



Pushing Performance  
Since 1945

# D SUB IP 67\_ 9 POLE ANGLED



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

Part number	09 67 509 9658
Specification	D SUB IP 67_ 9 POLE ANGLED
HARTING eCatalogue	<a href="https://harting.com/09675099658">https://harting.com/09675099658</a>

## Identification

Category	Connectors
Series	D-Sub
Identification	IP67
Element	Connector
Specification	With rear frame
Description of the contact	Turned Angled

## Version

Termination method	Wave soldering termination
Gender	Male
Size	D-Sub 1
Number of contacts	9
further contacts	With grounding pin
PCB fixing	With board locks
Locking type	Fixing flange with thread M3

## Technical characteristics

Distance between rows	2.54 mm
Contact spacing (termination side)	2.74 mm
Rated current	5 A
Clearance distance	≥1 mm
Creepage distance	≥1 mm



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## Technical characteristics

Insulation resistance	$> 5 \times 10^9 \Omega$
Contact resistance	$\leq 25 \text{ m}\Omega$
Tightening torque	0.4 ... 0.6 Nm Female screw lock
Limiting temperature	-25 ... +70 °C
Performance level	NM 30 (S4) 1
Mating cycles	$\geq 500$
Degree of protection acc. to IEC 60529	IP67
Test voltage $U_{r.m.s.}$	1.2 kV
Isolation group	IIIa ( $175 \leq \text{CTI} < 400$ )
PCB thickness	1.6 mm
Installation height	7.3 mm
Hot plugging	No

## Material properties

Material (insert)	Thermoplastic resin, glass-fibre filled Shell: brass, tin plated
Colour (insert)	Red
Material (contacts)	Copper alloy
Surface (contacts)	Noble metal over Ni
Layer thickness	$\geq 0.76 \mu\text{m}$
Layer thickness	$\geq 30 \mu\text{inch}$
Material (seal)	Silicone
Colour (seal)	Red
Material	Thermoplastic resin, glass-fibre filled
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



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## Material properties

ECHA SCIP number	ecef7555-f643-4ceb-a337-fc54762297f1
California Proposition 65 substances	Yes
California Proposition 65 substances	Lead
	Nickel

## Specifications and approvals

Specifications	DIN 41652
UL / CSA	UL 1977 ECBT2.E102079

## Commercial data

Packaging size	50
Net weight	12.74 g
Country of origin	Germany
European customs tariff number	85366990
GTIN	5713140094345
ETIM	EC001136
eCl@ss	27440214 D-Sub coupler