	2 3		4	5	6	<u>†</u>	8
ARTING DIN DO	wer female conne	ctor NFF	RoHS CAL	Soldering instructions		:	
אן אווט אני	wer female conne	LIUI - INII	compliant C 713	The connectors should be pr	otected when being soldered in a d	ip, flow or film soldering bath. Otherwis	e, they might become contaminated as a
	· · · · · · · · · · · · · · · · · · ·		:		s or deformed as a result of over	-	nd 4331 (www.tesa.de). Cover the unders
General information				of the connector moulding an	nd the adjacent parts of the pcb as maging the connector. About 140 +	s well as the open sides of the connect	or. This will prevent heat and gases of
Design	IEC 60603-2	types: F female		1		•	
No. of contacts	max. 48			——————————————————————————————————————	recommended. Its protective cover v rind apparatus. As an additional pr	with a tast action mechanical locking de otection a foil can be used for covering	vice shields the connectors from gas an the parts that should not be soldered
Contact spacing	5,08 mm	3,81mm between rows					
Test voltage	1550V contact/contact	2500V contact/ground		Cross section of solder pins		Cross section of	wirewrap posts
Contact resistance	max. 15m0hm for wirewrap and solder			_ !		. 1	
Insulation resistance	min. 10"0hm		·			-	1
Working current	6A at 20°C (see derating diagram)			0,8_0,03] - [
Temperature range	-55°C +125°C		<u> </u>			V//	<u>4 L</u>
Termination technology	solder pins, solder lugs, wirewrap		,				
Clearance	min. 1,6 mm min. 3,0 mm			0,52			
Creepage	min. 3,0 mm 24pole max. 37N 32pole max. 501			-			
nsertion and withdrawal force	45pole max. 70N 48pole max. 75I						
	- PL1 acc. to IEC 60603-2 =>	500 mating cycles		_			
Mating cycles	- PL2 acc. to IEC 60603-2 =>	400 mating cycles					
rialing ejeces	- PL3 acc. to IEC 60603-2 =>	50 mating cycles					
RoHS - compliant	Yes	1	· · · · · · · · · · · · · · · · · · ·	_			
_eadfree	Yes						
Hot plugging	No						
Insulator material		-	-	_			
	· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·	:				
Material	PA (thermoplastics, glass fiber reinforcemen	† 25%)		_			
Colour	RAL 7035 (light grey)			_			
UL classification	UL 94-V0			_			
Material group acc. to IEC 60664-1	II (400 <u><</u> CTI < 600)			_			
NFF classification	12, F1			_			
Contact material							
Contact material	Copper alloy			_			
Plating termination zone	Sn over Ni for solder, Ni for wirewrap			_			
Plating contact zone	Au over Ni						
Derating diagram acc. to IEC 60512-5 (Curre	nt carrying capacity)			_			
	-	÷	.	<u> </u>			
The current carrying capacity is limited by r	naximum temperature of materials for inserts and con ve is valid for continuous, non interrupted current lo	tacts A					
contacts of connectors when simultaneous p	ower on all contacts is given, without exceeding the	aueu 6					
maximum temperature.	-	5					
Control and test procedures according to DI	N IEC 60512-5		$ \mathcal{M} $				
		₹ 4					
		Peo 3		All Dimension	s in mm Scale Free size to	l.	Ref.
		.5. 2 B		Original Size			Sub. DS 09062120003 / 500000076069 / 2014-09-1
		Electrical 2		All rights res		pected by Standardisation	Date State
		" 1 		HAPTING	———■STORCK ILFH	HNERT HOFFMANN	2016–07–25 Final Release
				Department EC PD	- DE Title DIN f	nala cappactas MFF	Doc-Key /
		0 20 40	60 80 100 120	*C HARTING Electronics GmbH	DIN DOMEL LEL	nale connector - NFF	100581054/U 50000010678
			Temperature [°C]			09062120003	Rev. B
				D-32339 Espelkamp	I D2	0 7 0 0 Z 1 Z 0 0 0 J	D
	<u> </u>						

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