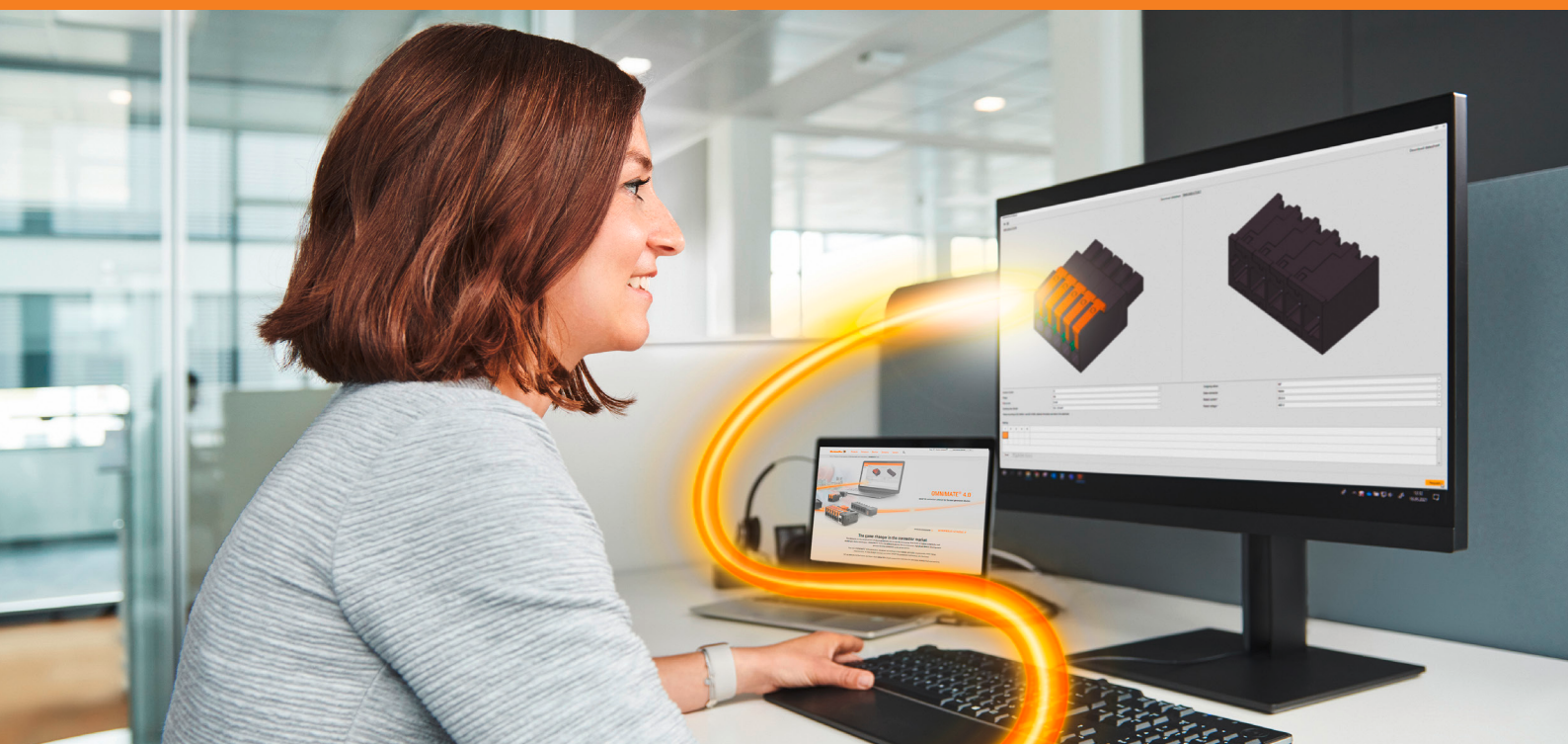


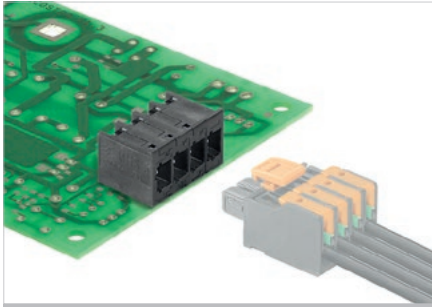
OMNIMATE® 4.0

Signal Series



Weidmüller 

MHS 5 - horizontal



Modular male headers in 5.00 mm pitch with 90° outgoing elbow made of high performance material PA9T, which can be used for both reflow and wave soldering process.

- 90° outgoing elbow for horizontal PCB connection
- Suitable for reflow and wave soldering processes
- Compliance with Moisture Level 1
- Available prepared engineering data (EDA)

Product data

IEC: 400 V / 26.8 A
UL: 300 V / 14 A



For additional articles and information, refer to catalog.weidmueller.com

Note:

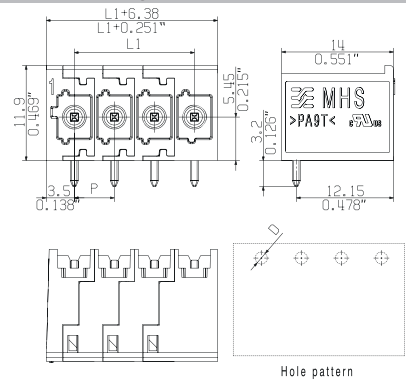
- Rated current related to rated cross-section & min. No. of poles.
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- Diameter of solder eyelet D = 1.4±0.1mm
- Long term storage of the product with average temperature of 50 °C and average humidity 70%, 36 months

MHS 5/.. H T3 B T

Tube packaging



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984

Clamping range, max.			
Solid core H05(07) V-U			
Stranded H07 V-R			
Flexible H05(07) V-K			
Flexible with ferrule			
Ferrule with plastic collar			
Stripping length			
Screwdriver blade			
According to norm			
Tightening torque range			
Rated current, max.	A	26.8	23.1
At ambient temperature		20°C	40°C
For conductor cross-section			
Overvoltage category		III	III
Pollution severity		3	2
Rated voltage	V	250	320
Rated impulse voltage	kV	4	4
UL / CUL (Use Group)		B	C
Rated voltage	V	300	300
Rated current	A	14	10
AWG conductor	AWG	-	-
CSA (Use Group)		B	C
Rated voltage	V		
Rated current	A		
AWG conductor	AWG		
General data			
Type of insulation material		PA 9T	
UL 94 flammability rating		V-0	
Contact base material		CuMg	
Material of contact surface		tinned	
Pin dimensions = d	mm	1.0 x 1.0	
Solder eyelet Ø = D	mm	1.4	
Solder eyelet Ø tolerance	mm	+ 0,1	

Ordering data

Solder pin length		3.2 mm		
Colour		black		
Pitch	5.00 mm			
Pol.	L1	(inch)	Qty.	Order No.
2	5.00	0.197	48	2741400000
3	10.00	0.394	33	2741420000
4	15.00	0.591	25	2741430000
5	20.00	0.787	20	2741440000
6	25.00	0.984	17	2741450000
7	30.00	1.181	15	2741460000
8	35.00	1.378	13	2741470000
9	40.00	1.575	11	2741480000
10	45.00	1.772	10	2741490000
11	50.00	1.969	9	2741500000
12	55.00	2.165	8	2741510000

- 180° outgoing elbow for vertical PCB connection
- Suitable for reflow and wave soldering processes
- Compliance with Moisture Level 1
- Available prepared engineering data (EDA)

Note:

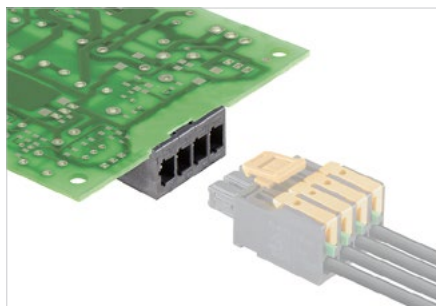
- Rated current related to rated cross-section & min. No. of poles.
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- Diameter of solder eyelet $D = 1.4 \pm 0.1 \text{ mm}$
- Long term storage of the product with average temperature of 50°C and average humidity 70% 36 months



In compliance with IEC 60664-1 / IEC 61984			
Clamping range, max.			
Solid core H05(07) V-U			
Stranded H07 V-R			
Flexible H05(07) V-K			
Flexible with ferrule			
Ferrule with plastic collar			
Stripping length			
Screwdriver blade	mm		
According to norm			
Tightening torque range			
Rated current, max.	A	25.3	21.8
At ambient temperature		20°C	40°C
For conductor cross-section			
Overvoltage category		III	II
Pollution severity		3	2
Rated voltage	V	250	320
Rated impulse voltage		kV	4
UL / CUL (Use Group)		B	C
Rated voltage	V	300	300
Rated current	A	14	10
AWG conductor	AWG		
CSA (Use Group)		B	C
Rated voltage		V	
Rated current		A	
AWG conductor		AWG	
General data			
Type of insulation material		PA 9T	
UL 94 flammability rating		V-0	
Contact base material		CuMg	
Material of contact surface		tinned	
Pin dimensions = d	mm	1.0 x 1.0	
Solder eyelet Ø = D	mm	1.4	
Solder eyelet Ø tolerance	mm	+ 0.1	

Soldier pin length				3.2 mm
Colour			black	
Pitch	5.00 mm			
Pol.	L1	(inch)	Qty.	Order No.
2	5.00	0.197	48	8000072425
3	10.00	0.394	33	8000072430
4	15.00	0.591	25	8000072431
5	20.00	0.787	20	8000072435
6	25.00	0.984	17	8000072438
7	30.00	1.181	15	8000072450
8	35.00	1.378	13	8000072453
9	40.00	1.575	11	8000072454
10	45.00	1.772	10	8000072456
11	50.00	1.969	9	8000072461
12	55.00	2.165	8	8000072470

MHS 5 - horizontal inverted



Modular male headers in 5.00 mm pitch with 270° outgoing elbow made of high performance material PA9T, which can be used for both reflow and wave soldering process.

- 270° outgoing elbow for horizontal inverted PCB connection
- Suitable for reflow and wave soldering processes
- Compliance with Moisture Level 1
- Available prepared engineering data (EDA)

Product data

IEC: 400 V / 26.8 A

UL: 300 V / 14 A



For additional articles and information, refer to catalog.weidmueller.com

Note:

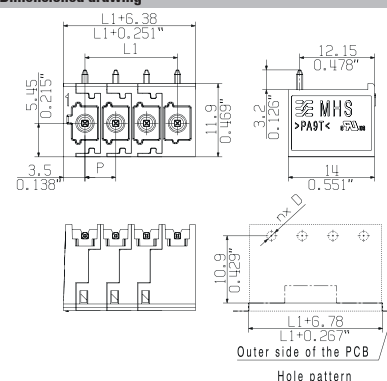
- Rated current related to rated cross-section & min. No. of poles.
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- Diameter of solder eyelet $D = 1.4 \pm 0.1$ mm
- Long term storage of the product with average temperature of 50 °C and average humidity 70%, 36 months

MHS 5/.. W T3 B T

Tube packaging



Dimensioned drawing



Technical data

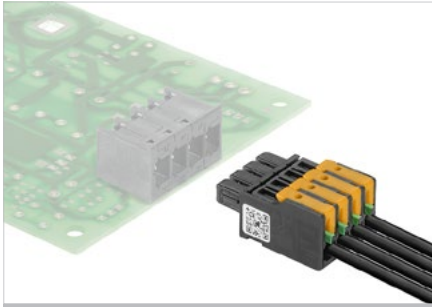
In compliance with IEC 60664-1 / IEC 61984

Clamping range, max.			
Solid core H05(07) V-U			
Stranded H07 V-R			
Flexible H05(07) V-K			
Flexible with ferrule			
Ferrule with plastic collar			
Stripping length			
Screwdriver blade	mm		
According to norm			
Tightening torque range			
Rated current, max.	A	26.8	23.1
At ambient temperature		20 °C	40 °C
For conductor cross-section			
Overvoltage category		III	III
Pollution severity		3	2
Rated voltage	V	250	320
Rated impulse voltage	kV	4	4
UL / CUL (Use Group)		B	C
Rated voltage	V	300	300
Rated current	A	14	10
AWG conductor	AWG	-	-
CSA (Use Group)		B	C
Rated voltage	V		
Rated current	A		
AWG conductor	AWG		
General data			
Type of insulation material		PA 9T	
UL 94 flammability rating		V-0	
Contact base material		CuMg	
Material of contact surface		tinned	
Pin dimensions = d	mm	1.0 x 1.0	
Solder eyelet Ø = D	mm	1.4	
Solder eyelet Ø tolerance	mm	+ 0,1	

Ordering data

Solder pin length		3.2 mm		
Colour		black		
Pitch		5.00 mm		
Pol.	L1	(inch)	Qty.	Order No.
2	5.00	0.197	48	8000072497
3	10.00	0.394	33	8000072503
4	15.00	0.591	25	8000072506
5	20.00	0.787	20	8000072508
6	25.00	0.984	17	8000072509
7	30.00	1.181	15	8000072510
8	35.00	1.378	13	8000072511
9	40.00	1.575	11	8000072512
10	45.00	1.772	10	8000072513
11	50.00	1.969	9	8000072514
12	55.00	2.165	8	8000072515

MPS 5 - straight



OMNIMATE® 4.0 signal connectors combine three innovations in one product: the fastest connection technology SNAP IN, a modular product design with flexible configuration options, and the fastest possible delivery.

- Particularly fast, safe and tool-free wiring thanks to SNAP IN connection
- Optical and acoustic feedback indicates proper wiring
- Tool-free rewiring via lever operation
- Individual color and font marking in the configurator

Product data

IEC: 400 V / 26.8 A / 0.5 - 4 mm²
UL: 300 V / 14 A / AWG 18 - 14



For additional articles and information, refer to catalog.weidmueller.com

Note:

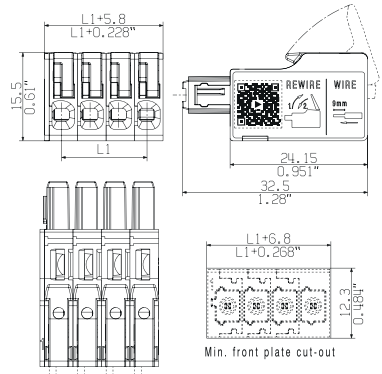
- Rated current related to rated cross-section & min. No. of poles.
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- Wire end ferrule without plastic collar to DIN 46228/1
- Long term storage of the product with average temperature of 50 °C and average humidity 70%, 36 months

MPS 5/.. S TN B

Box packaging



Dimensioned drawing



Technical data

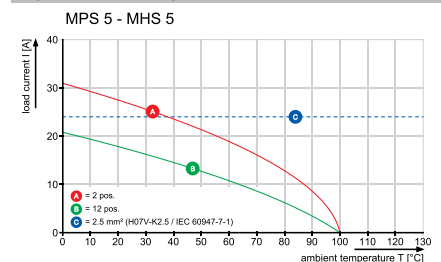
In compliance with IEC 60664-1 / IEC 61984

Clamping range, max.	mm ²	0.5...2.5
Solid core H05(07) V-U	mm ²	0.5...2.5
Stranded H07 V-R		
Flexible H05(07) V-K	mm ²	0.5...4
Flexible with ferrule	mm ²	0.5...2.5
Ferrule with plastic collar	mm ²	0.5...2.5
Stripping length	mm	9
Screwdriver blade	mm	
According to norm		
Tightening torque range		
Rated current, max.	A	26.8 23.1
At ambient temperature	20°C	40°C
For conductor cross-section		
Overvoltage category		III III II
Pollution severity		3 2 2
Rated voltage	V	250 320 400
Rated impulse voltage	kV	4 4 4
UL / CUL (Use Group)	B C D	
Rated voltage	V	300 300
Rated current	A	14 10
AWG conductor	AWG	18-14
CSA (Use Group)	B C D	
Rated voltage	V	
Rated current	A	
AWG conductor	AWG	-
General data		
Type of insulation material		PBT GF
UL 94 flammability rating		V-0
Contact base material		CuSn
Material of contact surface		tinned
Pin dimensions = d	mm	
Solder eyelet Ø = D	mm	
Solder eyelet Ø tolerance	mm	

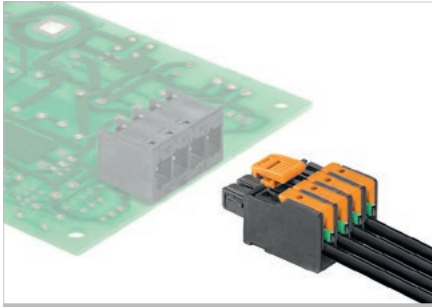
Ordering data

Solder pin length				
Colour				black
Pitch	5.00 mm			
Pol.	L1	(inch)	Qty.	Order No.
2	5.00	0.197	168	2741560000
3	10.00	0.394	114	2741570000
4	15.00	0.591	84	2741580000
5	20.00	0.787	72	2741590000
6	25.00	0.984	60	2741600000
7	30.00	1.181	48	2741610000
8	35.00	1.378	42	2741620000
9	40.00	1.575	36	2741630000
10	45.00	1.772	36	2741640000
11	50.00	1.969	30	2741650000
12	55.00	2.165	30	2741660000

Representative deratings curve



MPS 5 - straight, top flange



OMNIMATE® 4.0 signal connectors combine three innovations in one product: the fastest connection technology SNAP IN, a modular product design with flexible configuration options, and the fastest possible delivery.

- Particularly fast, safe and tool-free wiring thanks to SNAP IN connection
- Optical and acoustic feedback indicates proper wiring
- Tool-free operation thanks to lever and top fixation
- Individual color and font marking in the configurator

Product data

IEC: 400 V / 26.8 A / 0.5 - 4 mm²
UL: 300 V / 14 A / AWG 18 - 14



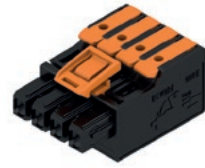
For additional articles and information, refer to catalog.weidmueller.com

Note:

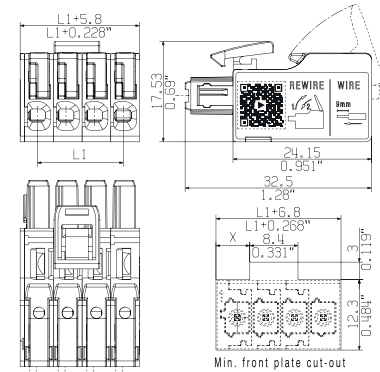
- Rated current related to rated cross-section & min. No. of poles.
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- Wire end ferrule without plastic collar to DIN 46228/1
- Long term storage of the product with average temperature of 50 °C and average humidity 70%, 36 months

MPS 5/.. S F.. TN B

Box packaging



Dimensioned drawing



Ordering data

Solder pin length				
Colour				black
Pitch	5.00 mm			
Pol.	L1	(inch)	Qty.	Order No.
2	5.00	0.197	168	2741670000
3	10.00	0.394	114	2741680000
4	15.00	0.591	84	2741690000
5	20.00	0.787	72	2741700000
6	25.00	0.984	60	2741710000
7	30.00	1.181	48	2741720000
8	35.00	1.378	42	2741730000
9	40.00	1.575	36	2741740000
10	45.00	1.772	36	2741750000
11	50.00	1.969	30	2741760000
12	55.00	2.165	30	2741770000

Technical data

In compliance with IEC 60664-1 / IEC 61984

Clamping range, max.	mm ²	0.5...2.5
Solid core H05(07) V-U	mm ²	0.5...2.5
Stranded H07 V-R		
Flexible H05(07) V-K	mm ²	0.5...4
Flexible with ferrule	mm ²	0.5...2.5
Ferrule with plastic collar	mm ²	0.5...2.5
Stripping length	mm	9
Screwdriver blade	mm	
According to norm		
Tightening torque range		
Rated current, max.	A	26.8 23.1
At ambient temperature	20°C	40°C
For conductor cross-section		
Overvoltage category		III III II
Pollution severity		3 2 2
Rated voltage	V	250 320 400
Rated impulse voltage	kV	4 4 4
UL / CUL (Use Group)	B C D	
Rated voltage	V	300 300
Rated current	A	14 10
AWG conductor	AWG	18-14
CSA (Use Group)	B C D	
Rated voltage	V	
Rated current	A	
AWG conductor	AWG	-
General data		
Type of insulation material		PBT GF
UL 94 flammability rating		V-0
Contact base material		CuSn
Material of contact surface		tinned
Pin dimensions = d	mm	
Solder eyelet Ø = D	mm	
Solder eyelet Ø tolerance	mm	

Representative deratings curve

