	2	3	4	5 6 7 8
			'	
HARTING	DIN power femal	le connector	RoHS COMPliant	Low currents and voltages
	5 power remer		отрини • • • • • • • • • • • • • • • • • •	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
General information		<u>.</u>	:	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, HAI
 Design	complementary IEC 60603-2	types: H female		recommend the use of gold plated contacts.
No. of contacts	16			Below is a table derived from actual experiences.
Contact spacing	10,16 mm / 6,5 mm between the rows			Detow is a rable derived from actual experiences.
Test voltage	3100 V	•		
Contact resistance	max. 8m0hm	·		
nsulation resistance	min. 10½0hm			
Working current	15A at 20°C (see derating diagram)			Silver
Temperature range	-55°C +125°C	,		5 V
Termination technology	faston			
Clearance	min. 4,5 mm			Gold
<u>Creepage</u>	min. 8,0 mm			
nsertion and withdrawal force	16pole max. 90N	500		5 mA
Mating cycles	- PL1 acc. to IEC 60603-2 =>	500 mating cycles		<u> </u>
JL file	E102079			<u> </u>
RoHS - compliant	Yes			<u> </u>
Leadfree	Yes			—
Hot plugging	No	,		—
				<u> </u>
Insulator material	:	:	:	-
Material	PBT (thermoplastics, glass fiber reinforc	-amant 30%)		<u> </u>
Colour	RAL 7032 (grey)			
UL classification	UL 94-V0			<u>- </u>
Material group acc. to IEC 60664-1	IIIa (175 <u><</u> CTI < 400)			<u> </u>
NFF classification	13, F4			<u>- </u>
::3331112411011				<u> </u>
Contact material				-
		:	:	-
	Copper alley			
Contact material	Copper alloy	•		
	Ag			
Plating termination zone				—
Plating termination zone	Ag		· · · · · · · · · · · · · · · · · · ·	
Plating termination zone Plating contact zone	Ag Ag			
Plating termination zone Plating contact zone Derating diagram acc. to IEC 60512-5 (Cur	Ag Ag rent carrying capacity)			
Plating termination zone Plating contact zone Derating diagram acc. to IEC 60512-5 (Curi	Ag Ag rent carrying capacity)	A	· · · · · · · · · · · · · · · · · · ·	
Contact material Plating termination zone Plating contact zone Derating diagram acc. to IEC 60512-5 (Curi The current carrying capacity is limited by temperature of materials for inserts and terminals.	Ag Ag rent carrying capacity) / maximum contacts including	A 15		
Plating termination zone Plating contact zone Derating diagram acc. to IEC 60512-5 (Curl The current carrying capacity is limited by temperature of materials for inserts and terminals. The current capacity curve is valid for co	Ag Ag rent carrying capacity) / maximum contacts including ntinuous, non	15		
Plating termination zone Plating contact zone Derating diagram acc. to IEC 60512-5 (Curion The current carrying capacity is limited by temperature of materials for inserts and terminals. The current capacity curve is valid for contacts of contacts of contacts of contacts of contacts of contacts is given.	Ag Ag rent carrying capacity) / maximum contacts including ntinuous, non nnectors when	15		
Plating termination zone Plating contact zone Derating diagram acc. to IEC 60512-5 (Cur The current carrying capacity is limited by temperature of materials for inserts and terminals. The current capacity curve is valid for conterrupted current loaded contacts of cosimultaneous power on all contacts is give	Ag Ag rent carrying capacity) / maximum contacts including ntinuous, non nnectors when	15		
Plating termination zone Plating contact zone Derating diagram acc. to IEC 60512-5 (Curification of the current carrying capacity is limited by temperature of materials for inserts and terminals. The current capacity curve is valid for conterrupted current loaded contacts of conterrupted current loaded contacts is given the maximum temperature.	Ag rent carrying capacity) / maximum contacts including ntinuous, non nnectors when en, without exceeding	15 12 [Y] Peo 9		
Plating termination zone Plating contact zone Derating diagram acc. to IEC 60512-5 (Curion The current carrying capacity is limited by temperature of materials for inserts and terminals. The current capacity curve is valid for cointerrupted current loaded contacts of co	Ag rent carrying capacity) / maximum contacts including ntinuous, non nnectors when en, without exceeding	15 12 [Y] Peo 9		All Dimensions in mm Scale Free size tol. Ref. Characterist and the size of the size tol.
Plating termination zone Plating contact zone Derating diagram acc. to IEC 60512-5 (Cur The current carrying capacity is limited by remperature of materials for inserts and reminals. The current capacity curve is valid for conterrupted current loaded contacts of conterrupted current loaded contacts is given the maximum temperature.	Ag rent carrying capacity) / maximum contacts including ntinuous, non nnectors when en, without exceeding	15		Original Size DIN A3 1:1 Sub. DS 09 06 210 09 02 / EC01557 / 28.04.2011
Plating termination zone Plating contact zone Derating diagram acc. to IEC 60512-5 (Cur The current carrying capacity is limited by the emperature of materials for inserts and terminals. The current capacity curve is valid for conterrupted current loaded contacts of conterrupted current loaded contacts is given the maximum temperature.	Ag rent carrying capacity) / maximum contacts including ntinuous, non nnectors when en, without exceeding	15 12 [Y] Peo 9		Original Size DIN A3 1:1 Sub. DS 09 06 210 09 02 / EC01557 / 28.04.2011 All rights reserved Created by Inspected by Standardisation Date State
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Plating termination zone Plating contact zone Derating diagram acc. to IEC 60512-5 (Cur The current carrying capacity is limited by remperature of materials for inserts and reminals. The current capacity curve is valid for conterrupted current loaded contacts of conterrupted current loaded contacts is given the maximum temperature.	Ag rent carrying capacity) / maximum contacts including ntinuous, non nnectors when en, without exceeding	15 12 Flectrical Load [A] 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9		Original Size DIN A3 1:1 Sub. DS 09 06 210 09 02 / EC01557 / 28.04.2011 All rights reserved HAGEMEYERE TADJE HOFFMANN Department EC PD - DE HARTING Electronics GmbH Title DIN power female connector Date 2014-09-12 Final Release Doc-Key 100580727 500000076
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