1	2	3	4		5		6	7			8
									<u>'</u>		
ARTING	DIN power fem	ale connector	RoHS compliant	c <b>FU</b> us	Low currents and vo	ltages					
	F			<b></b>	Type H standard con	tacts have a silver p	plated surface. This pro	ecious metal has excellent cor o its affinity to sulphur. This	nductive propertie	es. In the course	of a contact's
	:	<del>:</del>	÷ .		interrupted when the	contacts are mated	and unmated, thus gua	aranteeing very low contact r	esistances. In the	case of very lov	v currents or
ieneral information		:	-				d signal may be encoun ransmitted signal could	itered.   lead to faulty functions and	also in extremel	y aggressive envi	ronments, HARTING
	155 (0402.0				recommend the use o			,		, 33	·
Design	IEC 60603-2	types: H3 female			Below is a table der	ived from actual exp	eriences.				
No. of contacts Contact spacing	5,08 mm										
Test voltage	2500V				<b>^</b>						
Contact resistance	max. 8mOhm										
Insulation resistance	min. 10¹²Ohm										
Working current	15A at 20°C (see derating diagram)					Silver					
Temperature range	-55°C +125°C		•		5 V						
Termination technology	solder pins					Gold					
Clearance	min. 4,0 mm					dold					
Creepage	min. 3,7 mm					5	mA	•			
nsertion and withdrawal force	max. 20N						iliA				
Mating cycles  JL file	- PL1 acc. to IEC 60603-2 => E102079	500 mating cycles			Soldering instruction	S					
RoHS - compliant	Yes							p, flow or film soldering bath	s. Otherwise, the	y might become co	ontaminated as a
.eadfree	Yes				result of soldering o	perations or deform	ed as a result of overh	neating.			
lot plugging	No				(1) For prototypes a	nd short runs protec	t the connectors with a	an industrial adhesive tape, e.	g. Tesaband 4331	l (www.tesa.de). Co	over the undersid
					or the connector mos soldering apparatus	utaing and the adjace from damaging the co	nr parrs of the pcb as onnector. About 140 + 9	well as the open sides of th 5 mm of the tape should suffi	e connector. This ice.	will prevent hea	r and gases of th
nsulator material								·		oldo the sec	no fnom and and
					heat generated by t	a jiy is recommended. he soldering apparati	ııs protective cover w ıs. As an additional pro	rith a fast action mechanical l otection a foil can be used fo	ockning device shi r covering the pa	ecus riie connecto arts that should r	rs from gas and not be soldered.
Material	PBT (thermoplastics, glass fiber rei	nforcement 30%)					•				
Colour	RAL 7032 (grey)		,		Cross section of sol	der pins					-
UL classification	UL 94-V0					1,12 ±0,02					
Material group acc. to IEC 60664–1  NFF classification	IIIa (175 <u>&lt;</u> CTI < 400)				<del>  -   -</del>	1, 14 10,04					
NII ((d))	13, F4	,			1 1						
Contact material						Λ Q C mm <sup>2</sup> Λ Λ Γ	. m.m. <sup>2</sup>				
	:	÷	÷			0,85mm² - 0,95	DIJIIII				
Contact material	Copper alloy				8 ±0,						
Plating termination zone	Sn over Ni				0,						
Plating contact zone	Ag										
	<del></del>										
Derating diagram acc. to IEC 60512-5 (Curr	ent carrying capacity)		:								
The current carrying capacity is limited by emperature of materials for inserts and erminals. The current capacity curve is valid for conterrupted current loaded contacts of conterrupted current loaded contacts is give the maximum temperature.  Sontrol and test procedures according to be	contacts including ntinuous, non nnectors when en, without exceeding	A 15			AII	Dimensions in mm	Scale Free size tol		Ref.		
The second secon		0 20 40 60 Temp	) 80 100 120 erature [°C]	·c	Original All right	inal Size DIN A3  Ints reserved H/ EC PD - DE Ti	1:1 Install In	pected by Standardisa DJE HOFFMANN	Sub. D	I .	557 / 28.04.2011 ate nal Release Doc-Key / E 100580774/UGI 50000076069 Rev.
					2 2522 Caberramb		50				"
4	2	3	,		5	1	6	-			8

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