1	2	3	4		5		6	
A	DIN power	r female conn	ector RoHS	" c 713 us "	Soldering instructions			
					The connectors should I result of soldering oper			
General information					(1) For prototypes and softhe connector moulding			
Design	IEC 60603-2	types	: F, F9, FM female		soldering apparatus fro			
No. of contacts	max. 48	i ypes.			(2) For large series a ji	in is recommende	ad Its protoctive (rover with a fac
Contact spacing	5,08 mm	3.81mr	n between rows		heat generated by the			
Test voltage	1550V contact/contact		contact/ground		Cross section of solder			
Contact resistance	max. 15 mOhm for wire				CLOSS SECTION OF SOLUEI	hills		
Insulation resistance	min. 1012Ohm				~			
Working current	6A at 20°C (see derat	ing diagram)						
Temperature range	-55°C +125°C				0,8_0,03	- 1		
Termination technology	solder pins, soldering	eye, wirewrap, crimp				03		
Clearance	min. 1,6 mm					0,52 ₋₀		
Сгеераде	min. 3,0 mm							
Insertion and withdrawal force	24-pole max. 37N	32-pole max. 50N			Installation of crimp cor	ntacts		
	45-pole max. 70N	48-pole max. 75N						
	- PL1 acc. to IEC 6060		ating cycles		<u>Fitting the crimp contac</u> After crimping the wire:	<u>s onto the cont</u>	acts with the help	of a crimping to
Mating cycles	- PL2 acc. to IEC 6060		ating cycles		automatic crimping mach	nine the contacts	s should be correct	tly oriented and
	- PL3 acc. to IEC 6060	3-2 => 50 m	ating cycles		into the cavities of the snap into position and a			
UL file	E102079				the correct tensile stre	ength of the cor	ntact. When using s	stranded wires v
RoHS - compliant	Yes				gauge below 0.37 mm² a	an insertion tool	is necessary.	
Leadfree	Yes				Removing the crimp cont	tarts		
Hot plugging	No				The removal tool is inse	erted into a slo		
Insulator material	<u>.</u>	<u> </u>			This action compresses then be easily withdraw	the contact ret on using a light	aining spring there	fore the contac this action will c
					damage to the contact/	wire which can l	be repositioned/ref	fitted as necessa
Material	PRT (thermonlastics of	glass fiber reinforcement 30%) / PC	(thermoplastics, glass fiber reinforcement 20)		drawing demonstrates t	he crimp remova	al procedure (max.	5x).
Colour	RAL 7032 (grey)							
UL classification	UL 94-V0	·······	· · · · · · · · · · · · · · · · · · ·					
D Material group acc. to IEC 60664-1	Illa (175 <u><</u> CTI < 400)	· · · · · · · · · · · · · · · · · · ·						
NFF classification	I3, F4	/ 2	F2 only for FM					
	13, 14	/ 12,1						
Contact material								
Contact material	Copper alloy							
Plating termination zone		Ni for wirewrap and crimp						
Plating contact zone	Au over PdNi over Ni							
Derating diagram acc. to IEC 60512-5 (Curr	rent carrying capacity)							
	, maximum temperature of materia	le fer incerte and contacte						
The current carrying capacity is limited by including terminals.				I				
The current capacity curve is valid for co								
when simultaneous power on all contacts	is given, without exceeding the ma	· · · · · ·						
Control and test procedures according to	DIN IEC 60512-5	7		┼┼┤ ┣			Scolo Eroc (
				<u> </u>]		ensions in mm Size DIN A3	Scale Free s 1:1	size tol.
				J T - F			Created by	Inspected by
				╲┼┤ Ì			STORCK	ZWAHR
					Department EC		Title D	
				\ F		_	DIN Dower	r female con
			0 20 40 60 80 100	120 °C H	ARTING Electronics GmbH	H	'	
			Temperature [°C]	D	1-32339 Espelkamp		Type DS	Number 09062
1	2	3	4		5		6	
· · · ·	-		1			1		



<u>A</u>3