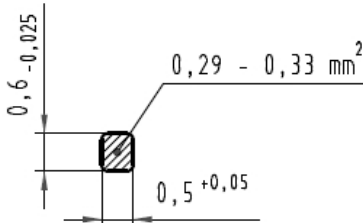
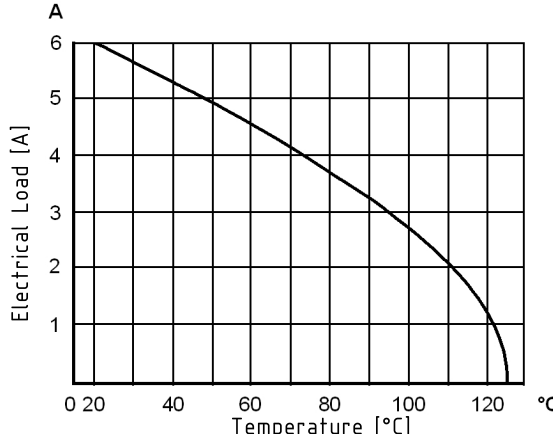


1	2	3	4	5	6	7	8																																																			
HARTING DIN power male connector RoHS compliant				Soldering instructions The connectors should be protected when being soldered in a dip, flow or film soldering bath. Otherwise, they might become contaminated as a result of soldering 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.																																																						
General information <table><tr><td>Design</td><td>IEC 60603-2</td><td>types: D, E male</td></tr><tr><td>No. of contacts</td><td>max. 48</td><td></td></tr><tr><td>Contact spacing</td><td>5,08 mm</td><td>(2,54 mm or 5,08 mm on termination side for types D and E angled)</td></tr><tr><td>Test voltage</td><td>1550V</td><td></td></tr><tr><td>Contact resistance</td><td>max. 15mOhm</td><td></td></tr><tr><td>Insulation resistance</td><td>min. 10¹²Ohm</td><td></td></tr><tr><td>Working current</td><td>max. 6 A 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>solder pins</td><td></td></tr><tr><td>Clearance</td><td>min. 3,0 mm</td><td>(min. 1,6 mm for 2,54 mm contact spacing at types D and E angled)</td></tr><tr><td>Creepage</td><td>min. 3,0 mm</td><td></td></tr><tr><td>Insertion and withdrawal force</td><td>32pol. max. 50N 48pol. max. 75N</td><td></td></tr><tr><td>Mating cycles</td><td>- PL1 acc. to IEC 60 603-2 => - PL2 acc. to IEC 60 603-2 => - PL3 acc. to IEC 60 603-2 =></td><td>500 mating cycles 400 mating cycles 50 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	IEC 60603-2	types: D, E male	No. of contacts	max. 48		Contact spacing	5,08 mm	(2,54 mm or 5,08 mm on termination side for types D and E angled)	Test voltage	1550V		Contact resistance	max. 15mOhm		Insulation resistance	min. 10 ¹² Ohm		Working current	max. 6 A at 20°C (see derating diagram)		Temperature range	-55°C ... +125°C		Termination technology	solder pins		Clearance	min. 3,0 mm	(min. 1,6 mm for 2,54 mm contact spacing at types D and E angled)	Creepage	min. 3,0 mm		Insertion and withdrawal force	32pol. max. 50N 48pol. max. 75N		Mating cycles	- PL1 acc. to IEC 60 603-2 => - PL2 acc. to IEC 60 603-2 => - PL3 acc. to IEC 60 603-2 =>	500 mating cycles 400 mating cycles 50 mating cycles	UL file	E102079		RoHS - compliant	Yes		Leadfree	Yes		Hot plugging	No		Cross section of solder pins 			
Design	IEC 60603-2	types: D, E male																																																								
No. of contacts	max. 48																																																									
Contact spacing	5,08 mm	(2,54 mm or 5,08 mm on termination side for types D and E angled)																																																								
Test voltage	1550V																																																									
Contact resistance	max. 15mOhm																																																									
Insulation resistance	min. 10 ¹² Ohm																																																									
Working current	max. 6 A at 20°C (see derating diagram)																																																									
Temperature range	-55°C ... +125°C																																																									
Termination technology	solder pins																																																									
Clearance	min. 3,0 mm	(min. 1,6 mm for 2,54 mm contact spacing at types D and E angled)																																																								
Creepage	min. 3,0 mm																																																									
Insertion and withdrawal force	32pol. max. 50N 48pol. max. 75N																																																									
Mating cycles	- PL1 acc. to IEC 60 603-2 => - PL2 acc. to IEC 60 603-2 => - PL3 acc. to IEC 60 603-2 =>	500 mating cycles 400 mating cycles 50 mating cycles																																																								
UL file	E102079																																																									
RoHS - compliant	Yes																																																									
Leadfree	Yes																																																									
Hot plugging	No																																																									
Insulator material <table><tr><td>Material</td><td>PBT (thermoplastics, glass fiber reinforcement 30%)</td></tr><tr><td>Colour</td><td>RAL 7032 (grey)</td></tr><tr><td>UL classification</td><td>UL 94-V0</td></tr><tr><td>Material group acc. to IEC 60664-1</td><td>IIIa (175 ≤ CTI < 400)</td></tr><tr><td>NFF classification</td><td>I3, F4</td></tr></table>				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																																													
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 <table><tr><td>Contact material</td><td>Copper alloy</td></tr><tr><td>Plating termination zone</td><td>Sn over Ni</td></tr><tr><td>Plating contact zone</td><td>Au over PdNi over Ni</td></tr></table>				Contact material	Copper alloy	Plating termination zone	Sn over Ni	Plating contact zone	Au over PdNi over Ni																																																	
Contact material	Copper alloy																																																									
Plating termination zone	Sn over Ni																																																									
Plating contact zone	Au over PdNi over Ni																																																									
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 																																																										
HARTING All rights reserved Department EC PD - DE HARTING Electronics GmbH D-32339 Espelkamp				Scale1:1 Free size tol. Created bySTORCK Inspected byLEHNERT StandardisationHOFFMANN Date2017-02-03 StateFinal Release TitleDIN power male connector TypeDS Number09041000201 Doc-Key / ECM-Nr.100580506/UGD/000/B500000114852 Rev.B Page1/1																																																						
1	2	3	4	5	6	7	8																																																			

Mouser Electronics

Authorized Distributor

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

HARTING:

[09053486931](#) [09056486931](#) [09041322921](#) [09041326922](#) [09041326951](#) [09046326951](#) [09051482931](#)
[09051487921](#) [09056486921](#) [09041326921](#) [09051486921](#) [09046326921](#) [09051482921](#) [09041326952](#) [09041327921](#)
[09053486921](#) [09056482921](#) [09051486931](#) [09043326921](#) [09051486951](#) [09051486961](#) [09058486921](#)
[09051482921222](#) [09051487931](#) [09046322951](#) [09051486921222](#)

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