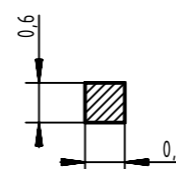




DIN Signal female connector



Cross section of wire wrap termination



General information

Design	IEC 60603-2, types: B, C, 2C			
No. of contacts	max. 96			
Contact spacing	2,54 mm			
Test voltage	1000V			
Contact resistance	max. 20mOhm			
Insulation resistance	min. 10 ¹⁰ Ohm			
Working current	2A at 20°C (see derating diagram)			
Temperature range	-55°C ... +125°C			
Termination technology	solder lugs, wirewrap			
Clearance & creepage distance	min. 1,2 mm each			
Insertion and withdrawal force	16-pole max. 15N	20-pole max. 20N	30-pole max. 30N	32-pole max. 30N
	48-pole max. 45N	64-pole max. 60N	96-pole max. 90N	
Mating cycles	PL 1 acc. to IEC 60603-2		500 mating cycles	
	PL 2 acc. to IEC 60603-2		400 mating cycles	
	PL 3 acc. to IEC 60603-2		50 mating cycles	
UL file	E102079			
RoHS - compliant	Yes			
Leadfree	Yes			
Hot plugging	No			

Insulator material

Material	PBT (thermoplastics, glass fiber reinforcement 30%)
Color	RAL 7032 (grey)
UL classification	UL 94-V0
Material group acc. IEC 60664-1	IIIa (175 < CTI < 400)
NFF classification	I3, F4

Contact material

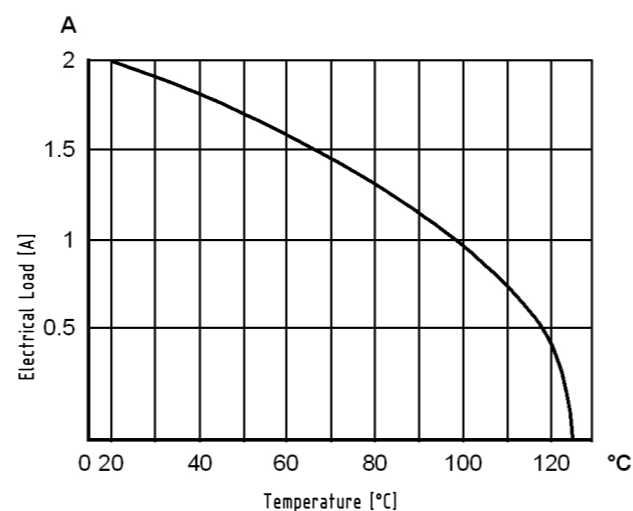
Contact material	Copper alloy
Plating termination zone	Sn over Ni for solder, Ni for wirewrap
Plating contact zone	Au over Ni

Derating diagram acc. to IEC 60512-5 (Current carrying capacity)

The current carrying capacity is limited by maximum temperature of materials for inserts and contacts including terminals.

The current capacity curve is valid for continuous, non interrupted current loaded contacts of connectors when simultaneous power on all contacts is given, without exceeding the maximum temperature.

Control and test procedures according to DIN IEC 60512-5



	All rights reserved Department EC PD - DE	All Dimensions in mm Original Size DIN A3		Scale 1:1	Free size tol.	Ref. Sub. DS 09032100005 500000059480 2013-02-26	
		Created by ELLERMANN		Inspected by TADJE	Standardisation KOHLER	Date 2013-08-08	State Final Release
HARTING Electronics GmbH D-32339 Espelkamp		Title DIN Signal female connector				Doc-Key / ECM-Nr. 100530893/UGD/001/B 500000065201	
		Type DS	Number 09032100005		Rev. B	Page 1/1	