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UTC

DIN power female connector







IEC 60603-2 types: H	female			
15				
5,08 mm / 6,5 mm between the rov	5,08 mm / 6,5 mm between the rows			
3100 V				
≤ 8 mOhm				
≥ 10 ¹² Ohm				
15 A@20℃ (see derating diagram)	 15 A@20℃ (see derating diagram)			
-55℃ +125℃				
cage clamp	cage clamp			
min. 4,5 mm				
min. 8,0 mm				
15pol. ≤ 90N				
- PL1 acc. to IEC 60 603-2 =>	500 mating cycles			
- PL2 acc. to IEC 60 603-2 =>	400 mating cycles			
- PL3 acc. to IEC 60 603-2 =>	50 mating cycles			
E102079				
Yes				
Yes				
No				
	15 5,08 mm / 6,5 mm between the rov 3100 V ≤ 8 mOhm ≥ 10 ¹² Ohm 15 A@20℃ (see derating diagram) -55℃ +125℃ cage clamp min. 4,5 mm min. 8,0 mm 15pol. ≤ 90N - PL1 acc. to IEC 60 603-2 => - PL2 acc. to IEC 60 603-2 => - PL3 acc. to IEC 60 603-2 => E102079 Yes Yes			

Insulator material					
Material	PC (thermoplastics, glass fiber reinforcement 20%)				
Color	RAL 7032 (grey)				
UL classification	UL 94-V0				
Material group acc. IEC 60664-1	IIIa (175 <u><</u> CTI < 400)				
NFF classification	I2, F1				

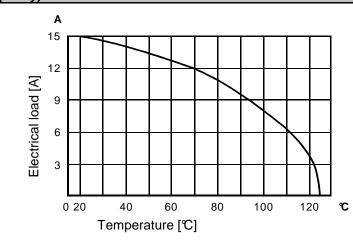
Contact material						
Contact material	Copper alloy					
Plating termination zone	Ag					
Plating contact zone	Ag					

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

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

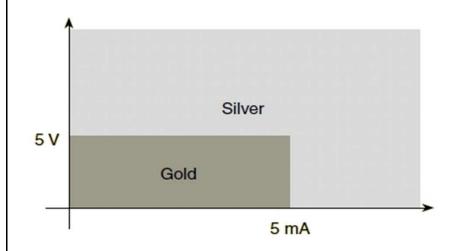


Low currents and voltages

Type H standard contacts have a silver plated surface. This precious metal has excellent conductive properties. In the course of a contact's lifetime, the silver surface generates a black oxide layer due to its affinity to sulphur. This layer is smooth and very thin and is partly interrupted when the contacts are mated and unmated, thus guaranteeing very low contact resistances. In the case of very low currents or voltages small changes to the transmitted signal may be encountered.

In systems where such a change to the transmitted signal could lead to faulty functions and also in extremely aggressive environments, HARTING recommend the use of gold plated contacts.

Below is a table derived from actual experiences.



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					Date	Name		Technical data sheet
				Detail.	28/04/11	mte	HARTING	DIN newer female connector
				Inspec.	28/04/11	TD		HAKIING
	EC01557			Stand.				DS 09 06 210 07 01
	Mod.	Date	Name	HARTING Electronics GmbH & Co. KG			mbH & Co. KG	D3 09 00 210 07 01