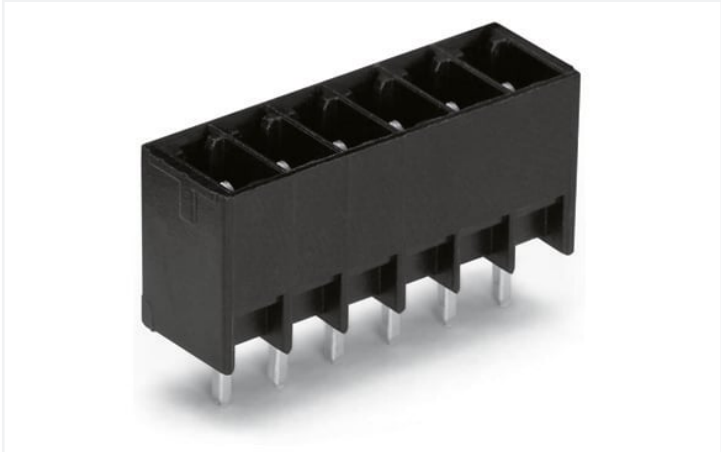
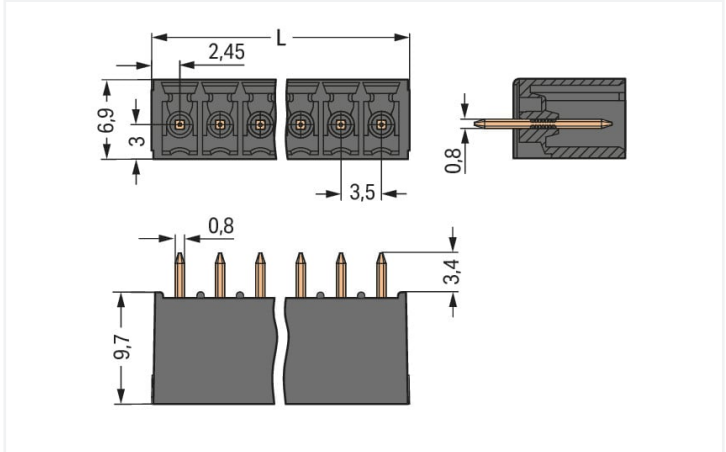


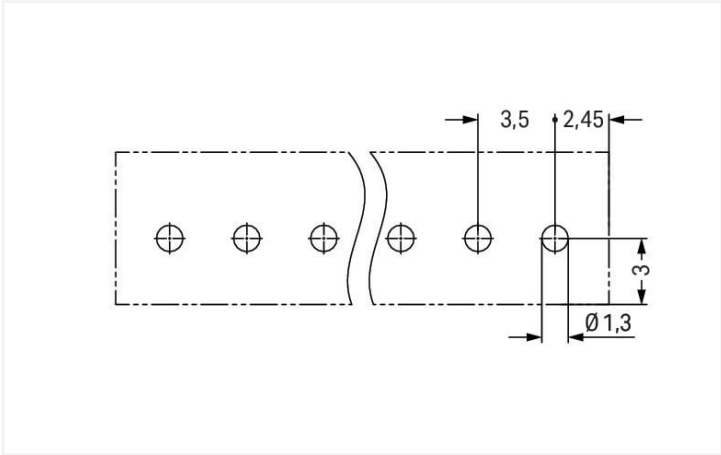


Color: ■ black

Similar to illustration



Dimensions in mm
 $L = (\text{pole no.} - 1) \times \text{pin spacing} + 4.9 \text{ mm}$



- Male headers may be mounted horizontally or vertically via straight or angled solder pins
- Header housing is molded of THR-compatible insulation material for lead-free Reflow soldering
- Separated pin slots prevent damage and make the headers touch-proof when unplugged
- Coding option available

Notes	
Safety information	The MCS – MULTI CONNECTION SYSTEM includes connectors without breaking capacity in accordance with DIN EN 61984. When used as intended, these connectors must not be connected/disconnected when live or under load. When used as intended, these connectors must 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.
Variants:	Other pole numbers Other versions (or variants) can be requested from WAGO Sales or configured at https://configurator.wago.com/ .

Electrical data			
Ratings per	IEC/EN 60664-1		
Overvoltage category	III	III	II
Pollution degree	3	2	2
Nominal voltage	160 V	160 V	320 V
Rated surge voltage	2.5 kV	2.5 kV	2.5 kV
Rated current	8 A	8 A	8 A

Approvals per	UL 1059		
Use group	B	C	D
Rated voltage	150 V	-	-
Rated current	8 A	-	-



Connection data		
Total number of potentials	3	Connection 1
Number of connection types	1	
Number of levels	1	
		Pole number 3

Physical data		
Pin spacing	3.5 mm / 0.138 inches	
Width	11.9 mm / 0.469 inches	
Height	13.1 mm / 0.516 inches	
Height from the surface	9.7 mm / 0.382 inches	
Depth	6.9 mm / 0.272 inches	
Solder pin length	3.4 mm	
Solder pin dimensions	0.8 x 0.8 mm	
Drilled hole diameter with tolerance	1.2 ^(+0.1) mm	

Mechanical data		
Variable coding	Yes	
Anti-rotation protection	Yes	

Plug-in connection		
Contact type (pluggable connector)	Male connector/plug	
Connector (connection type)	for PCB	
Mismating protection	No	
Mating direction to the PCB	90 °	

PCB contact		
PCB contact	THT	
Solder pin arrangement	over the entire male connector (in-line)	
Number of solder pins per potential	1	

Material data		
Note (material data)	Information on material specifications can be found here	
Color	black	
Material group	I	
Insulation material	Polyphthalamide (PPA GF)	
Flammability class per UL94	V0	
Contact material	Electrolytic copper (E _{Cu})	
Contact plating	Tin	
Fire load	0.016 MJ	
Weight	0.7 g	



Environmental requirements	
Limit temperature range	-60 ... +100 °C
Processing temperature	-35 ... +60 °C

Commercial data	
Product Group	3 (Multi Conn. System)
eCl@ss 10.0	27-44-04-02
eCl@ss 9.0	27-44-04-01
ETIM 8.0	EC002637
ETIM 7.0	EC002637
PU (SPU)	200 pcs
Packaging type	Box
Country of origin	DE
GTIN	4045454858834
Customs tariff number	85366930000

Environmental Product Compliance	
RoHS Compliance Status	Compliant, No Exemption

Approvals / Certificates

General approvals



Approval	Standard	Certificate Name
CCA DEKRA Certification B.V.	EN 61984	NTR NL-7604
KEMA/KEUR DEKRA Certification B.V.	EN 61984	2198681.01
UR Underwriters Laboratories Inc.	UL 1059	E45172

Downloads

Environmental Product Compliance	
Compliance Search	
Environmental Product Compliance 714-133	

Documentation			
Additional Information			
Technical Section	03.04.2019	pdf 2027.26 KB	

CAD/CAE-Data			
CAD data		CAE data	
2D/3D Models 714-133		ZUKEN Portal 714-133	

PCB Design	
Symbol and Footprint via SamacSys 714-133	
Symbol and Footprint via Ultra Librarian 714-133	

1 Compatible Products	
1.1 System counterpart	
1.1.1 Female connector/socket	
Item No.: 714-103 1-conductor female connector; push-but- ton; 1.5 mm²; Pin spacing 3.5 mm; 3-pole; 1,50 mm²; black	Item No.: 714-103/000-047 1-conductor female connector; push-but- ton; 1.5 mm²; Pin spacing 3.5 mm; 3-pole; direct marking; 1,50 mm²; black

1.2 Optional Accessories	
1.2.1 Coding	
1.2.1.1 Coding	
Item No.: 714-101 Coding key; orange	

Installation Notes	
Coding	
Coding a male header by inserting a cod- ing pin.	Coded connectors

