1	2	3	4		5 T		6		7		8
				RoHS C TUS	Soldering instructions				,		7
HARTING	DIN Power mal	The connectors should be protected when being soldered in a dip, flow or film soldering baths. Otherwise, they might become contaminated as a									
		:		:	The connectors should result of soldering op	d be protected when perations or deformed	being soldered in I as a result of o	a dip, flow or film s verheating.	soldering baths. Otherw	ise, they might beco	me contaminated as a
General information					(1) For prototypes and	d short runs protect	the connectors w	ith an industrial adh	nesive tape, e.g. Tesaba	and 4331 (www.tesa.	le). Cover the underside t heat and gases of the
					soldering apparatus fr	rom damaging the con	r parts of the pco inector. About 140	o as well as the ope I + 5 mm of the tap	en sides of the connect e should suffice.	for. Inis will preven	r near and gases or rne
Design	IEC 60603-2	types: G male			(2) For large series a	ija je rocommondod l	Its protective cov	or with a fact actio	n machanical lacking do	vice shields the con	portore from are and
No. of contacts	max. 64				heat generated by the	e soldering apparatus	s. As an additional	protection a foil ca	an be used for covering	g the parts that sh	ould not be soldered.
Contact spacing	5,08 mm x 3,81 mm	,			-						
Test voltage	1550V				-						
Contact resistance	max. 15m0hm				-						
Insulation resistance	min. 10 ¹² 0hm				-						
Working current	5.6A at 20°C (see derating diagram) -55°C +125°C				-						
Temperature range					-						
Termination technology Clearance	solder pins min. 1,6 mm				-						
Creepage	min. 3,0 mm				-						
Insertion and withdrawal force	64-pole < 100N				-						
	- PL1 acc. to IEC 60603-2 =>	500 mating cycl	les		-						
Mating cycles	- PL2 acc. to IEC 60603-2 =>	400 mating cyc									
.9 -7	- PL3 acc. to IEC 60603-2 =>	50 mating cycl									
UL file	E130314	22			-						
RoHS - compliant	Yes				1						
Leadfree	Yes	•			1						
Hot plugging	No				1						
Insulator material	:	÷		÷	1						
	:				1						
Material	PC (thermoplastics, glass fiber reinfor	rcement 20%)			1						
Colour	grey				1						
UL classification	UL 94-V2				1						
Material group acc. to IEC 60664-1	IIIa (175 <u><</u> CTI < 400)				1						
	:	<u>.</u>]						
Contact material				 	-						
Contact material	Copper alloy				-						
Plating termination zone	Sn			· · · · · · · · · · · · · · · · · · ·							
Plating contact zone	Au over NiP over Ni				.						
Derating diagram acc. to IEC 60512-5 (Curre	nt carrying capacity)	 			-						
		6			1						
The current carrying capacity is limited by I	naximum										
temperature of materials for inserts and co	intacts including	5									
terminals. The current capacity curve is valid for cont	inuous, non	₹ 4									
interrupted current loaded contacts of conr	ectors when	pe o J									
simultaneous power on all contacts is given the maximum temperature.	, williour exceeding	<u>_</u> 3	+		All Di	Oimensions in mm	Scale Free siz	e tol.		Ref.	
·	N IEC 60512 5	rica					1:1			Sub.	
Control and test procedures according to D	N ILC 00312-3	Electrical			All right	ts reserved Cre	eated by ORCK	Inspected by LEHNERT	Standardisation	Date	State
		₩ 1		\rightarrow	HARTING -		ORCK	LEHNERT	HOFFMANN	2018-12-13	Final Release
					Department E	EL PD Tit	וון חבייים.	mala		•	Doc-Key / ECM-
		0 20	40 60 80 100	120 140	HARTING Electronics Gm	nhH	אווע רסאפן	male connector	· 		100813645/UGD/00 500000144199
			Temperature [°C]		Тур	pe DS Nur	^{nber} 09061200)20/ ₂		Rev.
					D-32339 Espelkamp	ı	11.3	ひしひひししとしし	J L U T		A
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