1		2	3		4		5		6	
HARTING	DIN sia	nal female con	nector anal	ed	RoHS		Assembly and solderin	-		
General information							The connectors shoul of soldering operation (1) For prototypes an Cover the underside of gases of the solderin	ns or deformed as a r	esult of overheating.	
Design No. of contacts		IEC 60603-2 max. 96		types: Q, 2Q, 3Q, R, 2R, 3R,	R(HE11), female		(2) For large series a generated by the sole	jig is recommended. If Jering apparatus. As a	s protective cover w n additional protecti	ith a tast action m on a foil can be us
Contact spacing		2,54 mm								
Test voltage		1000V					Course and the of and			
Contact resistance		max. 20mOhm					Cross section of sold	er terminations		
Insulation resistance		min. 10 ¹² Ohm					51			
Working current Temperature range		2A at 20°C (see derating dia -55°C +125°C	igram)					0,75_0,05		
Termination technology		solder pins			<u>.</u>					
Clearance & creepage distan	ce	min. 1,2mm each						T I		
		20pole max. 20N	48pole max. 45N				∔	\backslash	•	
Insertion and withdrawal for	ce	30pole max. 30N 32pole max. 30N	64pole max. 60N 96pole max. 90N					0,203 -),233mm²	
		32pole max. 30N PL 1 acc. to IEC 60603-2	Johnie IIIax. JON	500 mating cycles						
Mating cycles		PL 2 acc. to IEC 60603-2		400 mating cycles						
·		PL 3 acc. to IEC 60603-2		50 mating cycles						
UL file		E102079								
RoHS – compliant Leadfree		Yes Yes								
Hot plugging		No								
Insulator material			<u>.</u>							
							1			
Material		PBT (thermoplastics, glass f	iber reinforcement 30%)							
 UL classification		RAL 7032 (grey) UL 94-V0								
UL classification Material group acc. IEC 60664	4_1	UL 94-V0 IIIa (175 <u><</u> CTI < 400)								
NFF classification		I3, F4			-					
			· · ·							
Contact material										
							·			
Contact material		Copper alloy		1						
Plating termination zone		Sn over 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 tomposate	110		A						
of materials for inserts and c	ontacts including terminals.	u. u								
The current capacity curve is	valid for continuous, non									
interrupted current loaded con simultaneous power on all cont	ntacts of connectors when	n								
the maximum temperature.	isers is given, without exceedin	צי	4]	1.5		+				
Control and test procedures a	ccording to DIN IEC 60512-5		/] pe		N					
F	,		Loa	1		<u> </u>				
			ical		N					
			Electrical Load [A]					l Dimensions in mm	Scale Fre	e size tol.
				0.5		\mathbf{X}		iginal Size DIN A3	1:1	- 3120 101.
								-	Created by	Inspected
								ghts reserved	STORCK	LEHNERT
				0 20 40 60	80 100	120 °C	Departmer	^{it} EC PD - DE	Title	
					nperature [°C]		<u> </u>		- DIN siar	nal female c
				le	ווייר פו טו פן גן		HARTING Electronics	GmbH		
							D-32339 Espelkamp		Type DS	Number 097
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ring baths. Otherwise, they might be	come contaminated a	IS A FESULT	A
e tape, e.g. Tesaband 4331 (www.tes s well as the open sides of the conr f the tape should suffice.	a.de). Iector. This will prev	ent heat and	
chanical locking device shields the co d for covering the parts that should	onnectors from gas a	and heat	
a to, concrining the parts that should	NOT DE SOLUEI EU.		
			В
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		•	
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y Standardisation	Sub. Date	State	$\left \right $
HOFFMANN	2017-04-12	Final Release	
nnector angled		Doc-Key / ECM-Nr. 100580788/UGD/000/C 500000118099	F
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