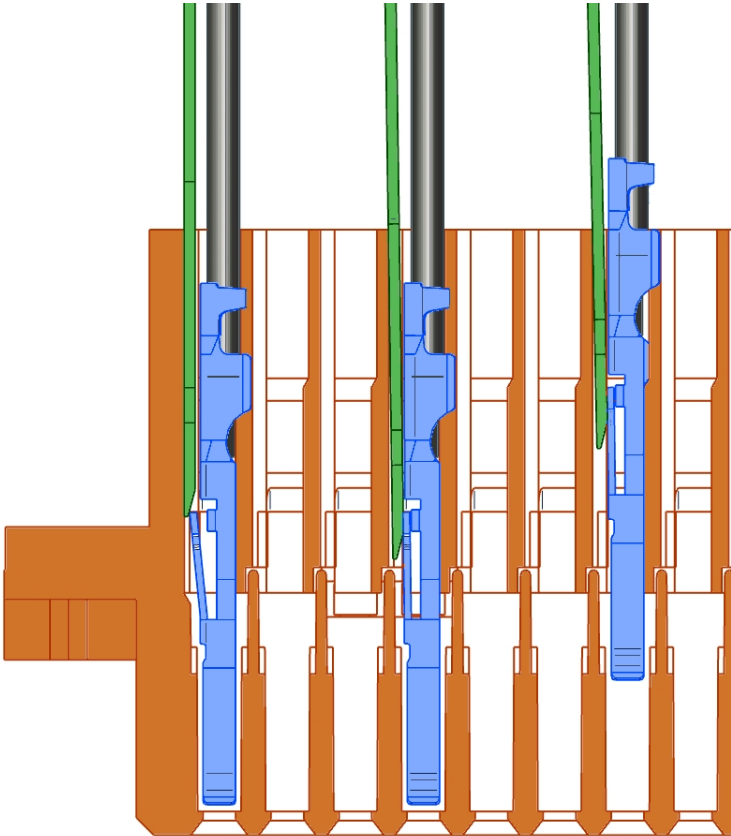


1	2	3	4	5	6	7	8
HARTING DIN power female connector RoHS compliant Installation of crimp contacts Fitting the crimp contacts After crimping the wires onto the contacts with the help of a crimping tool or an automatic crimping machine the contacts should be correctly oriented and inserted into the cavities 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 This action compresses the contact retaining spring therefore the contact can then be easily withdrawn using a light pull on the wire.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).							
General information Design IEC 60603-2 types: D, E female No. of contacts max. 48 Contact spacing 5,08 mm Test voltage 1550V Contact resistance max. 20mOhm Insulation resistance min. 10¹²Ohm Working current max. 6 A at 20°C (see derating diagram) Temperature range -55°C ... +125°C Termination technology crimp Clearance min. 3,0 mm Creepage min. 3,0 mm Insertion and withdrawal force 32pol. max. 50N 48pol. max. 75N Mating cycles - PL1 acc. to IEC 60 603-2 => 500 mating cycles - PL2 acc. to IEC 60 603-2 => 400 mating cycles - PL3 acc. to IEC 60 603-2 => 50 mating cycles UL file E102079 RoHS - compliant Yes Leadfree Yes Hot plugging No							
Insulator material 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							
Contact material Contact material Copper alloy Plating termination zone 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							



	All Dimensions in mm Original Size DIN A3	Scale 1:1	Free size tol.	Ref. Sub. DS 09 04 210 08 01 / EC01557 / 28.04.11	
	All rights reserved Department EC PD - DE	Created by HAGEMEYERE	Inspected by TADJE	Standardisation HOFFMANN	Date 2014-08-11 State Final Release
HARTING Electronics GmbH D-32339 Espelkamp		Title DIN power female connector Type DS		Number 09042100801	
				Doc-Key / ECM-Nr. 100580524/UGD/000/A 500000076067 Rev. A Page 1/1	

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