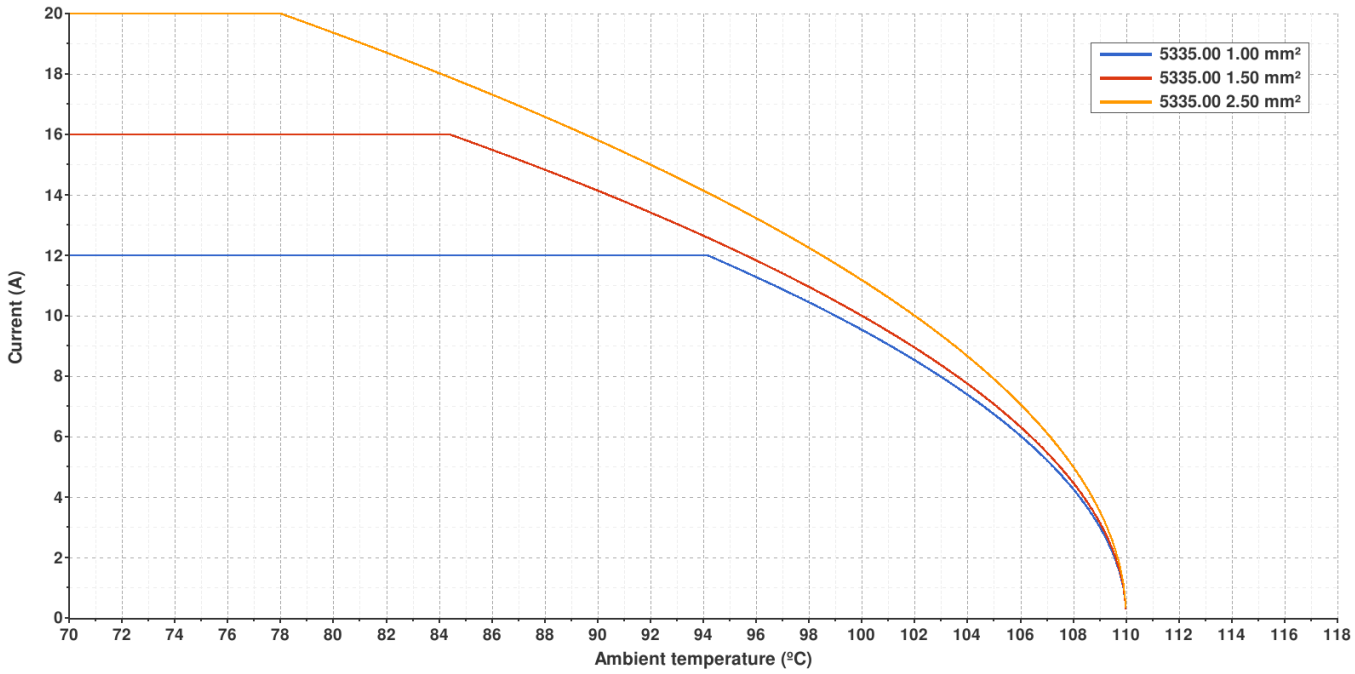
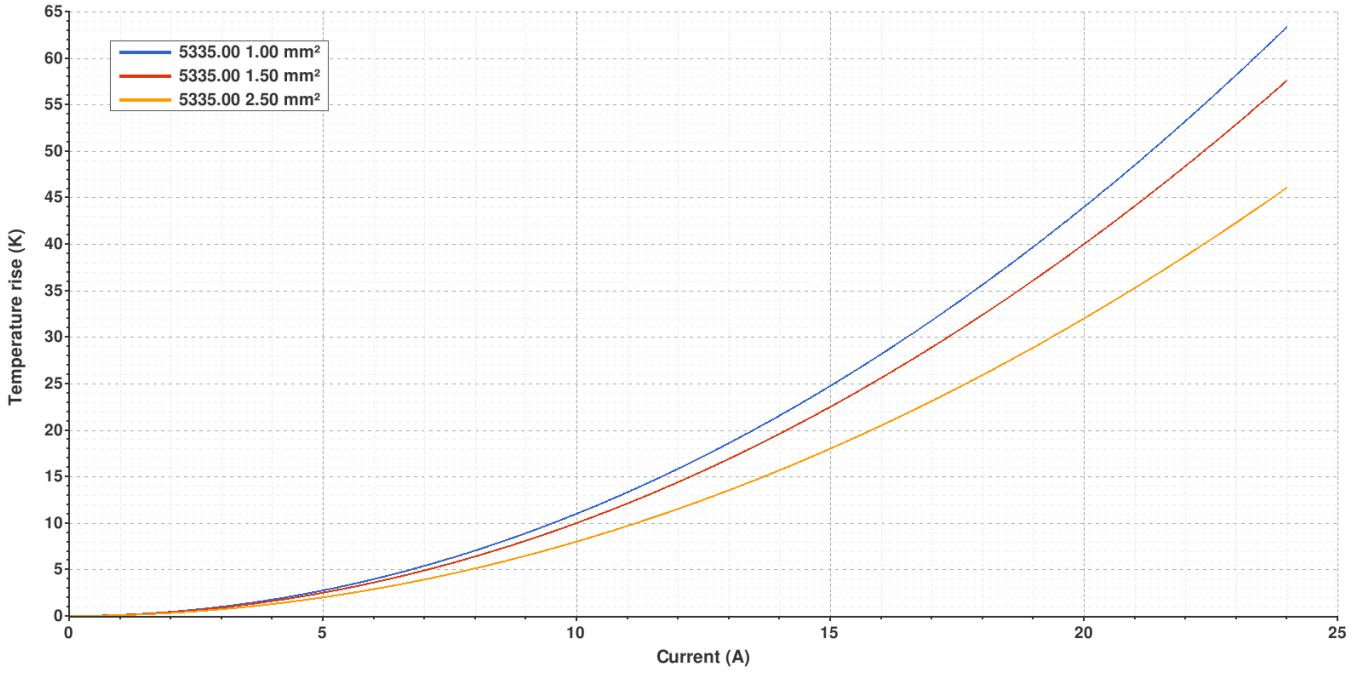
Derating curve Current carrying capacity vs. Ambient temperature



Temperature rise curve Terminal temperature rise due to the current carried

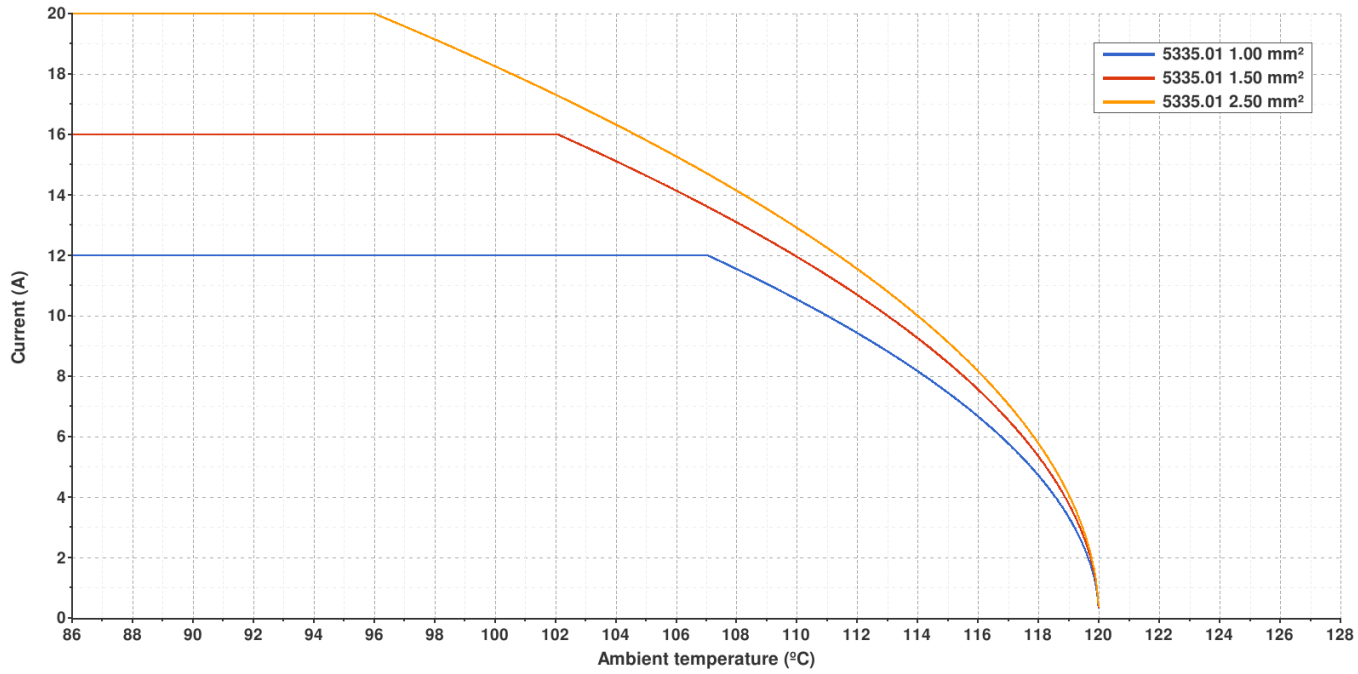


Valid for Natural Brass Tab

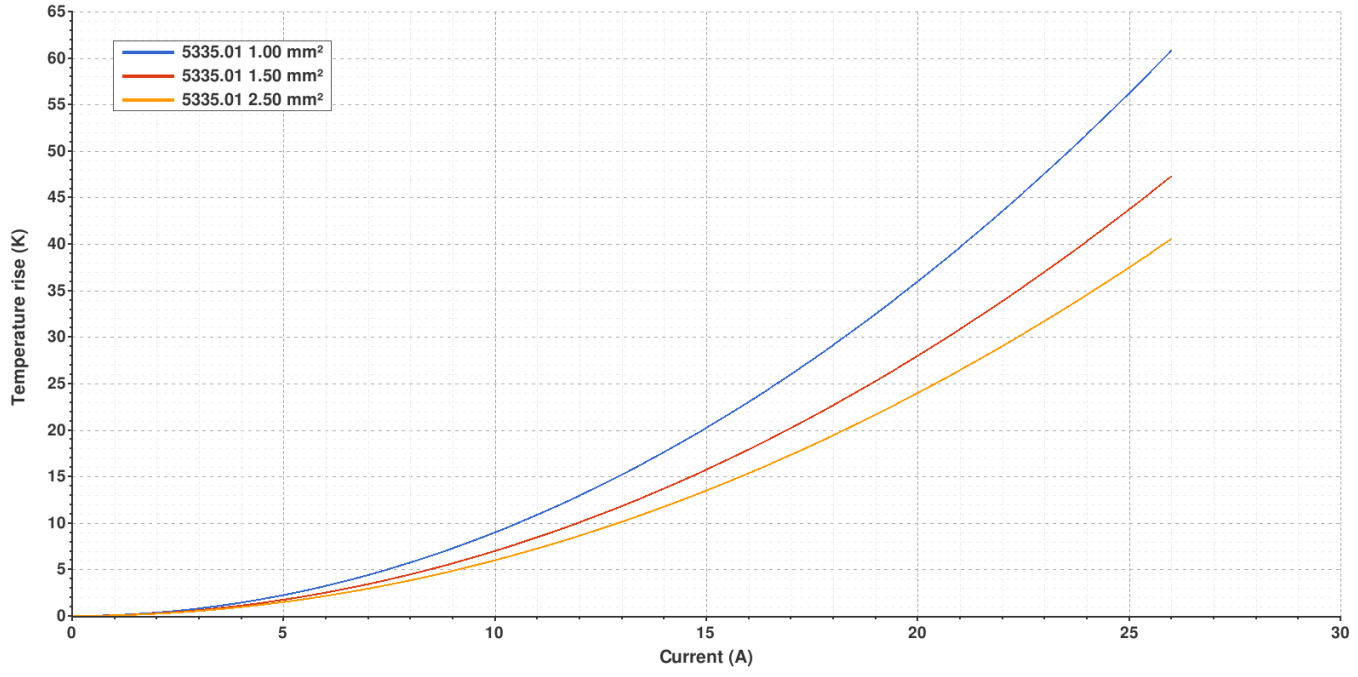
5335.01 PRE-TIN-PLATED BRASS

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

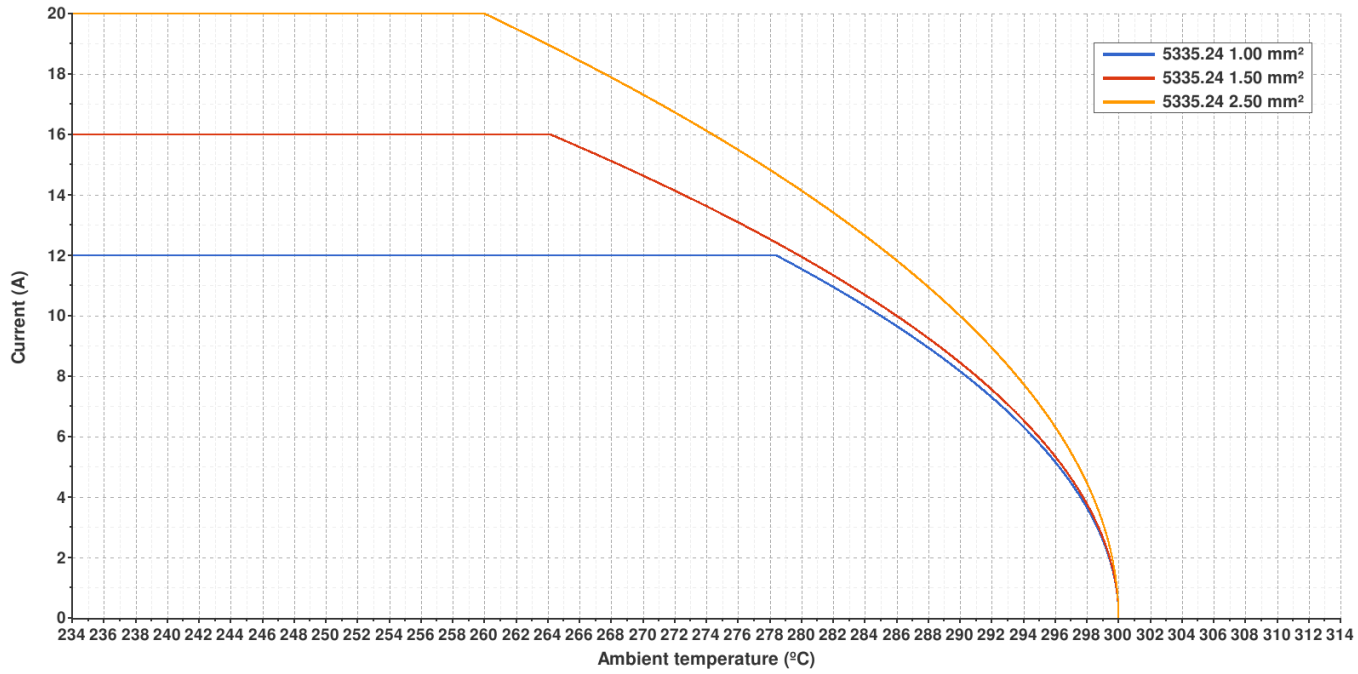


Valid for Natural Brass Tab

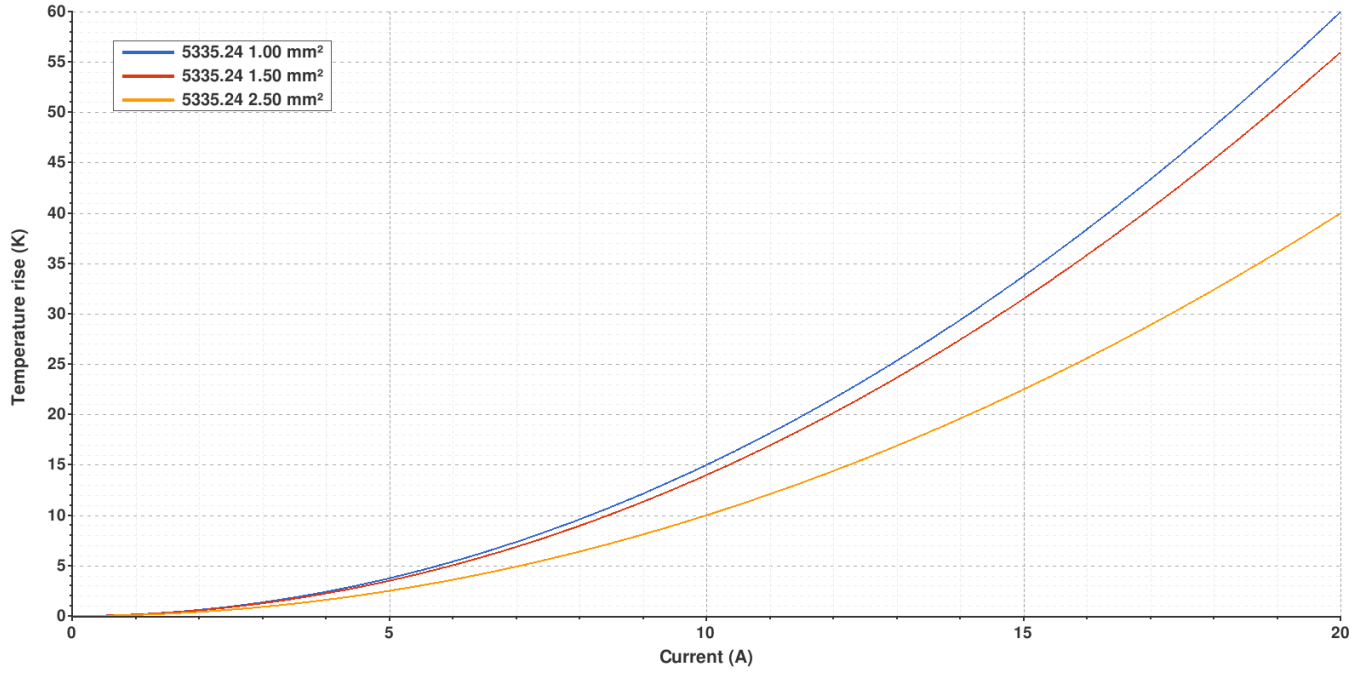
5335.24 NICKEL-PLATED STEEL

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

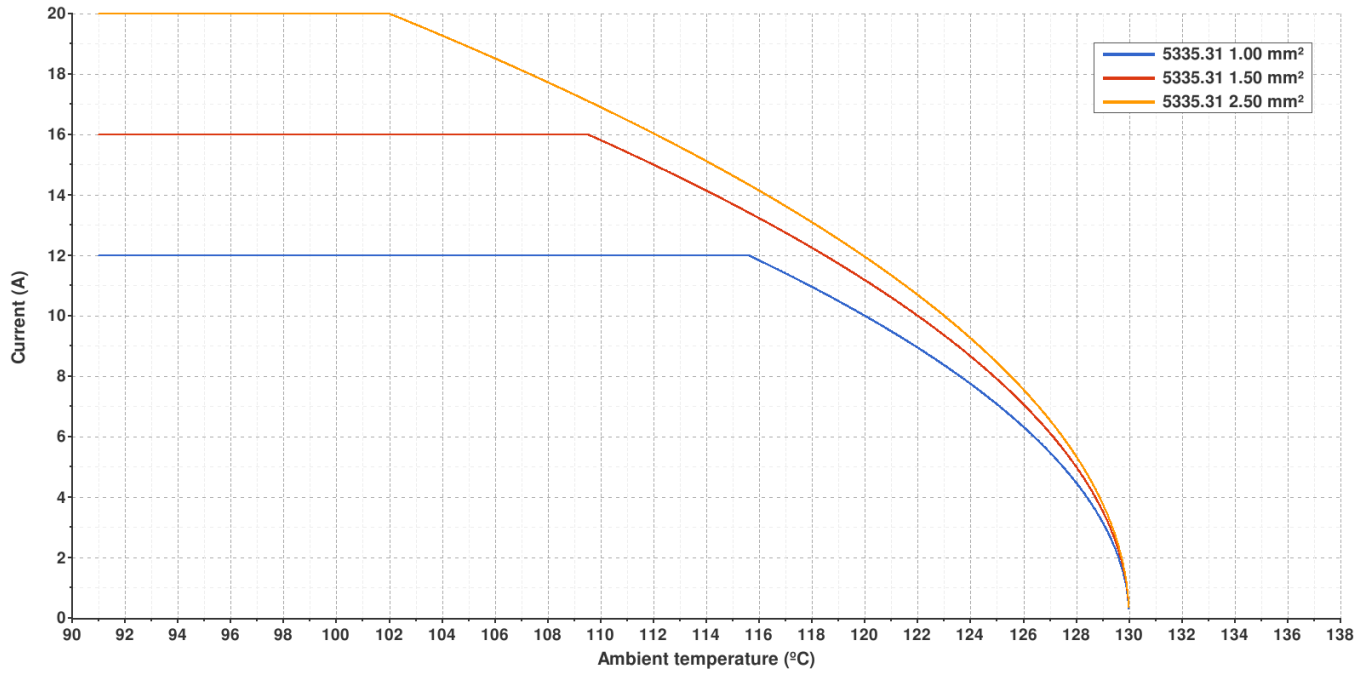


Valid for Natural Brass Tab

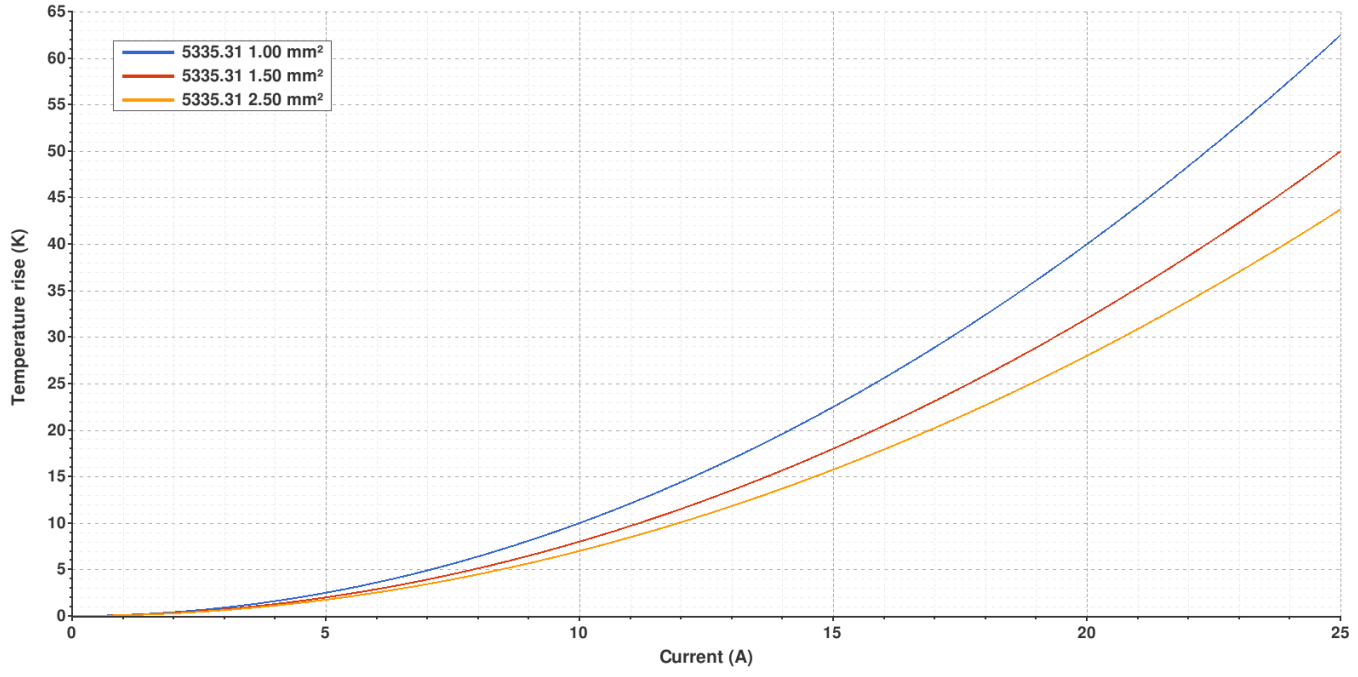
5335.31 PRE-TIN-PLATED BRONZE

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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Disclaimer

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Rev. Nr.	Concept	Date	Created/Revised	Approved
A5	Insulation crimp width. Correction	2026-01-27	Laboratory dept.	E. Roura (laboratory dept.)
A4	Update insulation crimping parameters	2025-12-17	Laboratory dept.	E. Roura (laboratory dept.)
A3	Update insertion / withdrawal forces	2025-03-18	E. Roura (laboratory dept.)	E. Turon (engineering 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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