



4416.**
4.8 (.187) TYPE SERIES · RECEPTACLES



Specification Standard Terminals

For male (mm) 4,8x0,5

Din 46247

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. (°C)	Contact Resist (mΩ)
4416.00	Brass	Natural	110	0.75
4416.02	Brass	Tin plated	120	(T.B.D.)
4416.04	Brass	Nickel-plated	130	(T.B.D.)
4416.24	Steel	Nickel-plated	300	2.00
4416.30	Bronze	Natural	120	(T.B.D.)
4416.32	Bronze	Tin plated	130	(T.B.D.)

Material thickness (mm) 0,35

Max. rated current

Wire section	4416.00 / 02 / 04 / 24 / 30 / 32
1.00 mm ²	12A
1.50 mm ²	16A
2.50 mm ²	20A

Insertion / Withdrawal forces


	4416.00 / 04 / 24 / 30	4416.02 / 32
1st Insertion (max)	50N ¹	60N ¹
1st Withdrawal (max)	50N ¹	60N ¹
10th Withdrawal (min)	10N ¹	15N ¹

¹ Valid for Natural Brass Tab

Application tool MN4416

Wire strip length 4.2 (±0.5) mm

Crimping parameters & pull out force

Wire section (±10%)	Conductor 		Insulator	Pull-out force (N)
	Height (mm)	Width (mm)		
1.00 mm ²	1.40 (±0.05)	3.03 (±0.05)	4.12 (±0.10)	108N @ 60s
1.50 mm ²	1.50 (±0.05)	3.05 (±0.05)	4.14 (±0.10)	150N @ 60s
2.00 mm ²	1.65 (±0.05)	3.06 (±0.05)	4.14 (±0.10)	150N @ 60s
2.50 mm ²	1.80 (±0.05)	3.08 (±0.05)	4.16 (±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 10000

Compatible connectors 24812**



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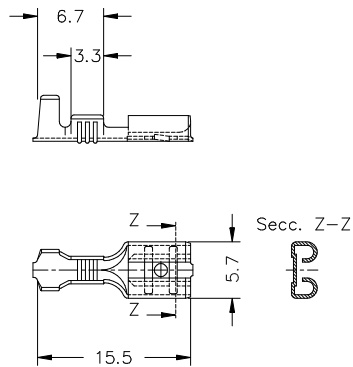
Approved regulations

Part nr.	Approval	Standard	File	Certified framework
4416.00	UL	UL 310	E211727	AWG 18-14 (16-41 Stranded Cu) / MN4416
4416.02	UL	UL 310	E211727	AWG 18-14 (16-41 Stranded Cu) / MN4416
4416.24	UL	UL 310	E211727	AWG 18-18 (16-16 Stranded Cu) / MN4416

Approvals



Drawing

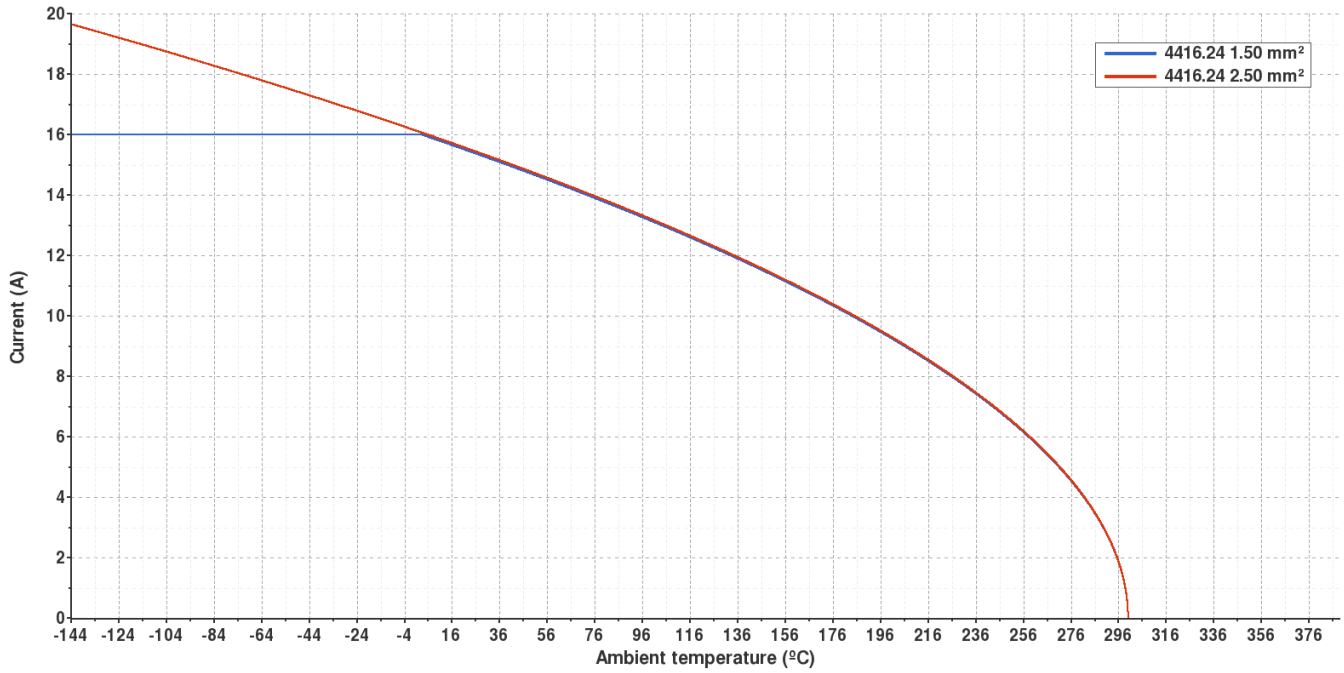




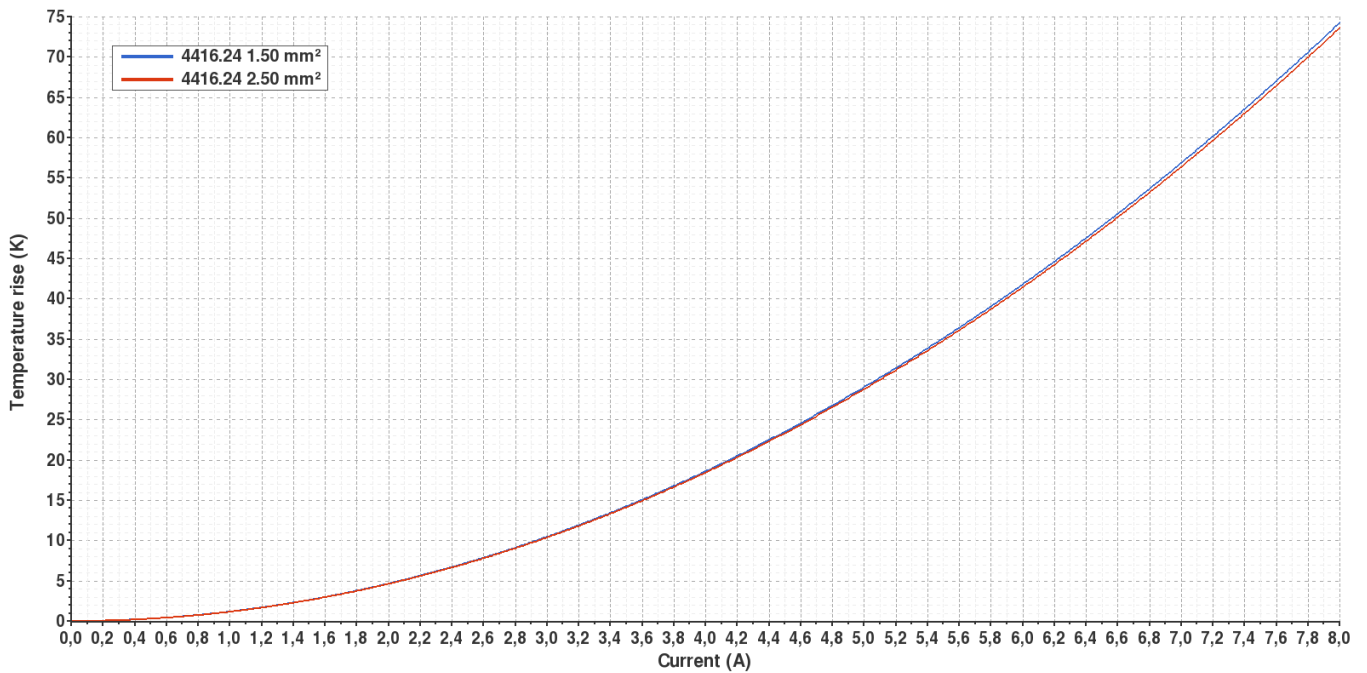
4416.24 NICKEL-PLATED STEEL
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Derating curve Current carrying capacity vs. Ambient temperature



Temperature rise curve Terminal temperature rise due to the current carried



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

Disclaimer

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A1	Datasheet generated automatically [A1]	2019-02-15	Laboratory Dept.	E. Roura

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