4837.**

6.3 (.250) TYPE SERIES · RECEPTACLES

For male (mm) 6,3x0,8

Wire size mm² (AWG) 0,5-1,5 (20-16)

Ø Insulation (mm) 2-3,3

Materials, temperature and contact resistance

Part nr.	Material	Finishing	Max. Temp. (ºC)	Contact Resist (mΩ)
4837.00	Brass	Natural	110	(T.B.D.)
4837.01	Brass	Pre-tin-plated	120	(T.B.D.)
4837.02	Brass	Tin plated	120	(T.B.D.)
4837.24	Steel	Nickel-plated	300	1.50

Material thickness (mm) 0,4

Max. rated current

Wire section	4837.00 / 01 / 24 / 02
0.50 mm²	8A
0.75 mm²	10A
1.00 mm²	12A
1.50 mm²	16A

Compatible connectors 26314**, 26315**

Insertion / Withdrawal forces

	4837.00	4837.01 / 02	4837.24
1st Insertion (max)	20N[1]	20N[1]	25N[1]
1st Withdrawal (max)	60N[1]	60N[1]	60N[1]
1st Withdrawal (min)	27N[1]	22N[1]	22N[1]
6th Withdrawal (min)	22N[1]	18N[1]	18N[1]

[1] Valid for Natural Brass Tab

Application tool MN4837

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)	
0.50 mm²	1.35 (±0.05)	2.54 (±0.05)	3.44 (±0.10)	56N @ 60s
0.75 mm²	1.45 (±0.05)	2.55 (±0.05)	3.45 (±0.10)	84N @ 60s
1.00 mm²	1.55 (±0.05)	2.57 (±0.05)	3.47 (±0.10)	108N @ 60s
1.50 mm²	1.70 (±0.05)	2.58 (±0.05)	3.48 (±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 8000

Approved regulations

Part nr.	Approval	Standard	File	Certified framework
4837.24	VDE	EN 61210	5000955-1433-0002 / 302565 / TL3 / RHZ	0.5 - 1.5mm2. 300°C max

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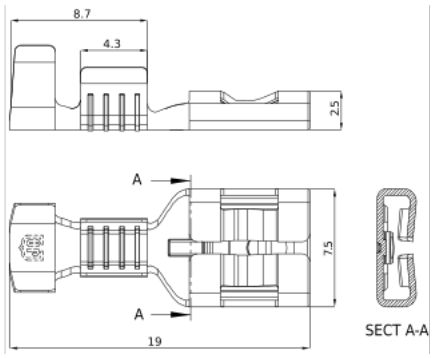
Approvals

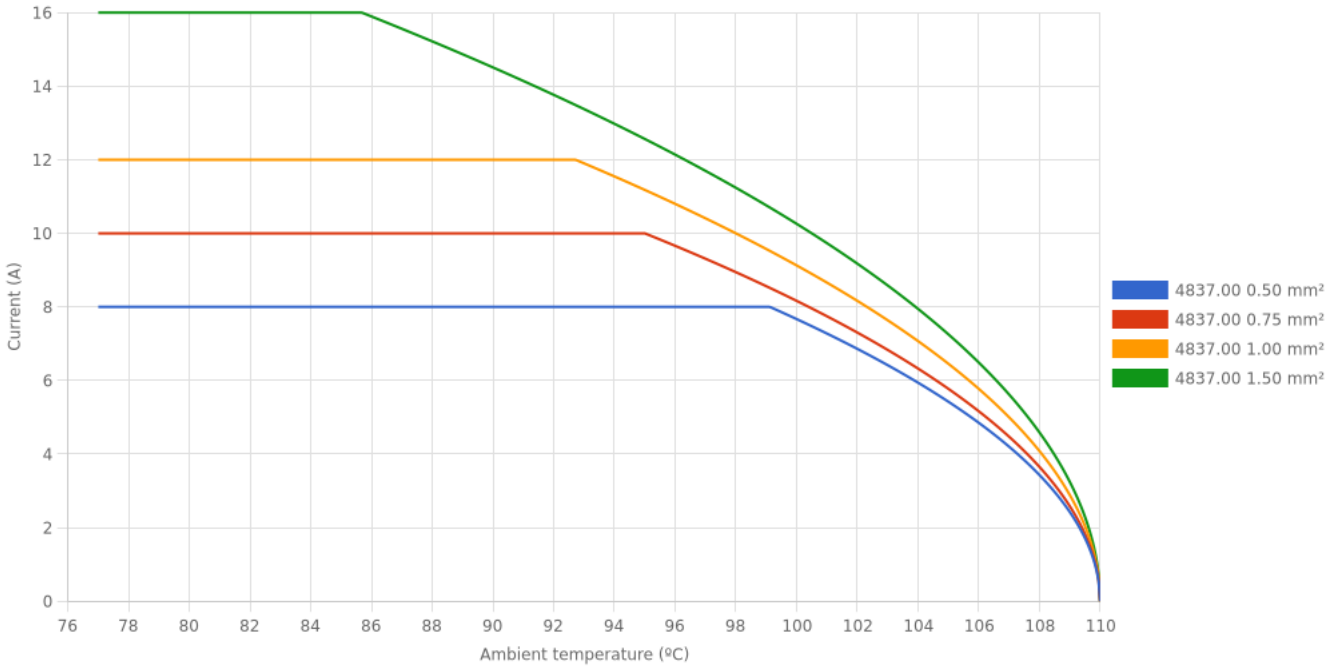
Drawing



4837.00 NATURAL BRASS
6.3 (.250) TYPE SERIES · RECEPTACLES

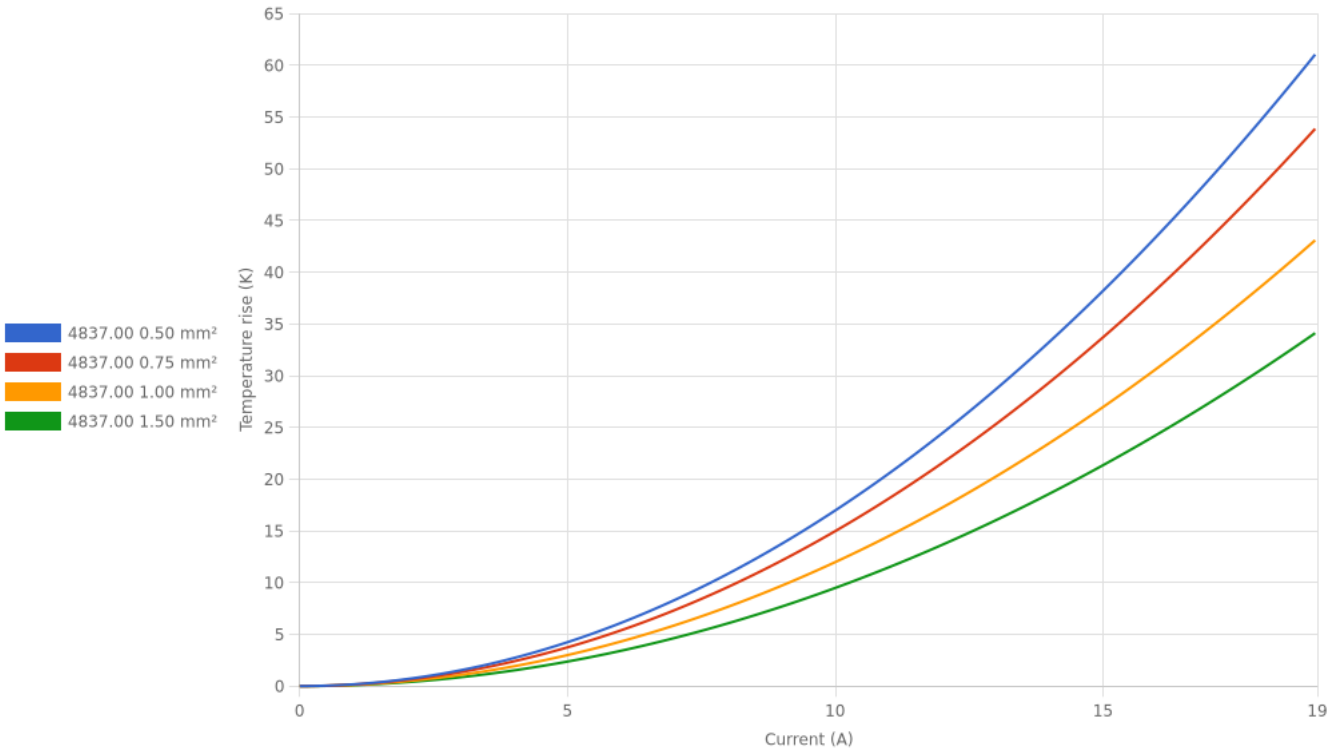
Derating curve

Current carrying capacity vs. Ambient temperature



Temperature rise curve

Terminal temperature rise due to the current carried



Valid for Natural Brass Tab

4837.24 NICKEL-PLATED STEEL
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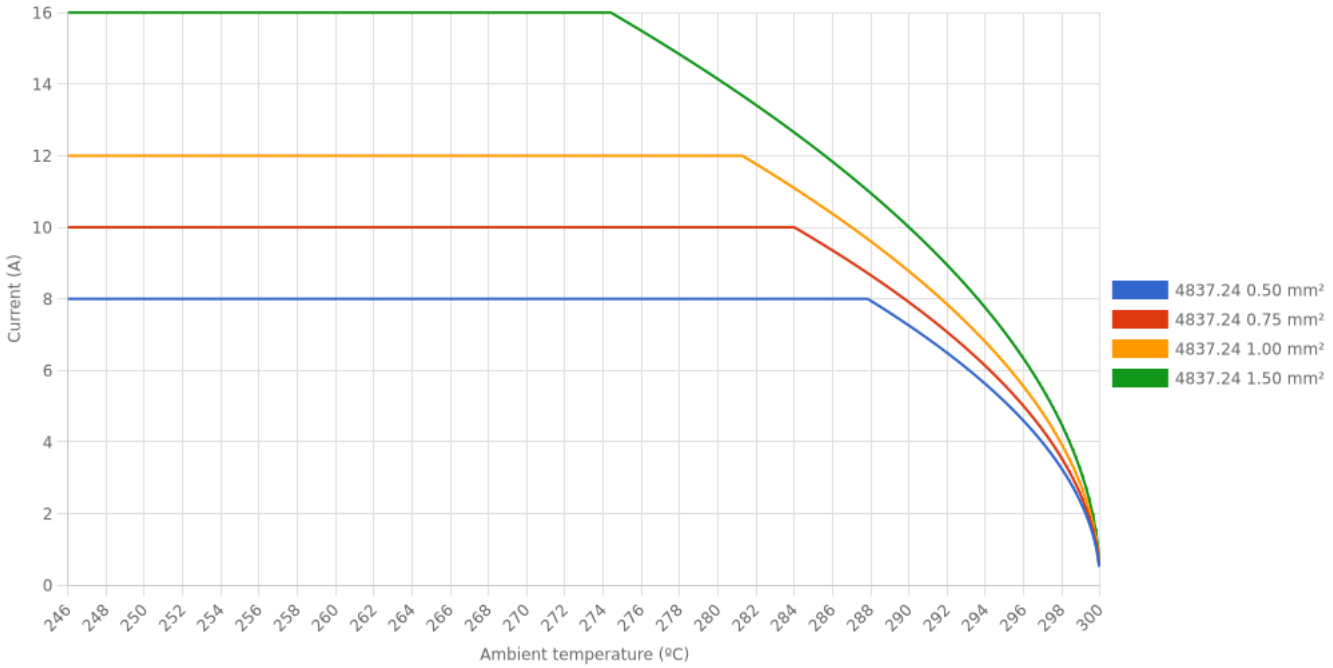
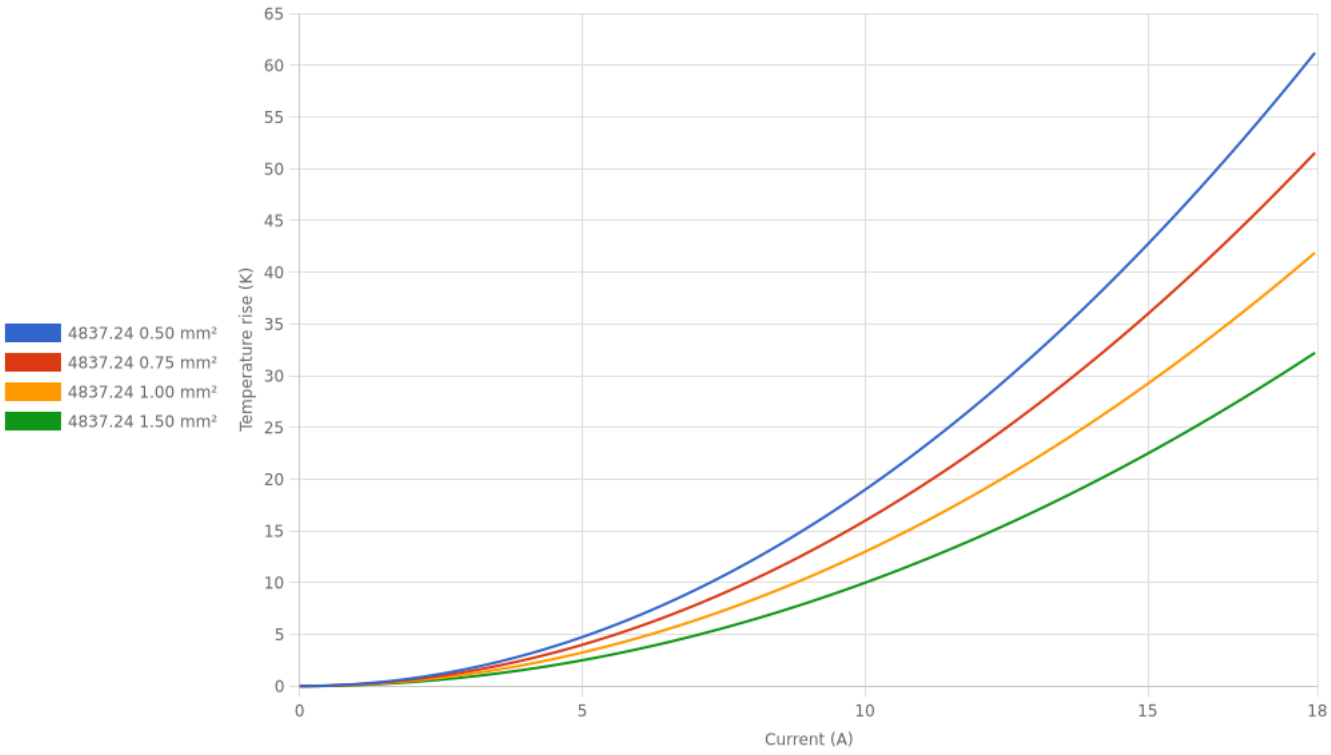
Derating curve

Current carrying capacity vs. Ambient temperature



Temperature rise curve

Terminal temperature rise due to the current carried



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