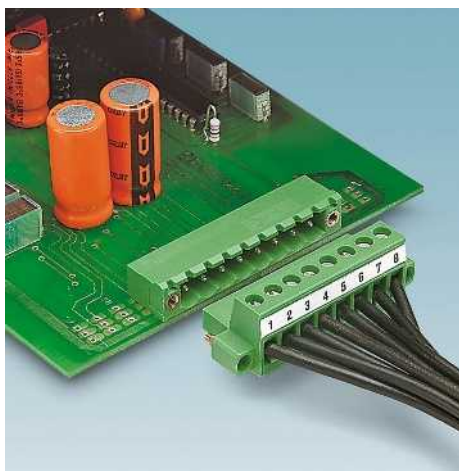


Classic plug-in connector with 5.0 to 7.62 mm pitch

CLASSIC COMBICON plug-in connectors, pitches 5.0 or 5.08 mm

Plug with a screw connection



- Standard plug-in system for 320 V (III/2)
- Plug-in direction parallel to the conductor axis
- Versions with screw flange, pull-out aid, and Lock & Release levers
- Individual position coding by inserting the coding profiles
- Higher numbers of positions up to 24-pos. can be found at:
www.phoenixcontact.net/products

Notes:

In accordance with DIN EN 61984, COMBICON plug-in connectors have no switching power. During designated use, they must not be plugged in or disconnected when carrying voltage or under load.

MSTB 2,5/...-STZ

	Dimension b [mm]	Dimension c [mm]
2- to 4-pos.	9.9	46
5- to 8-pos.	19.9	46
From 9-pos. onwards	39.9	55.6

The maximum torque for the screw flange is 0.3 Nm.

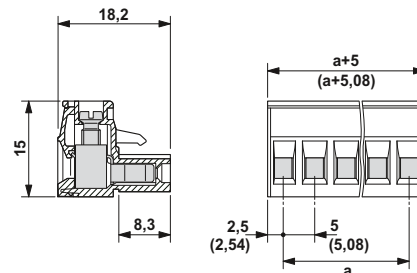
¹⁾ Please observe the derating curves. Derating curves of further combination options on request.



Plug with screw connection



Dimensional drawing



Note derating curves

Derating curves, determined as per DIN EN 61984 (VDE 0627):2002-09
Representation based on DIN EN 60512-5-2:2003-01
Connected conductor cross section = 2.5 mm²
Reduction factor = 0.8
Number of positions = see diagram

Accessories

For all types	Type	Page
	Marker cards SK 5/3,8 or SK 5,08/3,8	798
	Screwdriver SZS 0,6 x 3,5 Order No. 1205053	
	Coding profile CP-MSTB Order No. 1734634	38
	Insertion bridge EBP...-5	829

Technical data

Technical data in accordance to IEC / DIN VDE	
Rated current / conductor cross section	[A] / [mm ²]
Rated insulation voltage for pollution degree 2	[V]
Pitch	[mm]
Connection capacity	
Solid / stranded	[mm ²] / [mm ²] / AWG
Stranded with ferrules without plastic sleeve	[mm ²]
Stranded with ferrules with plastic sleeve	[mm ²]
Multi-conductor connection capacity (two conductors with the same cross section)	
Solid / stranded	[mm ²]
Stranded with ferrules without plastic sleeve	[mm ²]
Stranded with TWIN ferrule with plastic sleeve	[mm ²]
Insulation coordination	
Surge voltage category / pollution degree	III / 3 III / 2 II / 2
Rated insulation voltage	[V]
Rated surge voltage	[kV]
Approval data (UL/CUL)	Use Group
Nominal voltage	[V]
Nominal current	[A]
Connection capacity AWG	AWG
Approval data (CSA)	Use Group
Nominal voltage	[V]
Nominal current	[A]
Connection capacity AWG	AWG
General data	
Stripping length	[mm]
Screw thread	
Tightening torque	[Nm]
Type of insulation material / insulation material group	
Inflammability class according to UL 94	

	12 ¹⁾ / 2.5
	320
	5 / 5.08
	0.2 - 2.5 / 0.2 - 2.5 / 24 - 12
	0.25 - 2.5
	0.25 - 2.5
	0.2 - 1 / 0.2 - 1.5
	0.25 - 1
	0.5 - 1.5
	III / 3 III / 2 II / 2
	250 320 630
	4 4 4
	B C D
	300 - 300
	15 - 15
	30 - 12 - 30 - 12
	B C D
	300 - 300
	10 - 10
	28 - 12 - 28 - 12
	7
	M3
	0.5 - 0.6
	PA / I
	V0

Ordering data

No. of pos.	Dim. a [mm]	Type	Order No.	Pcs. / Pkt.
5.0 mm pitch, color: green				
2	5.00	MSTB 2,5/ 2-ST	1754449	50
3	10.00	MSTB 2,5/ 3-ST	1754465	50
4	15.00	MSTB 2,5/ 4-ST	1754481	50
5	20.00	MSTB 2,5/ 5-ST	1754504	50
6	25.00	MSTB 2,5/ 6-ST	1754520	50
7	30.00	MSTB 2,5/ 7-ST	1754546	50
8	35.00	MSTB 2,5/ 8-ST	1754562	50
9	40.00	MSTB 2,5/ 9-ST	1754588	50
10	45.00	MSTB 2,5/10-ST	1754601	50
11	50.00	MSTB 2,5/11-ST	1754627	50
12	55.00	MSTB 2,5/12-ST	1754643	50
13	60.00	MSTB 2,5/13-ST	1754669	50
14	65.00	MSTB 2,5/14-ST	1754685	50
15	70.00	MSTB 2,5/15-ST	1754708	50
16	75.00	MSTB 2,5/16-ST	1754724	50
5.08 mm pitch, color: green				
2	5.08	MSTB 2,5/ 2-ST-5,08	1757019	50
3	10.16	MSTB 2,5/ 3-ST-5,08	1757022	50
4	15.24	MSTB 2,5/ 4-ST-5,08	1757035	50
5	20.32	MSTB 2,5/ 5-ST-5,08	1757048	50
6	25.40	MSTB 2,5/ 6-ST-5,08	1757051	50
7	30.48	MSTB 2,5/ 7-ST-5,08	1757064	50
8	35.56	MSTB 2,5/ 8-ST-5,08	1757077	50
9	40.64	MSTB 2,5/ 9-ST-5,08	1757080	50
10	45.72	MSTB 2,5/10-ST-5,08	1757093	50
11	50.80	MSTB 2,5/11-ST-5,08	1757103	50
12	55.88	MSTB 2,5/12-ST-5,08	1757116	50
13	60.96	MSTB 2,5/13-ST-5,08	1757129	50
14	66.04	MSTB 2,5/14-ST-5,08	1757132	50
15	71.12	MSTB 2,5/15-ST-5,08	1757145	50
16	76.20	MSTB 2,5/16-ST-5,08	1757158	50