	4	^		1 ,			г		/	I	
		2	3	4		-	5		6		
	HARTING DIN Sign	al male connector			RoHS		Soldering instructions				
А	BIN Signal male connector										
		:		:			The connectors sh contaminated as a				
	General information						(1) For prototypes	and short run	s protoct th	connectors with	
							Cover the undersid	de of the conn	ector mouldin	g and the adjacer	
	Design	IEC 60603-2		types: B, 2B, 3B, C, 2C, 3C	male		will prevent heat suffice.	and gases of t	the soldering	apparatus from o	
	No. of contacts	max. 96					Suffice.				
	Contact spacing Test voltage	2,54mm 1000V					(2) For large serie				
	Contact resistance						from gas and heat that should not be		the solderin	g apparatus. As a	
В											
	Working current		0°C (see derating diagram)				Cross section of s	solder nins			
	Temperature range	-55°C +125°									
	Termination technology	solder pins	,				5				
	Clearance & creepage distance min. 1,2 mm							- 5 - 0,29 - 0,33 mm ²			
		16pol. max. 15N 20pol. max. 20N						0,27 - 0,51			
	Insertion and withdrawal force 30pol. max. 30N 32pol. max. 30N										
	48pol. max. 45N 64pol. max. 60N 96pol. max. 90N							r +0 05			
	Mating cycles acc. to performance level, see table below						Ť U	,5 +0,05			
_	UL file E102079										
C	RoHS – compliant	Yes									
	Leadfree	Yes					Derating diagram acc. to IEC 60512-5 (Current carrying capacity)				
	Hot plugging	No					The survey have a			·	
							The current carry temperature of ma				
	Insulator material						terminals.			5	
	Material PBT (thermoplastics, glass fiber reinforcement 30%)						The current capac				
	Colour RAL 7032 (grey)						interrupted current loaded contacts of connectors when simultaneous power on all contacts is given, without exceeding				
	UL classification UL 94-V0						the maximum temp	erature.	ere ie grien,		
	Material group acc. to IEC 60664-1										
D	NFF classification	I3, F4					Control and test p	procedures acc	oraing to DIN	IEL 60512-5	
	Contact material										
	Contact material	Copper alloy									
	Plating termination zone Sn over Ni										
	Plating contact zone acc. to performance level, see table below										
				·							
		matir	ng cycles								
F	performance level	acc. to IEC 60603-2	complementary	plating contact zone							
			acc. to IEC 60603-2								
	1	500		Au over Pd	Ni over Ni						
	2	400		Au over Pd							
	3			Au over Pd							
	NM30 (S4)	F00	500	min. 0,76µm (30µinch) nob) over Ni		Dimensions in mm	• •	Free size tol.	
	<u>Au1</u>	500		Au ove				nal Size DIN A3	1:1		
	Au2 Au30	400	500	Au ove min. 0,76µm (30µir			All riah	nts reserved	Created by	Inspected t	
	Au50		500						STORCK	ELLERMANN	
	Au70		500	min. 1,27µm (50µinch) Au over Ni min. 1,60µm (70µinch) Au over Ni		Department EC PD - DE			IN Signal male connec		
	Au90				HARTING Electronics GmbH						
	Standard plating options highlighted in <i>italic</i> , other plating options are available on request.						D-32339 Espelkamp		Type DS	Number 090	
	1	2	3	4	•		5		6		
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<u>A</u>3