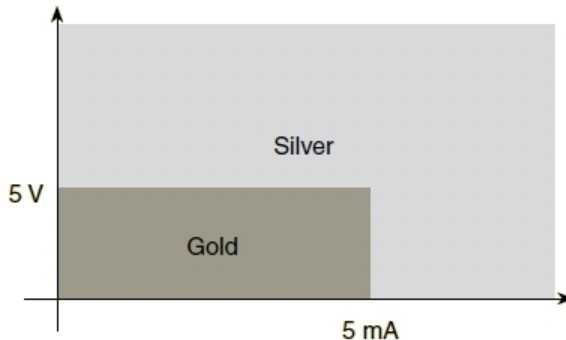
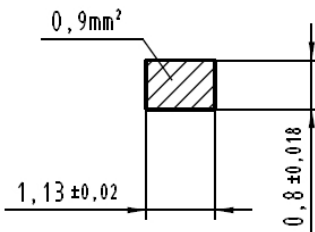
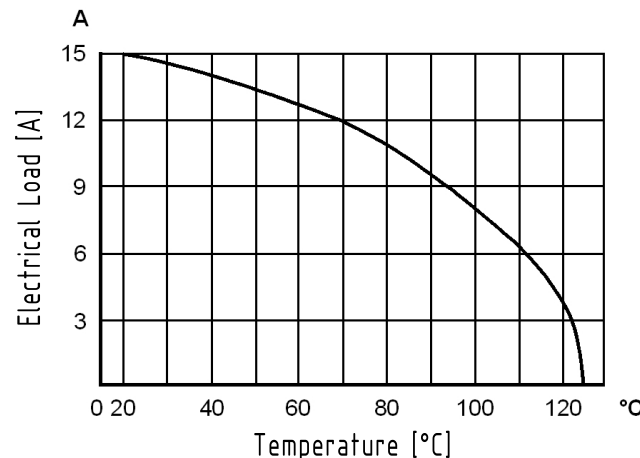


1	2	3	4	5	6	7	8																																																				
A	 DIN power female connector RoHS compliant  			Low currents and voltages Type H standard contacts have a silver plated surface. This precious metal has excellent conductive properties. In the course of a contact's lifetime, the silver 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. 				A																																																			
B	General information <table><tr><td>Design</td><td>IEC 60603-2</td><td>type: H female low profile</td></tr><tr><td>No. of contacts</td><td>15</td><td></td></tr><tr><td>Contact spacing</td><td>5,08 mm / 6,5 mm between the rows</td><td></td></tr><tr><td>Test voltage</td><td>3100 V</td><td></td></tr><tr><td>Contact resistance</td><td>max. 8mOhm</td><td></td></tr><tr><td>Insulation resistance</td><td>min. 10⁹Ohm</td><td></td></tr><tr><td>Working current</td><td>15A at 20°C (see derating diagram)</td><td></td></tr><tr><td>Temperature range</td><td>-55°C ... +125°C</td><td></td></tr><tr><td>Termination technology</td><td>solder</td><td></td></tr><tr><td>Clearance</td><td>min. 4,5 mm</td><td></td></tr><tr><td>Creepage</td><td>min. 8,0 mm</td><td></td></tr><tr><td>Insertion and withdrawal force</td><td>15-pole max. 90N</td><td></td></tr><tr><td>Mating cycles</td><td>- PL1 acc. to IEC 60603-2 => - PL2 acc. to IEC 60603-2 => - PL3 acc. to IEC 60603-2 =></td><td>500 mating cycles 400 mating cycles 50 mating cycles</td></tr><tr><td>UL file</td><td>E102079</td><td></td></tr><tr><td>RoHS - compliant</td><td>Yes</td><td></td></tr><tr><td>Leadfree</td><td>Yes</td><td></td></tr><tr><td>Hot plugging</td><td>No</td><td></td></tr></table>			Design	IEC 60603-2	type: H female low profile	No. of contacts	15		Contact spacing	5,08 mm / 6,5 mm between the rows		Test voltage	3100 V		Contact resistance	max. 8mOhm		Insulation resistance	min. 10 ⁹ Ohm		Working current	15A at 20°C (see derating diagram)		Temperature range	-55°C ... +125°C		Termination technology	solder		Clearance	min. 4,5 mm		Creepage	min. 8,0 mm		Insertion and withdrawal force	15-pole max. 90N		Mating cycles	- PL1 acc. to IEC 60603-2 => - PL2 acc. to IEC 60603-2 => - PL3 acc. to IEC 60603-2 =>	500 mating cycles 400 mating cycles 50 mating cycles	UL file	E102079		RoHS - compliant	Yes		Leadfree	Yes		Hot plugging	No						B
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D	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 09 06 210 02 01 / EC01557 / 28.04.02011 Created by HAGEMEYERE Inspected by TADJE Standardisation HOFFMANN Date 2014-09-12 State Final Release Title DIN power female connector Type DS Number 09062100201 Doc-Key / ECM-Nr. 100580736/UGD/000/A 500000076069 Rev. A Page 1/1				D																																																			
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