	1	2	3	4		5		6	
А	HARTING	DIN powe	er male conne	С†ОГ RoHS	' c Nus	Soldering instructions	be protected u	han haing cal	dered in a dia flow o
	General information					The connectors should result of soldering ope (1) For prototypes and of the connector mould	erations or defo short runs pro	ormed as a res tect the conne	sult of overheating. ectors with an industi
						soldering apparatus fr	om damaging the	e connector. A	bout 140 + 5 mm of t
	Design	IEC 60603-2		types: MH 24+7, 21+5 male		(2) For large series a			
	No. of contacts	Signal: 21 or 24 2,54 mm x 5,08 mm		Power: 5 or 7		heat generated by the	soldering appa	ratus. As an a	dditional protection a
	Contact spacing Test voltage	Signal: 1550V		Power: 3100V		Cross section of solde	r pins	T	
1	Contact resistance	Signal: max. 15m0hm		Power: max. 8mOhm					
В	Insulation resistance	min. 10 ¹² 0hm				Signa	ગ		
	Working current	Signal: 6A at 20°C		Power: 15A at 20°C		32	0,29 - 0	2/ mm ²	
	Temperature range	-55°C +125°C				, é -0,025	0,29 - 0	,)4	
	Termination technology solder pins, faston						/		
	Clearance	Signal: min. 1,6 mm		Power: min. 4,5 mm					
-	Сгеераде	Signal: min. 3,0 mm		Power: min. 8,0 mm			0,53±0,03		
	Insertion and withdrawal force	max. 85N				'-+++			
		- PL1 acc. to IEC 60603-2 =>		500 mating cycles					
	Mating cycles	- PL2 acc. to IEC 60603-2 =>		400 mating cycles					
_ ر		- PL3 acc. to IEC 60603-2 =>		50 mating cycles					
	UL file RoHS – compliant	E102079 Yes							
		Yes							
	Hot plugging	No							
_	Insulator material	: :	:						
	Material	PBT (thermoplastics, glass fiber	reinforcement 30%)						
	Colour	RAL 7032 (grey)							
	UL classification	UL 94-V0							
D	Material group acc. to IEC 60664	1 IIIa (175 <u><</u> CTI < 400)							
	NFF classification	13, F4							
	Contact material								
	Contact material	Copper alloy							
	Plating termination zone	Signal: Sn over Ni		Power: Sn over Ag over Ni					
	Plating contact zone	Signal (solder): female Au over		Power : Ag over Ni					
		Signal (wire wrap, solder lug): A	u over Ni						
Ε	Derating diagram acc. to IEC 60512-5 (Current carrying capacity)								
	The current carrying capacity is limited by maximum temperature of materials for inserts and contacts including terminals. The current capacity curve is valid for continuous, non interrupted current loaded contacts of connectors when simultaneous power on all contacts is given, without exceeding the maximum temperature.								
1	Control and test procedures	⁶ L							
_	according to DIN IEC 60512-5			12			nensions in mm	Scale	Free size tol.
		[V] Load [A]					l Size DIN A3	1:1	
1		Electrical				All rights	s reserved	Created by	Inspected by
								STORCK	LEHNERT
_		۱ 		3	\forall	Department E	L PV – UŁ	Title DIN n	ower male conne
F							ιH	·	
1	Temperature [°C]							Type DS	Number 0906
1	1	n		1	+	D-32339 Espelkamp			
L	I	2	3	4		5		6	

	7			8			
	-			-			
or film so	ldering bath. Otherwis	e, they	/ might become	contamir	nated as a		A
is the open	sive tape, e.g. Tesaba sides of the connect should suffice.						
	mechanical locking dev be used for covering						
	0,8±0.02	Power	89 - 0,97 mn ²				В
		2	<u>16 ±0,02</u>				
							C
						_	
							D
							E
		Ref.			1 2041 00 10		
Ьу	Standardisation HOFFMANN	Sub. D Date 2016-0	03-02	State Final Re			
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