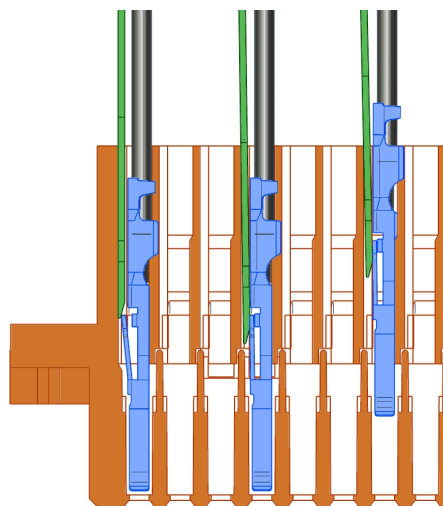
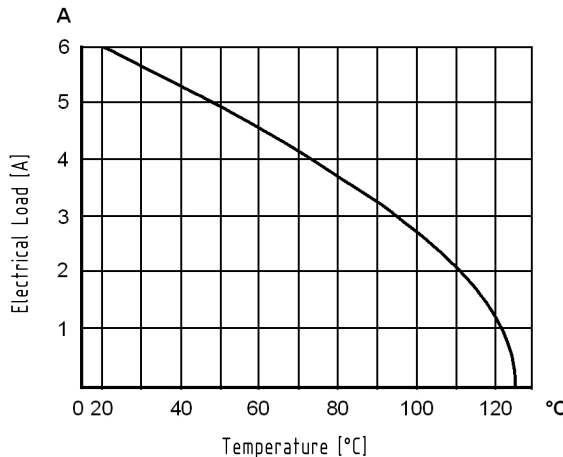


1	2	3	4	5	6	7	8																																																						
A	 DIN power female connector RoHS compliant 			Installation of crimp contacts Fitting the crimp contacts After crimping the wires onto the contacts with the help of a crimping tool or an automatic crimping machine the contacts should be correctly oriented and inserted into the cavities of the connector moulding in the required configuration. They snap into position and are firmly held in place. A light pull on the wire assures the correct tensile strength of the contact. When using stranded wires with a gauge below 0.37 mm² an insertion tool is necessary. Removing the crimp contacts The removal tool is inserted into a slot on the side of the respective crimp cavity. This action compresses the contact retaining spring therefore the contact can then be easily withdrawn using a light pull on the wire. This action will cause no damage to the contact/wire which can be repositioned/refitted as necessary. The drawing demonstrates the crimp removal procedure(max. 5x). 				A																																																					
B	General information <table><tr><td>Design</td><td>IEC 60603-2</td><td>types: 2F female</td></tr><tr><td>No. of contacts</td><td>max. 24</td><td></td></tr><tr><td>Contact spacing</td><td>5,08 mm</td><td>3,81mm between rows</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. 10⁹Ohm</td><td></td></tr><tr><td>Working current</td><td>max. 6A 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>crimp</td><td></td></tr><tr><td>Clearance</td><td>min. 1,6 mm</td><td></td></tr><tr><td>Creepage</td><td>min. 3,0 mm</td><td></td></tr><tr><td>Insertion and withdrawal force</td><td>24-pole max. 37N</td><td></td></tr><tr><td>Mating cycles</td><td>- PL1 acc. to IEC 60603-2 =></td><td>500 mating cycles</td></tr><tr><td></td><td>- PL2 acc. to IEC 60603-2 =></td><td>400 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: 2F female	No. of contacts	max. 24		Contact spacing	5,08 mm	3,81mm between rows	Test voltage	1550V		Contact resistance	max. 15mOhm		Insulation resistance	min. 10 ⁹ Ohm		Working current	max. 6A at 20°C (see derating diagram)		Temperature range	-55°C ... +125°C		Termination technology	crimp		Clearance	min. 1,6 mm		Creepage	min. 3,0 mm		Insertion and withdrawal force	24-pole max. 37N		Mating cycles	- PL1 acc. to IEC 60603-2 =>	500 mating cycles		- PL2 acc. to IEC 60603-2 =>	400 mating cycles	UL file	E102079		RoHS - compliant	Yes		Leadfree	Yes		Hot plugging	No					B
Design	IEC 60603-2	types: 2F female																																																											
No. of contacts	max. 24																																																												
Contact spacing	5,08 mm	3,81mm between rows																																																											
Test voltage	1550V																																																												
Contact resistance	max. 15mOhm																																																												
Insulation resistance	min. 10 ⁹ Ohm																																																												
Working current	max. 6A at 20°C (see derating diagram)																																																												
Temperature range	-55°C ... +125°C																																																												
Termination technology	crimp																																																												
Clearance	min. 1,6 mm																																																												
Creepage	min. 3,0 mm																																																												
Insertion and withdrawal force	24-pole max. 37N																																																												
Mating cycles	- PL1 acc. to IEC 60603-2 =>	500 mating cycles																																																											
	- PL2 acc. to IEC 60603-2 =>	400 mating cycles																																																											
UL file	E102079																																																												
RoHS - compliant	Yes																																																												
Leadfree	Yes																																																												
Hot plugging	No																																																												
C	Insulator material <table><tr><td>Material</td><td>PC (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>I2, F1</td></tr></table>			Material	PC (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	I2, F1					C																																											
Material	PC (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	I2, F1																																																												
D	Contact material <table><tr><td>Contact material</td><td>Copper alloy</td></tr><tr><td>Plating termination zone</td><td>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	Ni	Plating contact zone	Au over PdNi over Ni					D																																															
Contact material	Copper alloy																																																												
Plating termination zone	Ni																																																												
Plating contact zone	Au over PdNi over Ni																																																												
E	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 Electrical Load [A]  Temperature [°C] <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td></td> <td>E</td>								E																																																				
F				 All rights reserved Department EC PD - DE HARTING Electronics GmbH D-32339 Espelkamp  All Dimensions in mm Original Size DIN A3 Scale 1:1 Free size tol. Created by HAGEMEYERE Inspected by TADJE Standardisation HOFFMANN Date 2014-09-12 State Final Release Title DIN power female connector Type DS Number 09062100801 Rev. A Page 1/1 Doc-Key / ECM-Nr. 100581028/UGD/000/A 500000076069								F																																																	
1	2	3	4	5	6	7	8																																																						

Mouser Electronics

Authorized Distributor

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

HARTING:

09260243201