Pushing Performance
Since 1945

DSUB SV MA TSDC 50P AU3

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

Part number	09 67 050 5604
Specification	DSUB SV MA TSDC 50P AU3
HARTING eCatalogue	https://harting.com/09670505604

Identification

Category	Connectors
Series	D-Sub
Identification	Standard
Element	Connector
Description of the contact	Turned Straight

Version

Termination method	Solder cup termination
Gender	Male
Size	D-Sub 5
Connection type	PCB to cable Cable to cable
Number of contacts	50
Locking type	Fixing flange with feed through hole Ø 3.1 mm

Technical characteristics

Conductor cross-section (mm²)	0.5 mm² max.
Conductor cross-section (AWG)	AWG 20
Rated current	7.5 A
Clearance distance	≥1 mm
Creepage distance	≥1 mm
Insulation resistance	$>10^{10}$ Ω
Contact resistance	≤10 mΩ

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Technical characteristics

Stripping length	2.5 ... 3 mm
Limiting temperature	-55 ... +125 °C (Soldering iron temperature during soldering: max. 350 °C for 3-5 s)
Insertion force	≤167 N
Withdrawal force	≥14.5 N ≤111 N
Performance level	3
Mating cycles	≥50
Test voltage $U_{r.m.s.}$	1 kV
Isolation group	IIIa (175 ≤ CTI < 400)
Hot plugging	No

Material properties

Material (insert)	Thermoplastic resin, glass-fibre filled (PBTP) Shell: steel, tin plated
Colour (insert)	White
Material (contacts)	Copper alloy
Surface (contacts)	Noble metal over Ni
Material flammability class acc. to UL 94	V-0
RoHS	compliant with exemption
RoHS exemptions	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
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

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UL / CSA	UL 1977 ECBT2.E102079

Commercial data

Packaging size	50
Net weight	0.01 g
Country of origin	Germany
European customs tariff number	85366990
GTIN	5713140093751
eCl@ss	27440214 D-Sub coupler
ETIM	EC001136
UNSPSC 24.0	39121469

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