

1	2	3	4	5	6	7	8						
HARTING 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. 5 V Silver Gold 5 mA Soldering instructions The connectors should be protected when being soldered in a dip, flow or film soldering baths. Otherwise, they might become contaminated as a result of soldering operations or deformed as a result of overheating. (1) For prototypes and short runs protect the connectors with an industrial adhesive tape, e.g. Tesaband 4331 (www.tesa.de). Cover the underside 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 the soldering apparatus from damaging the connector. About 140 + 5 mm of the tape should suffice. (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. Cross section of solder pins 0,9mm² 1,13 ±0,02 0,8 ±0,018				HARTING All rights reserved Department EC PD - DE HARTING Electronics GmbH D-32339 Espelkamp				Scale 1:1 Free size tol. Ref. Sub. Ds 09 06 210 02 01 / EC01557 / 28.04.02011 HARTING All rights reserved Department EC PD - DE HARTING Electronics GmbH D-32339 Espelkamp 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	



DIN power female connector

RoHS
compliant

General information

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	

Insulator material

Material	PBT (thermoplastics, glass fiber reinforcement 30%)
Colour	RAL 7032 (grey)
UL classification	UL 94-V0
Material group acc. to IEC 60664-1	IIIa (175 ≤ CTI < 400)
NFF classification	I3, F4

Contact material

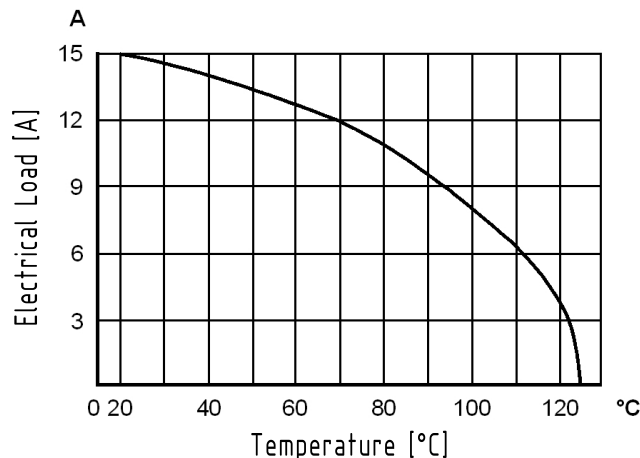
Contact material	Copper alloy
Plating termination zone	Ag or Au
Plating contact zone	Ag or Au

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



Mouser Electronics

Authorized Distributor

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

HARTING:

[09062152831](#) [09062152821](#) [09062152892](#) [09062152812](#) [09062152891](#) [09062152841](#)

Данный компонент на территории Российской Федерации

Вы можете приобрести в компании MosChip.

Для оперативного оформления запроса Вам необходимо перейти по данной ссылке:

<http://moschip.ru/get-element>

Вы можете разместить у нас заказ для любого Вашего проекта, будь то серийное производство или разработка единичного прибора.

В нашем ассортименте представлены ведущие мировые производители активных и пассивных электронных компонентов.

Нашей специализацией является поставка электронной компонентной базы двойного назначения, продукции таких производителей как XILINX, Intel (ex.ALTERA), Vicor, Microchip, Texas Instruments, Analog Devices, Mini-Circuits, Amphenol, Glenair.

Сотрудничество с глобальными дистрибьюторами электронных компонентов, предоставляет возможность заказывать и получать с международных складов практически любой перечень компонентов в оптимальные для Вас сроки.

На всех этапах разработки и производства наши партнеры могут получить квалифицированную поддержку опытных инженеров.

Система менеджмента качества компании отвечает требованиям в соответствии с ГОСТ Р ИСО 9001, ГОСТ РВ 0015-002 и ЭС РД 009

Офис по работе с юридическими лицами:

105318, г.Москва, ул.Щербаковская д.3, офис 1107, 1118, ДЦ «Щербаковский»

Телефон: +7 495 668-12-70 (многоканальный)

Факс: +7 495 668-12-70 (доб.304)

E-mail: info@moschip.ru

Skype отдела продаж:

moschip.ru

moschip.ru_4

moschip.ru_6

moschip.ru_9