Male header with straight solder pins; 4-pole; Pin spacing 3.5 mm / 0.138 in

Item No.: 2091-1404

Marking

RoHS ✓
Compliant

Business data

Supplier	*WAGO*
Item no.	*2091-1404*
GTIN / EAN	*4050821161011*
Content	*1*

Notes

Item description:Assembly of female connectors without loss of poles, allowing different functions to be divided within one male headerCoding pins inserted into the header interface prevent mismating, allowing subsequent coding in panel feedthrough applicationsThe female connector is fully shrouded by the male header's housing, providing vibration resistance up to 20 gSafety information 1: The picoMAX® pluggable connection system is designed without breaking capacity for compliance with DIN EN 61984. When used as intended, MCS Connectors shall not be connected/disconnected when live or under load. The circuit design should ensure header pins, which can be touched, are not live when unmated.
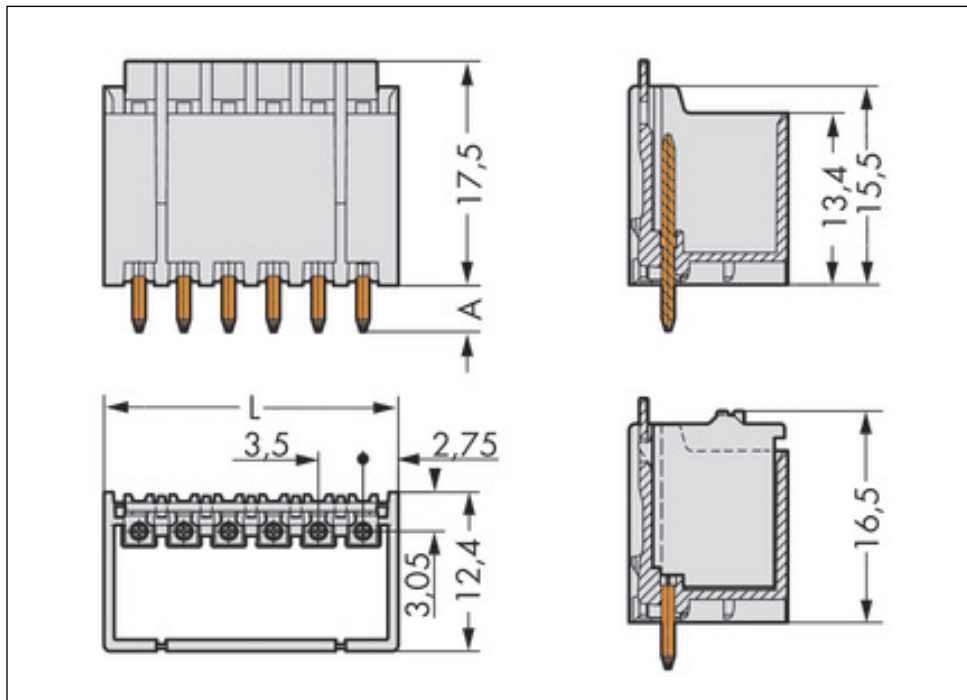
Technical data

Miscellaneous

Technical data

Ratings per	IEC/EN 60664-1
Rated voltage (III / 3) [V]	160 [V]
Rated impulse voltage (III / 3) [kV]	2.5 [kV]
Rated voltage (III/2) [V]	160 [V]
Rated impulse voltage (III / 2) [kV]	2.5 [kV]
Rated voltage (II / 2) [V]	320 [V]
Rated impulse voltage (II / 2) [kV]	2.5 [kV]
Rated current [A]	10 [A]
Legend (ratings)	(III / 2) Overvoltage category III / Pollution degree 2
No. of poles	4
Number of levels	1
Pin spacing	3.5 mm (0.138 in)
Width	16 mm / 0.63 Inch
Height	21.1 mm / 0.831 Inch
Height from the surface	17.5 mm / 0.689 Inch
Depth	12.4 mm / 0.488 Inch
Solder pin length [mm]	3.6 [mm]
Solder pin diameter [mm]	1 [mm]
Drilled hole diameter (tolerance) [mm]	1.2(+ 0.1) [mm]
Contact type (pluggable connector)	Male connector/plug
Connector connection type	for PCBs
Mismating protection	nein
Mating direction to the PCB [°]	90 [°]
Locking of plug-in connection	Male locking latch
PCB contact	THT
Color	light gray
Material group	I
Insulating material	Polyphtalamide (PPA GF)
Flammability class per UL94	V0
Contact material	Electrolytic copper (Ecu)
Contact plating	tin-plated
Fire load [MJ]	0.033 [MJ]
Weight [g]	1.61 [g]

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Technical data	
Limit temperature range	*-60 … 100 °C*
Pin spacing from [in]	*0.138 [in]*
Pin spacing from [mm]	*3.5 [mm]*
Contact type	*Male connector/plug; for PCBs*
Product Family	*picoMAX®*
Main product function	*Male connector/plug*
Product type	*Pluggable PCB connectors*

Images & drawings

Address

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Technische Änderungen und Irrtümer vorbehalten.