4122.**

RAST 5 TERMINALS AND CONNECTORS · RECEPTACLES FOR CONNECTOR

Specification RAST 5 CRIMP CONNECT

For male (mm) 6,3x0,8

Wire size mm² (AWG) 1-2,5 (18-14)

Ø Insulation (mm) 3-4,3

Materials, temperature and contact resistance

Part nr.	Material	Finishing	Max. Temp. (ºC)	Contact Resist (mΩ)
4122.00	Brass	Natural	110	0.65
4122.01	Brass	Pre-tin-plated	120	0.50
4122.02	Brass	Tin plated	120	0.55
4122.24	Steel	Nickel-plated	300	1.50
4122.30	Bronze	Natural	120	(T.B.D.)
4122.31	Bronze	Pre-tin-plated	130	(T.B.D.)
4122.32	Bronze	Tin plated	130	(T.B.D.)

Material thickness (mm) 0,4

Max. rated current

Wire section	4122.00 / 01 / 02 / 24 / 30 / 31 / 32
1.00 mm²	12A
1.50 mm²	16A
2.50 mm²	20A

Insertion / Withdrawal forces

	4122.00 / 01 / 02 / 24 / 30 / 31 / 32
1st Insertion (max)	30N[1]
1st Withdrawal (max)	50N[1]
10th Withdrawal (min)	10N[1]

[1] Valid for Natural Brass Tab

Application tool MN4122

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)	Width (mm)	
1.00 mm²	1.55 (±0.05)	3.05 (±0.05)	4.09 (±0.10)	108N @ 60s
1.50 mm²	1.70 (±0.05)	3.06 (±0.05)	4.10 (±0.10)	150N @ 60s
2.00 mm²	1.80 (±0.05)	3.07 (±0.05)	4.11 (±0.10)	150N @ 60s
2.50 mm²	1.90 (±0.05)	3.08 (±0.05)	4.12 (±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 7000

Compatible connectors P8412**, P8413**, P8414**, P8415**, R5315**-K, R5412**-K, R5413**-K, R5414**-K, R5415**-K, R5416**-K, R5417**-K

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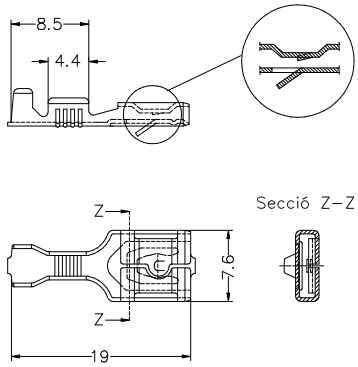
Approved regulations

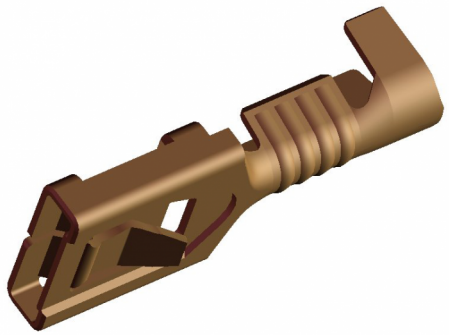
Part nr.	Approval	Standard	File	Certified framework
4122.00[1]	UL	UL 310	E211727	AWG 18-14 (16-41 Stranded Cu) / MN4122
4122.01	UL	UL 310	E211727	AWG 18-14 (16-41 Stranded Cu) / MN4122
4122.24	UL	UL 310	E211727	AWG 18-14 (16-41 Stranded Cu) / MN4122

[1] (Engineering Considerations) Cat. No. does not meet minimum withdrawal forces required by UL 310. Their suitability is to be determined the end product

Approvals

Drawing

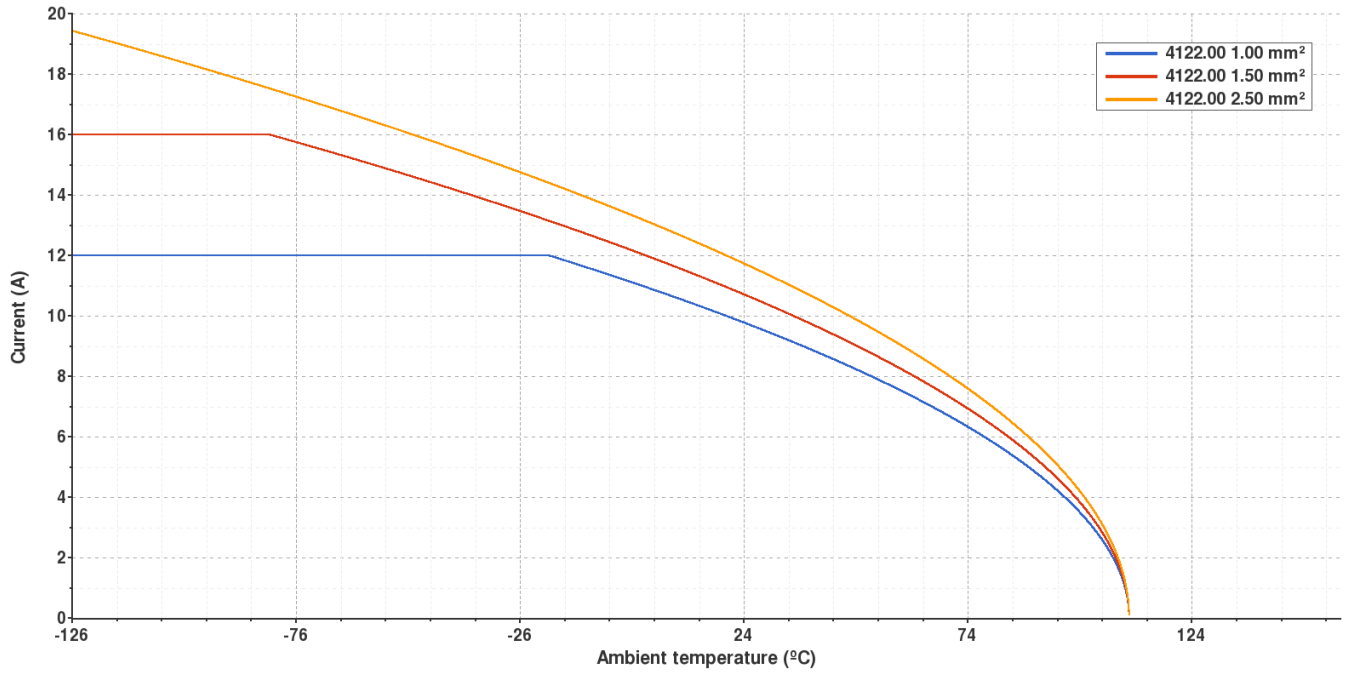




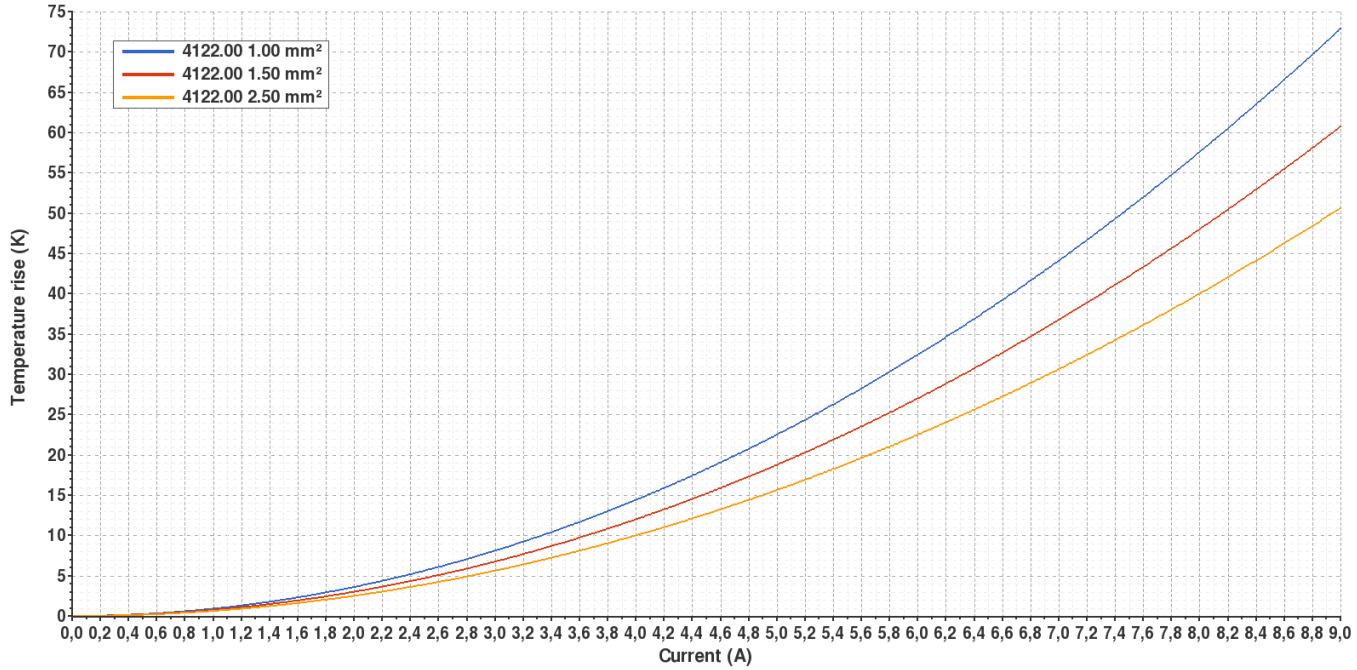
4122.00 NATURAL BRASS

RAST 5 TERMINALS AND CONNECTORS · RECEPTACLES FOR CONNECTOR

Derating curve Current carrying capacity vs. Ambient temperature



Temperature rise curve Terminal temperature rise due to the current carried

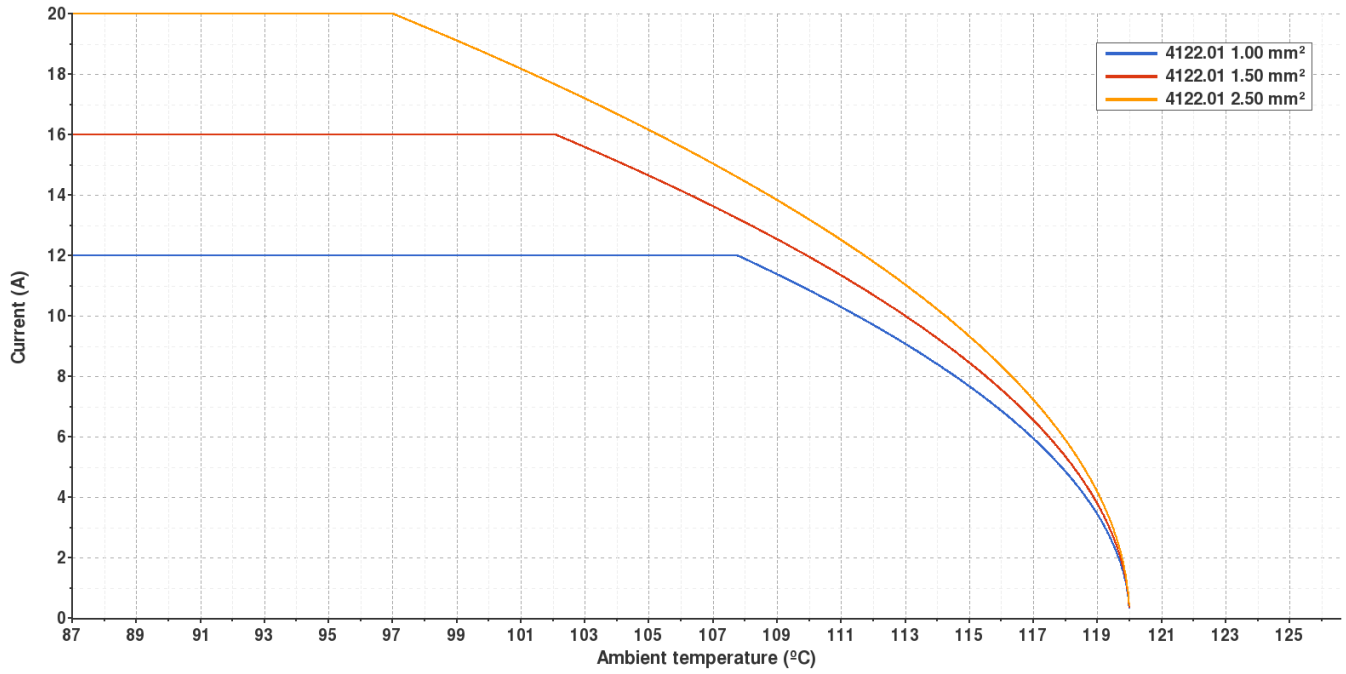


Valid for Natural Brass Tab

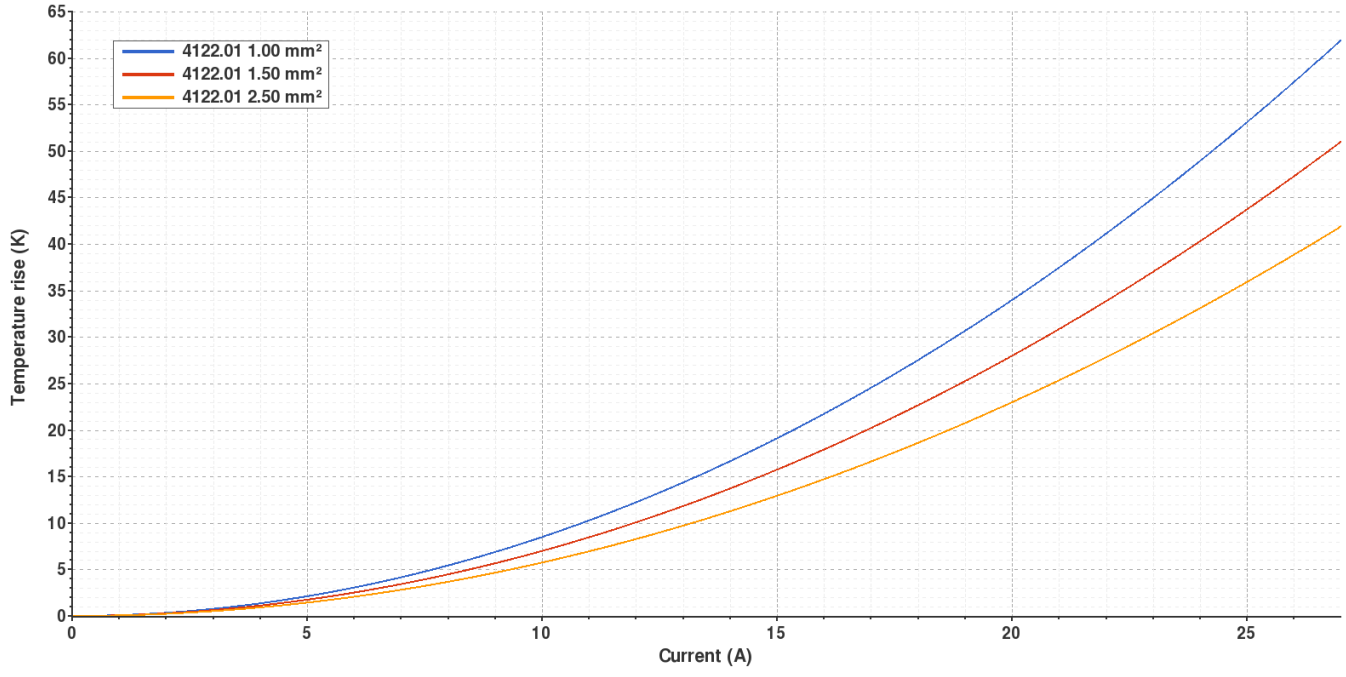
4122.01 PRE-TIN-PLATED BRASS

RAST 5 TERMINALS AND CONNECTORS · RECEPTACLES FOR CONNECTOR

Derating curve Current carrying capacity vs. Ambient temperature



Temperature rise curve Terminal temperature rise due to the current carried

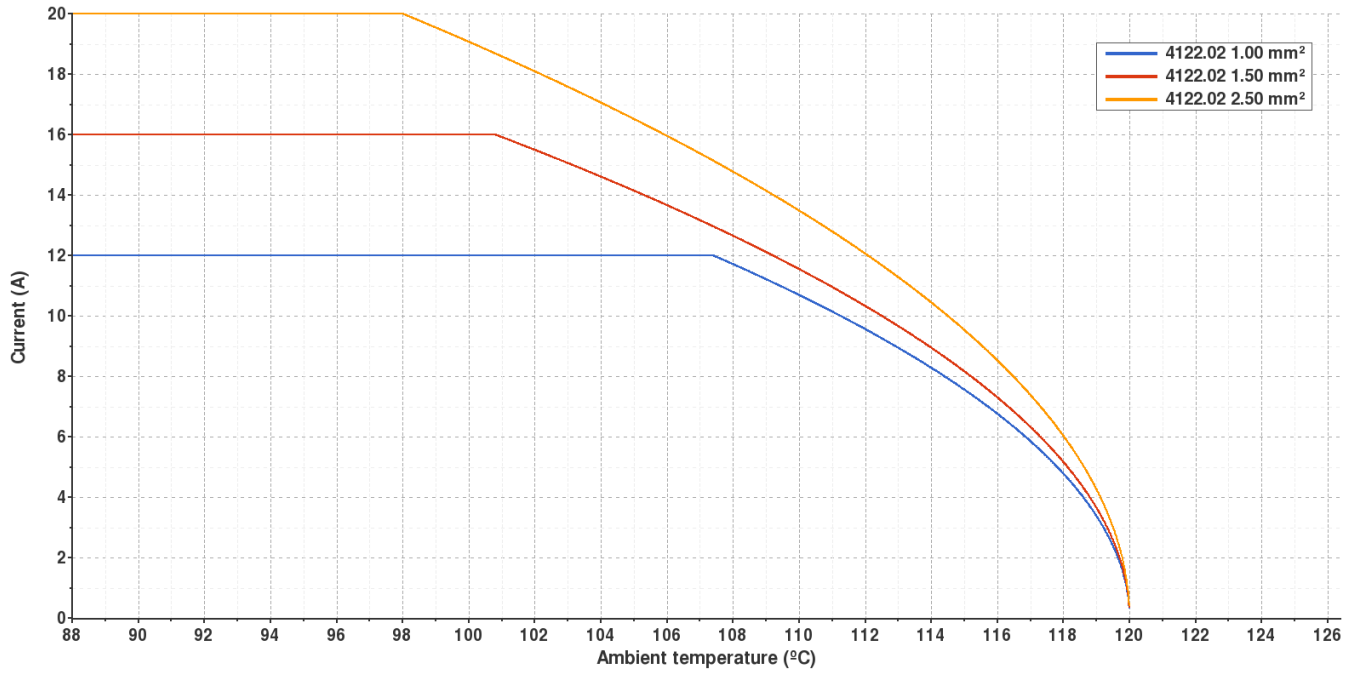


Valid for Natural Brass Tab

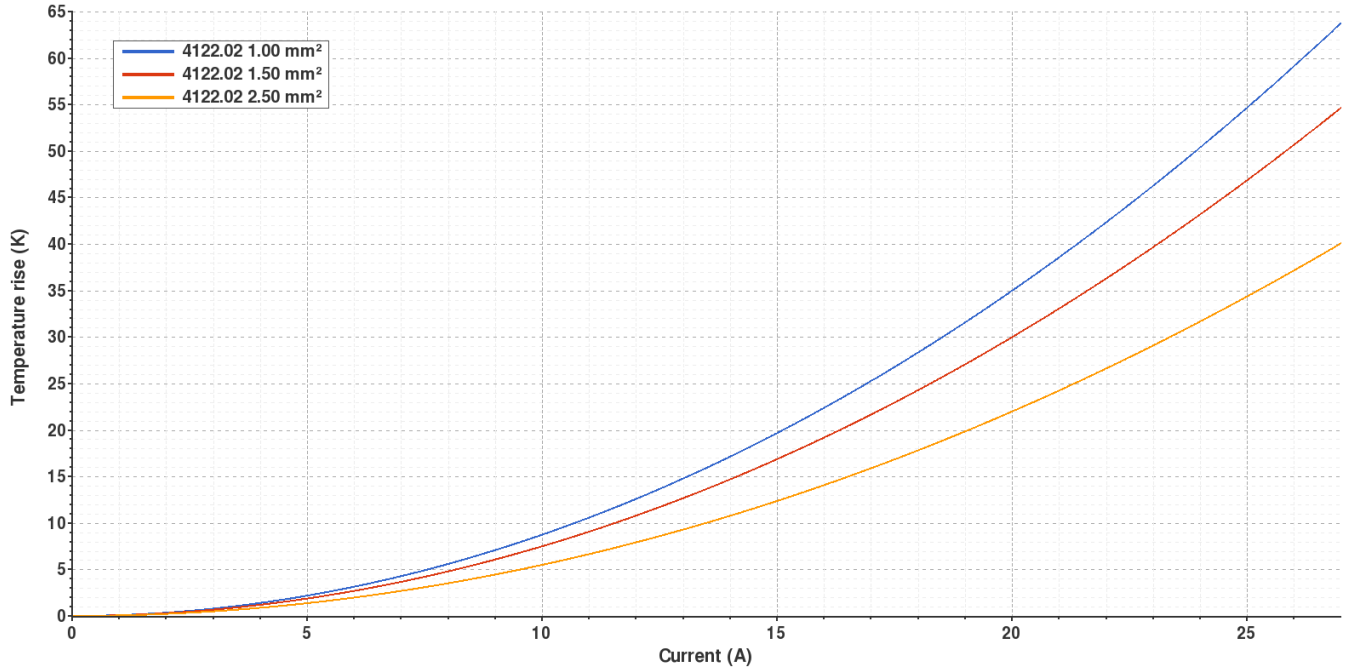
4122.02 TIN PLATED BRASS

RAST 5 TERMINALS AND CONNECTORS · RECEPTACLES FOR CONNECTOR

Derating curve Current carrying capacity vs. Ambient temperature



Temperature rise curve Terminal temperature rise due to the current carried

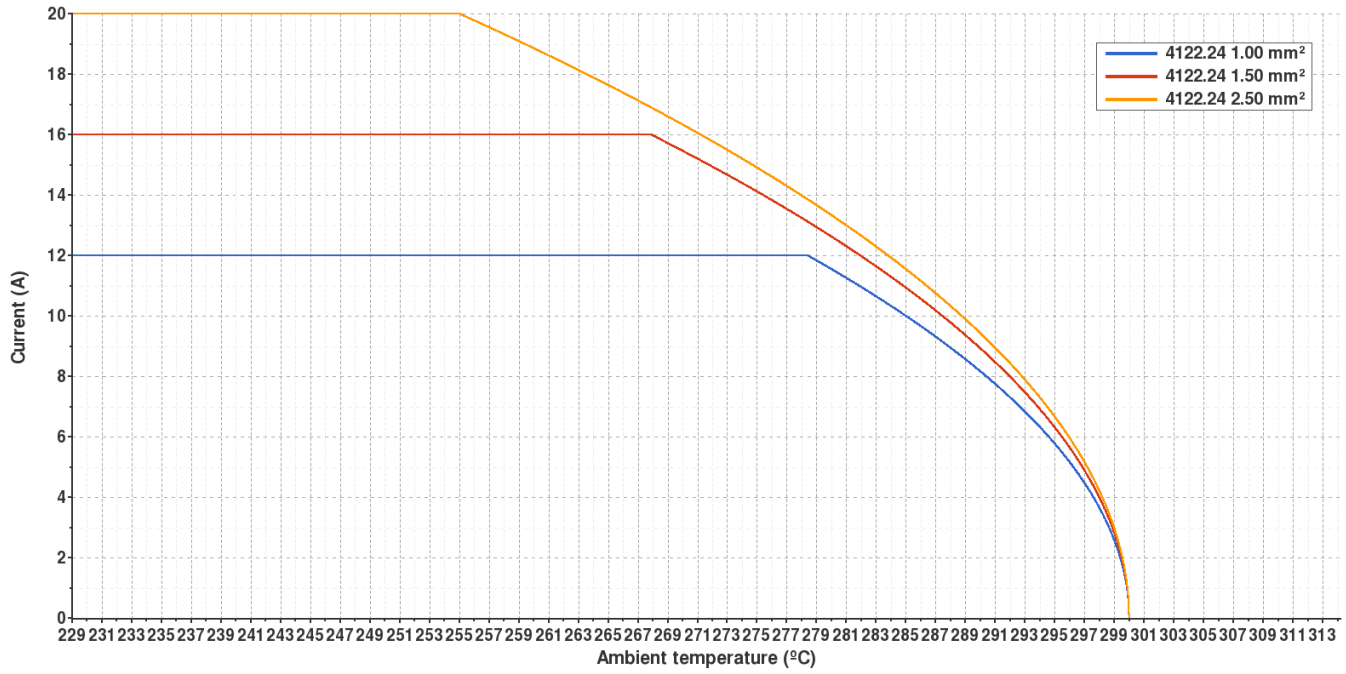


Valid for Natural Brass Tab

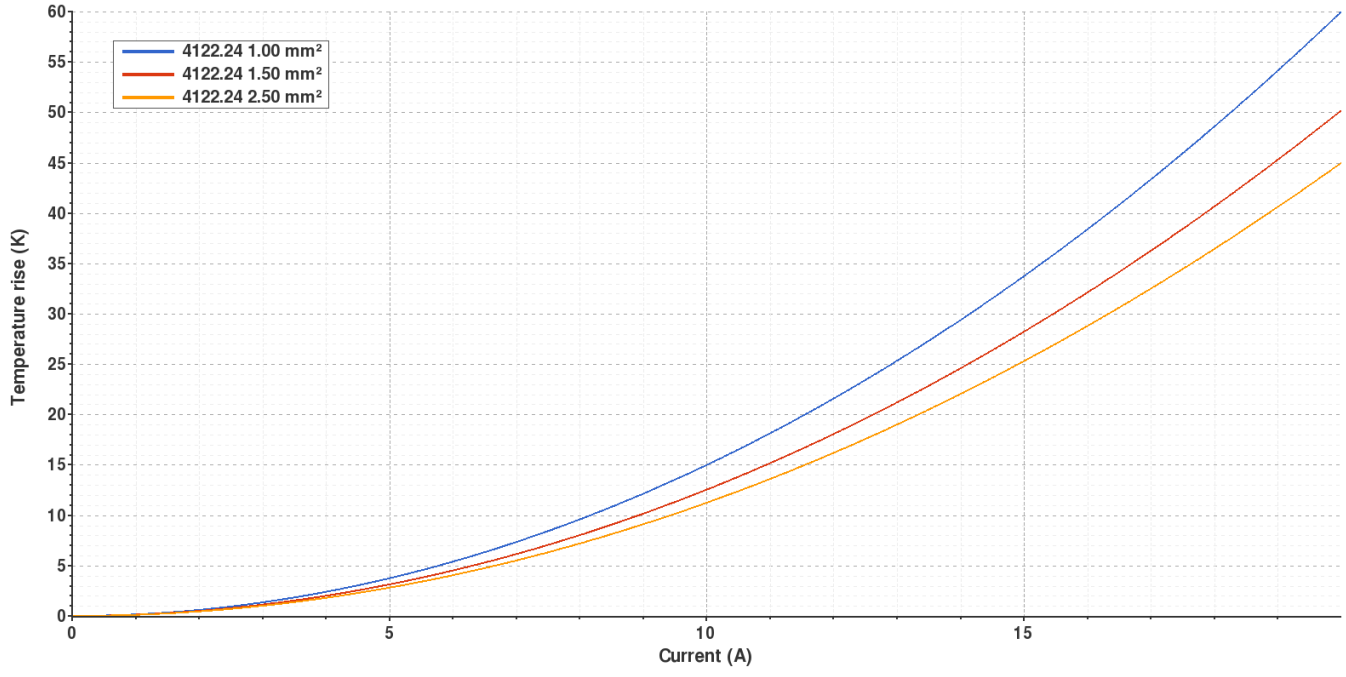
4122.24 NICKEL-PLATED STEEL

RAST 5 TERMINALS AND CONNECTORS · RECEPTACLES 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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RAST 5 TERMINALS AND CONNECTORS · RECEPTACLES FOR CONNECTOR

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

Disclaimer

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Rev. Nr.	Concept	Date	Created/Revised	Approved
A1	Datasheet generated automatically [A1]	2019-06-04	Laboratory Dept.	E. Roura

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