	2	<u>, </u>	4	5 6 7 8
	DIM source forst	la cannachan	Dalle / FR	Low currents and voltages
HARTING	DIN power femal	re connector.	RoHS c ST us	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				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, HARTII recommend the use of gold plated contacts.
Design	IEC 60603-2	type: H female low profile		-
No. of contacts	15			Below is a table derived from actual experiences.
Contact spacing	5,08 mm / 6,5 mm between the rows			
Test voltage	3100 V			- ↑
Contact resistance	max. 8mOhm			
Insulation resistance	min. 10½0hm			
Working current	15A at 20°C (see derating diagram)			Silver
Temperature range	-55°C +125°C			5 V
Termination technology	solder			
Clearance	min. 4,5 mm			Gold
Creepage	min. 8,0 mm			
Insertion and withdrawal force	15-pole max. 90N			5 mA
	- PL1 acc. to IEC 60603-2 =>	500 mating cycles		
Mating cycles	- PL2 acc. to IEC 60603-2 =>	400 mating cycles		Soldering instructions
	- PL3 acc. to IEC 60603-2 =>	50 mating cycles		ביינעברוווץ ווואדוענווטווג
UL file	E102079			The connectors should be protected when being soldered in a dip, flow or film soldering baths. Otherwise, they might become contaminated as a
RoHS - compliant	Yes			result of soldering operations or deformed as a result of overheating.
Leadfree	Yes			—— (1) For prototypes and short runs protect the connectors with an industrial adhesive tape, e.g. Tesaband 4331 (www.tesa.de). Cover the undersic
Hot plugging	No			of the connector moulding and the adjacent parts of the pcb as well as the open sides of the connector. This will prevent heat and gases of t soldering apparatus from damaging the connector. About 140 + 5 mm of the tape should suffice.
Insulator material			.	
				(2) For large series a jig is recommended. Its protective cover with a fast action mechanical locking device shields the connectors from gas and heat generated by the soldering apparatus. As an additional protection a foil can be used for covering the parts that should not be soldered.
Material	PBT (thermoplastics, glass fiber reinforce			
Colour	RAL 7032 (grey)			Cross section of solder pins
UL classification	UL 94-V0			-
Material group acc. to IEC 60664-1	IIIa (175 <u><</u> CTI < 400)			
NFF classification	13, F4			
mir etassification	ы, і т			- <u>///4</u>
Contact material				1,13±0.02
Castact material	Canan allan			
Contact material Plating termination zone	Copper alloy			–
	Ag or Au Ag or Au			–
Plating contact zone	ny vi Au			-
Derating diagram acc. to IEC 60512-5 (Curr	ent carrying capacity)			_
The current carrying capacity is limited by temperature of materials for inserts and o		A 15 (1-5-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1		
terminals.	-			
The current capacity curve is valid for cor interrupted current loaded contacts of cor	tinuous, non	⊴ 12	Δ	
simultaneous power on all contacts is give		e da		
the maximum temperature.				All Dimensions in mm Scale Free size tol. Original Size DIN A3 1:1 Ref. Sub. Ds 09 06 210 02 01 / EC01557 / 28,04,02011
Control and test procedures according to DIN IEC 60512-5			SUB. US 09 (16 ZIV VZ 01 / ZCU4.)ZU11	
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			.	HARTING Flectronics GmbH Title DIN power female connector
		<u></u>		
		0 20 40 60	80 100 120 °C	TIANTING ELECTIVINGS GIIDH
			80 100 120 °C	HARTING Electronics GmbH D-32339 Espelkamp Type DS Number 09062100201