	2	3	4	5 6 7 8
			'	
HARTING	DIN power femal	e connector	RoHS CSU	Low currents and voltages
	Jiii poilei Teillei			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.
Design	complementary IEC 60603-2	types: H female		In systems where such a change to the transmitted signal could lead to faulty functions and also in extremely aggressive environments, HAR 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			Below is a fable derived from actual experiences.
Test voltage	3100 V			
Contact resistance	max. 8m0hm			
Insulation resistance	min. 10^{12} Ohm			
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
Creepage	min. 8,0 mm			
Insertion and withdrawal force	16pole max. 90N			5 mA
Mating cycles	- PL1 acc. to IEC 60603-2 =>	500 mating cycles		
UL file	E102079			<u></u>
RoHS - compliant	Yes			<u> </u>
Leadfree	Yes			<u> </u>
Hot plugging	No			<u> </u>
la collabora de la Collabora d				
Insulator material			 	<u></u>
Material	PBT (thermoplastics, glass fiber reinforce			
Colour	RAL 7032 (grey)	EIIIEIII 3070)		
UL classification	UL 94-V0			
Material group acc. to IEC 60664-1	IIIa (175 <u><</u> CTI < 400)			
NFF classification	13, F4		<u> </u>	
The Classification				
Contact material				
CONTACT MATERIAL		÷	:	
CUITACT MATERIAL				
Contact material Contact material	Copper alloy			
	Copper alloy			
Contact material Plating termination zone				
Contact material Plating termination zone	Ag			
Contact material Plating termination zone Plating contact zone	Ag Ag			
Contact material Plating termination zone Plating contact zone Derating diagram acc. to IEC 60512-5 (Cur	Ag Ag rent carrying capacity)			
Contact material Plating termination zone Plating contact zone Derating diagram acc. to IEC 60512-5 (Cur	Ag Ag rent carrying capacity) y maximum	A		
Contact material 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.	Ag Ag rent carrying capacity) y maximum contacts including	A 15		
Contact material Plating termination zone Plating contact zone Derating diagram acc. to IEC 60512-5 (Curical Contents of 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) y maximum contacts including ontinuous, non	15		
Contact material Plating termination zone Plating contact zone Derating diagram acc. to IEC 60512-5 (Curion 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 is given	Ag Ag rent carrying capacity) y maximum contacts including ontinuous, non onnectors when	15		
Contact material Plating termination zone Plating contact zone Derating diagram acc. to IEC 60512-5 (Curion 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 Ag rent carrying capacity) y maximum contacts including ontinuous, non onnectors when	15		
Contact material Plating termination zone Plating contact zone Derating diagram acc. to IEC 60512-5 (Curion 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 is given	Ag Ag rent carrying capacity) y maximum contacts including ontinuous, non onnectors when en, without exceeding	15 12 [V] Peo 9		
Contact material Plating termination zone Plating contact zone Derating diagram acc. to IEC 60512-5 (Curion 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 is given the maximum temperature.	Ag Ag rent carrying capacity) y maximum contacts including ontinuous, non onnectors when en, without exceeding	15 12 [V] Peo 9		All Dimensions in mm Scale Free size tol. Ref. Sub. DS 09 06 210 09 02 / FF(1)(SS7 / 28 04 2011)
Contact material Plating termination zone Plating contact zone Derating diagram acc. to IEC 60512-5 (Curion 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 is given the maximum temperature.	Ag Ag rent carrying capacity) y maximum contacts including ontinuous, non onnectors when en, without exceeding	15		Original Size DIN A3 1:1 Sub. DS 09 06 210 09 02 / EC01557 / 28,04.2011
Contact material Plating termination zone Plating contact zone Derating diagram acc. to IEC 60512-5 (Curion 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 Ag rent carrying capacity) y maximum contacts including ontinuous, non onnectors when en, without exceeding	15 12 [V] Peo 9		Original Size DIN A3 1:1 Sub. DS 09 06 210 09 02 / EC01557 / 28.04.2011 All rights reserved Created by HAGEMEYERE TABLE TABLE TABLE Sub. DS 09 06 210 09 02 / EC01557 / 28.04.2011 Date State Final Paleace
Contact material Plating termination zone Plating contact zone Derating diagram acc. to IEC 60512-5 (Curical Curical	Ag Ag rent carrying capacity) y maximum contacts including ontinuous, non onnectors when en, without exceeding	15 Plectrical Load [A] 9 6 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 Repartment 56 DD DS Original Size DIN A3 1:1 Sub. DS 09 06 210 09 02 / EC01557 / 28.04.2011 Date State Final Release
Contact material Plating termination zone Plating contact zone Derating diagram acc. to IEC 60512-5 (Curical Curical Curica	Ag Ag rent carrying capacity) y maximum contacts including ontinuous, non onnectors when en, without exceeding	15 Plectrical Load [A] 9 6 9 9 9 9 9 9 9 9	50 80 100 120 °	Original Size DIN A3 1:1 Sub. DS 09 06 210 09 02 / EC01557 / 28.04.2011 All rights reserved Department EC PD - DE Title DIN power female connector Sub. DS 09 06 210 09 02 / EC01557 / 28.04.2011 Date 2014-09-12 Final Release Doc-Key 1005809727, 1005809727
Contact material Plating termination zone Plating contact zone Derating diagram acc. to IEC 60512-5 (Curion 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 is given the maximum temperature.	Ag Ag rent carrying capacity) y maximum contacts including ontinuous, non onnectors when en, without exceeding	15 12 Flectrical Load [A] 3 0 20 40 60		Original Size DIN A3 1:1 Sub. DS 09 06 210 09 02 / EC01557 / 28.04.2011 All rights reserved Department EC PD - DE HARTING Electronics GmbH Title DIN power female connector Sub. DS 09 06 210 09 02 / EC01557 / 28.04.2011 Date 2014-09-12 Final Release Doc-Key 100580727, 500000076
Contact material Plating termination zone Plating contact zone Derating diagram acc. to IEC 60512-5 (Curion Curion Cur	Ag Ag rent carrying capacity) y maximum contacts including ontinuous, non onnectors when en, without exceeding	15 12 Flectrical Load [A] 3 0 20 40 60	50 80 100 120 ° emperature [°C]	Original Size DIN A3 1:1 Sub. DS 09 06 210 09 02 / EC01557 / 28.04.2011 All rights reserved Department EC PD - DE HARTING Electronics GmbH 1:1 Sub. DS 09 06 210 09 02 / EC01557 / 28.04.2011 Date 2014-09-12 Final Release Doc-Key 100580727, 500000076

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

HARTING:

09062152871 09062152811 09062162411