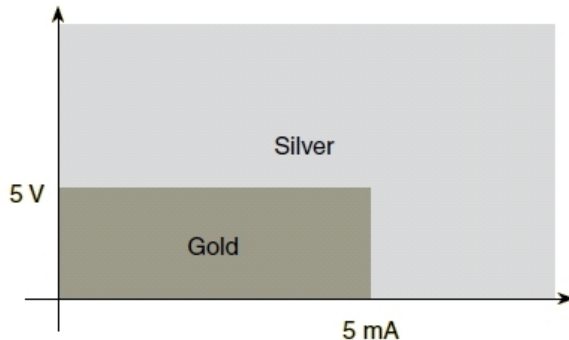
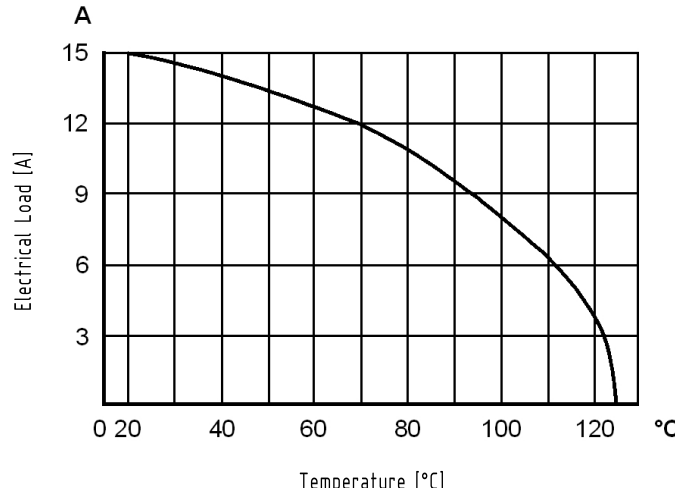


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A	 DIN power female connector RoHS compliant 				Low currents and voltages Type H standard contacts have a silver plated surface. This precious metal has excellent conductive properties. In the course of a contact's lifetime, the silver surface generates 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>complementary IEC 60603-2</td><td>types: H female</td></tr><tr><td>No. of contacts</td><td>16</td><td></td></tr><tr><td>Contact spacing</td><td>10,16 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. 10¹⁰Ohm</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>faston</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>16pole max. 90N</td><td></td></tr><tr><td>Mating cycles</td><td>- PL1 acc. to IEC 60603-2 =></td><td>500 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	complementary IEC 60603-2	types: H female	No. of contacts	16		Contact spacing	10,16 mm / 6,5 mm between the rows		Test voltage	3100 V		Contact resistance	max. 8mOhm		Insulation resistance	min. 10 ¹⁰ Ohm		Working current	15A at 20°C (see derating diagram)		Temperature range	-55°C ... +125°C		Termination technology	faston		Clearance	min. 4,5 mm		Creepage	min. 8,0 mm		Insertion and withdrawal force	16pole max. 90N		Mating cycles	- PL1 acc. to IEC 60603-2 =>	500 mating cycles	UL file	E102079		RoHS - compliant	Yes		Leadfree	Yes		Hot plugging	No						B
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F					 All rights reserved Department EC PD - DE HARTING Electronics GmbH D-32339 Espelkamp  All Dimensions in mm Original Size DIN A3 Scale 1:1 Free size tol. Created by HAGEMEYERE Inspected by TADJE Standardisation HOFFMANN Date 2014-09-12 State Final Release Title DIN power female connector Type DS Number 09062100902 Doc-Key / ECM-Nr. 100580727/UGD/000/A 500000076069 Rev. A Page 1/1				F																																																			
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