		•	1				
	5 5	4	Soldering instructions	<u>.</u>			-
HARTING	DIN Signal male connector	RoHS Compilers	045 10 10 14 15 14				
			SML (Surface Mount Compatit Device) components. In this p	ole) connectors are designed to rocess, called as well "Pin in H	o be used in a reflow oven the Hole Intrusive Reflow", the	together with other connectors are inse	'SMD (Surtace Mount rted into plated thro
Consol information	<u> </u>		holes in a comparable way to	conventional component mount	ting.		•
General information	-		- All other components can be	assembled on the pcb surface			
Design	IEC 60603-2 types: C		The length of the connector	contacts should be such that	they protrude by no more t	than 1.5 millimetres	after insertion to the
No. of contacts	max. 96			lder on its tip as it penetrate ole to reflow back into the pla			
Contact spacing	2,54mm		therefore the quality of the	soldered connection would suf	fer as a result.	y action during the	soldering process,
Test voltage	1000V						
Contact resistance	max. 20m0hm		Cross section of solder pins				
Insulation resistance	min. 10 ¹² Ohm		$A = 0.27 \text{mm}^2 - 0.34 \text{mm}^2$				
Working current	1,5A at 20°C (see derating diagram)		- 101				
Temperature range	-55°C +125°C		- le - 0'05;				
Termination technology Clearance & creepage distance	solder pins min. 1,2mm each		- °				
Insertion and withdrawal force	96-pole max. 90N		- 🗍				
Mating cycles	PL 2 acc. to IEC 60603-2 400 mating cycles		0,52±0,05				
UL file	E102079		- -1 -				
RoHS - compliant	Yes	-	-				
Leadfree	Yes		-				
Hot plugging	No		_				
			_				
Insulator material			-				
M.I I	DDT /II		-				
- Material	PBT (thermoplastics, glass fiber reinforcement 30%)		-				
Colour Material group acc. IEC 60664-1	RAL 7032 (grey) IIIa (175 ≤ CTI < 400)		-				
marchiat group acc. IEC 00004-1	mid (173 2 C11 × 400)		-				
Contact material			-				
			_				
Contact material	Copper alloy		_				
Plating termination zone	Sn over Ni		_				
Plating contact zone	Au over NiP over Ni		-				
			1				
Denating diagram acc to IFC 60512 5	(current carrying canacity)		-				
Derating diagram acc. to IEC 60512-5	(current carrying capacity)		- -				
Derating diagram acc. to IEC 60512-5	(current carrying capacity)		-				
The current carrying capacity is limite	d by maximum temperature		-				
The current carrying capacity is limite	d by maximum temperature		-				
The current carrying capacity is limite of materials for inserts and contacts	d by maximum temperature including terminals.		-				
The current carrying capacity is limite of materials for inserts and contacts The current capacity curve is valid fo interrupted current loaded contacts o	d by maximum temperature including terminals.		-				
The current carrying capacity is limite of materials for inserts and contacts The current capacity curve is valid fo interrupted current loaded contacts o simultaneous power on all contacts is	d by maximum temperature including terminals.		-				
The current carrying capacity is limite of materials for inserts and contacts The current capacity curve is valid fo interrupted current loaded contacts o	d by maximum temperature including terminals.		All Dimensions in			Ref.	
The current carrying capacity is limite of materials for inserts and contacts The current capacity curve is valid fo interrupted current loaded contacts o simultaneous power on all contacts is the maximum temperature.	d by maximum temperature including terminals.		All Dimensions in Original Size DIN				/ 500000074715 / 2014-05-13
The current carrying capacity is limite of materials for inserts and contacts The current capacity curve is valid fo interrupted current loaded contacts o simultaneous power on all contacts is the maximum temperature.	r continuous, non f connectors when given, without exceeding			A3 1:1 ed Created by Inspect		Sub. DS 09031200205 Date	State
The current carrying capacity is limite of materials for inserts and contacts The current capacity curve is valid fo interrupted current loaded contacts o simultaneous power on all contacts is	r continuous, non f connectors when given, without exceeding to DIN IEC 60512-5 2.5 2.0 2.0 1.5 1.0 0.5		Original Size DIN All rights reserve	A3 1:1 ed Created by Inspect TANIF 7WAHR	·	Sub. DS 09031200205	State Final Release
The current carrying capacity is limite of materials for inserts and contacts The current capacity curve is valid fo interrupted current loaded contacts o simultaneous power on all contacts is the maximum temperature.	r continuous, non f connectors when given, without exceeding to DIN IEC 60512-5 2.5 2.0 1.5 1.0	20 40 60 80 100 120 140	Original Size DIN All rights reserve	A3 1:1 ed	HOFFMANN	Sub. DS 09031200205 Date	State Final Release
The current carrying capacity is limite of materials for inserts and contacts The current capacity curve is valid fo interrupted current loaded contacts o simultaneous power on all contacts is the maximum temperature.	r continuous, non f connectors when given, without exceeding to DIN IEC 60512-5 2.5 2.0 1.5 1.0		Original Size DIN All rights reserve	a3 1:1 ed Created by Inspect ZWAHR TADJE ZWAHR Title DIN Signal male (HOFFMANN CONNECTOR	Sub. DS 09031200205 Date	State Final Release Doc-Key / E0 100577275/UGD 500000075960
The current carrying capacity is limite of materials for inserts and contacts The current capacity curve is valid fo interrupted current loaded contacts o simultaneous power on all contacts is the maximum temperature.	r continuous, non f connectors when given, without exceeding to DIN IEC 60512-5 2.5 2.0 1.5 1.0	20 40 60 80 100 120 140 Temperature [°C]	All rights reserved Department EC PD - D	a3 1:1 ed Created by Inspect ZWAHR TADJE ZWAHR Title DIN Signal male (HOFFMANN	Sub. DS 09031200205 Date	State Final Release