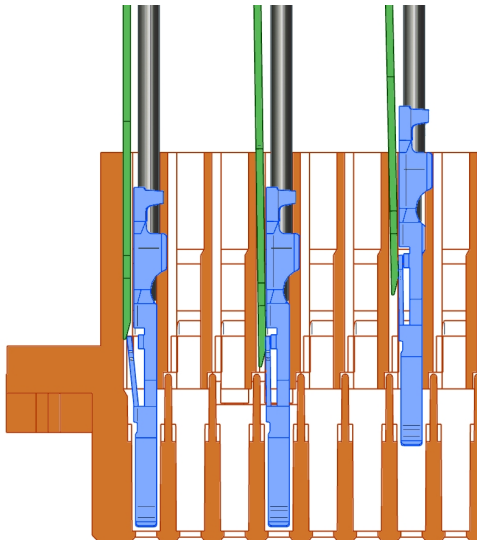
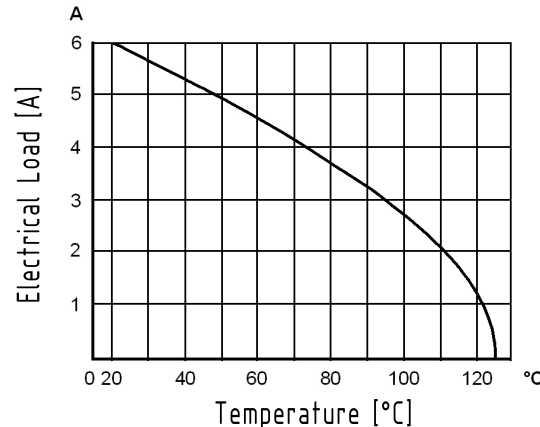


1	2	3	4	5	6	7	8																																																
A	HARTING DIN power female connector RoHS compliant			Installation of crimp contacts Fitting the crimp contacts After crimping the wires onto the contacts with the help of a crimping tool or an automatic crimping machine the contacts should 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 This action compresses the contact retaining spring therefore the contact can then be easily withdrawn using a light pull on the wire.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). 				A																																															
B	General information <table><tr><td>Design</td><td>IEC 60603-2</td><td>types: F</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>3,81mm between rows</td></tr><tr><td>Test voltage</td><td>1550V contact/contact</td><td>2500V contact/ground</td></tr><tr><td>Contact resistance</td><td>max. 15 mOhm</td><td></td></tr><tr><td>Insulation resistance</td><td>min. 10¹⁰Ohm</td><td></td></tr><tr><td>Working current</td><td>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 45-pole max. 70N</td><td>32-pole max. 50N 48-pole max. 75N</td></tr><tr><td>Mating cycles</td><td>- PL1 acc. to IEC 60603-2 => - PL2 acc. to IEC 60603-2 =></td><td>500 mating cycles 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: F	No. of contacts	max. 48		Contact spacing	5,08 mm	3,81mm between rows	Test voltage	1550V contact/contact	2500V contact/ground	Contact resistance	max. 15 mOhm		Insulation resistance	min. 10 ¹⁰ Ohm		Working current	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 45-pole max. 70N	32-pole max. 50N 48-pole max. 75N	Mating cycles	- PL1 acc. to IEC 60603-2 => - PL2 acc. to IEC 60603-2 =>	500 mating cycles 400 mating cycles	UL file	E102079		RoHS - compliant	Yes		Leadfree	Yes		Hot plugging	No		B
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F	HARTING 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. Ref. Sub. Created by STORCK Inspected by LEHNERT Standardisation HOFFMANN Date 2016-07-25 State Final Release Title DIN power female connector Type DS Number 09062100802 Doc-Key / ECM-Nr. 100681407/UGD/000/A 500000106785 Rev. A Page 1/1			F																																																			
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