

5814.** 4.8 (.187) TYPE SERIES · FLAGS



Specification	Low insertion
Typology	With Upper Dimple
For male (mm)	4,8x0,8
Wire size mm² (AWG)	0,5-1,5 (20-16)
Ø Insulation (mm)	1,9-3,3

Materials, temperature and contact resistance

Part nr.	Material	Finishing	Max. Temp. (°C)	Contact Resist (mΩ)
5814.00	Brass	Natural	110	0.75
5814.01	Brass	Pre-tin-plated	120	0.60
5814.24	Steel	Nickel-plated	300	1.50
5814.30	Bronze	Natural	120	(T.B.D.)
5814.31	Bronze	Pre-tin-plated	130	(T.B.D.)
5814.32	Bronze	Tin plated	130	(T.B.D.)
5814.70	German Silver	Natural	210	(T.B.D.)

Material thickness (mm) 0,35

Max. rated current

Wire section	5814.00 / 01 / 24 / 30 / 31 / 32 / 70
0.50 mm ²	8A
0.75 mm ²	10A
1.00 mm ²	12A
1.50 mm ²	16A



Insertion / Withdrawal forces

	5814.00 / 01 / 24 / 30 / 31 / 32 / 70
1st Insertion (max)	25N ¹
1st Withdrawal (max)	50N ¹
1st Withdrawal (min)	22N ¹
6th Withdrawal (min)	13N ¹

¹ Valid for Natural Brass Tab

Application tool MN5814

Crimping parameters & pull out force

Wire section (±10%)	Conductor 		Insulator 	Pull-out force (N)
	Height (mm)	Width (mm)	Width (mm)	
0.50 mm ²	1.25 (±0.03)	2.42 (±0.03)	3.28 (±0.10)	56N @ 60s
0.75 mm ²	1.35 (±0.05)	2.44 (±0.05)	3.30 (±0.10)	84N @ 60s
1.00 mm ²	1.45 (±0.05)	2.46 (±0.05)	3.42 (±0.10)	108N @ 60s
1.50 mm ²	1.65 (±0.05)	2.47 (±0.05)	3.50 (±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 5000

Compatible connectors 24833**

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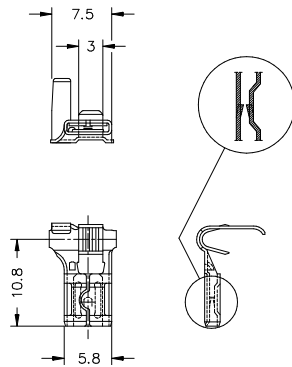
Approved regulations

Part nr.	Approval	Standard	File	Certified framework
5814.00	UL	UL 310	E211727	AWG 20-18 (10-16 Stranded Cu) / MN5814
5814.00	VDE	EN 61210	5000955-1433-0001 / 242926 / TL6 / RHZ	0,5 ... 1,5mm ² . 110°C max
5814.01	UL	UL 310	E211727	AWG 20-18 (10-16 Stranded Cu) / MN5814
5814.24	UL	UL 310	E211727	AWG 20-18 (10-16 Stranded Cu) / MN5814

Approvals



Drawing



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

Disclaimer

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A2	Change company name and logo	2021-10-21	E. Roura (Laboratory Dept.)	D. Yabar (Engineering Dept.)
A1	Datasheet created automatically [A1]	2021-05-03	E. Roura (Laboratory Dept.)	D. Yabar (Engineering Dept.)

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