Pushing Performance
Since 1945

D Sub Mixed Male RA 13W3 - 20 Amp - W sc



Image is for illustration purposes only. Please refer to product description.

Part number	09 69 300 9026
Specification	D Sub Mixed Male RA 13W3 - 20 Amp - W sc
HARTING eCatalogue	https://harting.com/09693009026

Identification

Category	Connectors
Series	D-Sub
Identification	Mixed
Element	Connector
Description of the contact	Turned Angled

Version

Termination method	Wave soldering termination
Gender	Male
Size	D-Sub 3
Number of contacts	13
Number of signal contacts	10
Number of special contacts	3x
PCB fixing	With frame With board locks
Locking type	Fixing flange with fitted screw lock 4-40 UNC

Technical characteristics

Contact spacing (termination side)	2.77 mm
Flange height	7.3 mm
Rated current	5 A
Rated current (special contact)	20 A
Insulation resistance	$>10^5$ Ω

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Technical characteristics

Contact resistance, signal area	≤10 mΩ
Contact resistance	≤1 mΩ
Tightening torque	≤0.4 Nm Locking screw
Limiting temperature	-55 ... +125 °C
Performance level	NM 30 (S4) 1
Mating cycles	≥500
Test voltage $U_{r.m.s.}$	1 kV
Isolation group	IIIa (175 ≤ CTI < 400)
PCB thickness	1.6 mm
Hot plugging	No

Material properties

Material (insert)	Thermoplastic resin, glass-fibre filled (PBT) Shell: steel, tin plated
Colour (insert)	Black
Material (contacts)	Copper alloy
Surface (contacts)	Gold plated Mating side Sn over Ni Termination side
Layer thickness	≥0.76 µm
Layer thickness	≥30 µinch
Material flammability class acc. to UL 94	V-0
RoHS	compliant with exemption
RoHS exemptions	6(a)-I: Lead as an alloying element in steel for machining purposes containing up to 0,35 % lead by weight 6(c): Copper alloy containing up to 4 % lead by weight
ELV status	compliant with exemption
China RoHS	50
REACH Annex XVII substances	Not contained
REACH ANNEX XIV substances	Not contained
REACH SVHC substances	Yes
REACH SVHC substances	Lead
ECHA SCIP number	ecef7555-f643-4ceb-a337-fc54762297f1
California Proposition 65 substances	Yes
California Proposition 65 substances	Lead Nickel

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Material properties

Fire protection on railway vehicles	EN 45545-2 (2020-08) + A1 (2023-10)
Requirement set with Hazard Levels	R26

Specifications and approvals

Specifications	DIN 41652-1 CECC 75301-802

Commercial data

Packaging size	25
Net weight	26.04 g
Country of origin	Germany
European customs tariff number	85366930
GTIN	5713140279780
eCl@ss	27440214 D-Sub coupler
ETIM	EC001136
UNSPSC 24.0	39121469

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