	<u>^</u>	2	,			
	2	3		+	5 6 7 8	
		<b>.</b>				
HARTING DIN SI	gnal har-bus	64 male r	ronnertor	RoHS	Soldering instructions	
					The connectors should be protected when being soldered in a dip, flow or film soldering bath. Otherwise, they might bec	
		-	:	:	contaminated as a result of soldering operations or deformed as a result of overheating.	zome
General information					—	
		:	:	:	(1) For prototypes and short runs protect the connectors with an industrial adhesive tape, e.g. Tesaband 4331 (www.tesa Cover the underside of the connector moulding and the adjacent parts of the pcb as well as the open sides of the connector	
Design	IEC 61076-4-113		type: har-bus64 male		will prevent heat and gases of the soldering apparatus from damaging the connector. About 140 + 5 mm of the tape sho	nould
No. of contacts	max. 160				suffice.	
Contact spacing 2,54mm					(2) For large series a jig is recommended. Its protective cover with a fast action mechanical locking device shields the co	
Test voltage 1000V					from gas and heat generated by the soldering apparatus. As an additional protection a foil can be used for covering th	
Contact resistance max. 20m0hm for rows a, b, c max. 30m0hm for rows d, z					that should not be soldered.	
B Insulation resistance min. 10"Ohm						<sup>E</sup>
Working current 1A at 70°C (see derating diagram)					Cross section of solder pins	
Temperature range _55°C +125°C						
Termination technology	solder		I	1	Recommended plated hole diameter: Ø 1± 0,1mm	
	Γ	minimum distance	rows a, b, c	rows d, z	 Row z: A= 0,21mm <sup>2</sup> – 0,25mm <sup>2</sup> Row a, b, c: A= 0,28mm <sup>2</sup> – 0,33mm <sup>2</sup> Row d: A= 0,29mm <sup>2</sup> – 0,33mm <sup>2</sup>	
Clearance & creepage	between 2 rows	clearance	1,2mm 1,2mm	1,2mm 1,2mm		
	between 2	creepage clearance	1,2mm	1,211111 1,0mm	0,49+0,06 0,6+0,05	
	contacts in a row		1,2mm	1,0mm		
Insertion and withdrawal force	max. 160N		1 1,2000	1 ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
C PCB thickness min. 1,6mm						(
Malfagandar	PL 1 acc. to IEC 61076-4-113 500 mating cycles				0,025	
Mating cycles	PL 2 acc. to IEC 61076-4-113 250 mating cycles				<u>0,52</u>	
UL file E102079						
RoHS – compliant	Yes					
Leadfree	Yes					+
Insulator material					<u> </u>	
<u> </u>						
Material D Colour	LCP (Liquid Cristal Polym	ner)			—	,
U classification	nature UL 94-V0				—	
UL classification UL 94-V0 Material group acc. to IEC 60664-1 IIIa (175 <u>&lt;</u> CTI < 400)					—	
					—	
Contact material		:	·	·	—	
		:	÷	;	—	F
Contact material	Copper alloy				—	
Plating termination zone	Plating termination zone Sn over Ni					
Plating contact zone	Au over Ni for rows d, z	2	Au over PdNi over Ni for	r rows a, b, c		
E Derating diagram acc. to IEC 60512-5 (Current carrying capacity)						
The current carrying capacity is lim	nited by maximum temperature	2,0				
of materials for inserts and contacts including terminals.						
The current capacity curve is valid for continuous, non interrupted current loaded contacts of connectors when						
interrupted current loaded contacts of connectors when						<u>_</u>
				All Dimensions in mm Original Size DIN A3 1:1 Scale Sc	———————————————————————————————————————	
the maximum temperature. Control and test procedures according to DIN IEC 60512-5						<b></b>
					ATT HIGHT'S TESET VED TAD IE TAD IE TWAHD HOFEMANN 2015 05 08 Einal Polaas	se
With selective loading higher currents can be transmitted. The				Department of DD DD	c-Key / ECM-Nr.	
F requirements according to VITA 1.7 are fulfilled.					UIN Signal har-bus 64 male connector	523054/UGD/000/A F 000089111
0 20 40 60 80 100 120 140						v. A Page
				erature [°C]	D-32339 Espelkamp US 02011200204	A 1/1
1	2	3	4	+	5 6 7 8	

A 3