	2	3	4	5	6		7		8
HARTING	OIN power male c	onnector - NE	RoHS Compliant	Soldering instructions					
	nv power mate e	.0111122101 - 111	compliant		be protected when being soldere	≥d in a dip, flow or film sol	ldering baths. Otherwis	e, they might beco	me contaminated as a
General information				of soldering operations	or deformed as a result of ove	_		1.4224.4	
_		-		(1) For prototypes and s Cover the underside of	short runs protect the connecto the connector moulding and the	ors with an industrial adhes adjacent parts of the pcb	as well as the open s	1 4331 (www.fesa.de lides of the connec	e). tor. This will prevent
Design	complementary IEC 60603-2	types: F male		heat and	apparatus from damaging the co	onnector About 140 ± 5 mm	n of the tane should su	uffice	
No. of contacts	max. 48			I					
Contact spacing	5,08 mm 1550V contact/contact			(2) For large series a jir	jig is recommended. Its protective ering apparatus. As an additional	e cover with a fast action representation of	mechanical locking devices	ce shields the conn arts that should n	rectors from gas and h
Test voltage Contact resistance	max. 15m0hm			generated by the solder	Ting apparatus. As an additional	profession a rok can be as	sed for covering the pe	3113 That Should he	or be soldered.
Insulation resistance	min. 10"Ohm			Cross section of solder	' pins				
Working current	max. 6A at 20°C (see derating diagram			——————————————————————————————————————	1				
Temperature range	-55°C +125°C			0,	,29 - 0,34 mm ²				
Termination technology	solder pins	-		/ ا و ا					
Clearance	min. 1,6 mm								
Creepage	min. 3,0 mm								
Insertion and withdrawal force Mating cycles	32-pole max. 50N			0,53:	<u> </u>				
	48-pole max. 75N								
	- PL1 acc. to IEC 60603-2 =>	500 mating cycles							
	- PL2 acc. to IEC 60603-2 =>	400 mating cycles							
RoHS - compliant	Yes								
Leadfree	Yes								
Hot plugging	No			——					
Insulator material									
Material	PA (Polyamid, glass fiber reinforcemen			——					
Colour	RAL 7035 (light grey)	23/0]		—					
UL classification	UL 94-V0								
Material group acc. to IEC 60664-1	(400 <u><</u> CTI < 600)			——					
NFF classification	12, F1			—					
				<u> </u>					
Contact material		-							
Contact material	Copper alloy								
Plating termination zone	Sn over Ni								
Plating contact zone	Au over PdNi over Ni								
Derating diagram acc. to IEC 60512-5 (Curre	nt carrying capacity)								
The current carrying capacity is limited by r		Α							
temperature of materials for inserts and co terminals.	ntacts including	6							
The current capacity curve is valid for cont	nuous, non	_ 5							
interrupted current loaded contacts of conn simultaneous power on all contacts is given,		⊴	\sim						
the maximum temperature.	3	P 4							
Control and test procedures according to DI	N IEC 60512-5					ee size tol.	F	Ref.	
,		·	.	1 3 3 3 3 3 3 3 3 3 3	al Size DIN A3 1:1			Sub. DS 09 06 122 02 02	
		Electrical 5			s reserved Created by LEHNERT	Inspected by DAHMS	1	Date 2017-02-14	State Final Release
		1		Department EC	c nn nr			2017-02-14	Doc-Key / EC
			,		DIN pow	wer male connector -	- NFF		100580702/UGD/ 500000114905
				HARTING Electronics GmbH	,H				500000114905
		0 20 40 60	0 80 100 120 °C	HAIVING FIECTIONICS GIID!	ווע	Number A A A A A A A A	300		Pov .
			o 80 100 120 °C perature [°C]	D-32339 Espelkamp	Type DS	Number 090612202	202		Rev. A

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

HARTING: