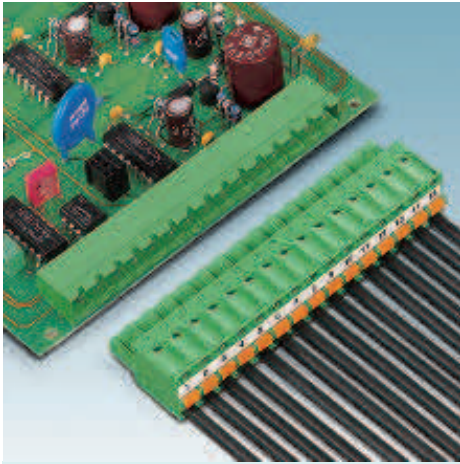


Plug-in connectors for MCR technology - COMBICON control

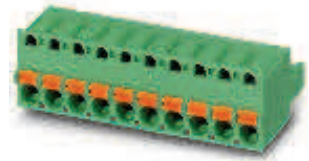
CLASSIC COMBICON plug-in connectors with 5.0 or 5.08 mm pitch

Connectors with push-in spring-cage connection



- Fast conductor connection thanks to push-in spring-cage connection
- Can be combined with the MSTB 2,5 range
- Contacting of solid or stranded conductors with a ferrule without operating the opening lever directly in the terminal point
- Two test connections to accommodate 2 mm Ø test pins or 2.3 mm Ø test plugs
- Versions with and without screw flange, with self-locking flange, and with lock & release levers
- For larger numbers of positions up to 24-pos., visit: www.phoenixcontact.net/catalog

Notes:
In accordance with DIN EN 61984, COMBICON connectors have no switching power. During designated use, they must not be plugged in or disconnected when carrying voltage or under load.
COMBICON select Possible combinations for plug-in connectors can be found in COMBICON select at www.phoenixcontact.net/catalog or starting on page 164.
The maximum torque for the screw flange is 0.3 Nm.
1) Please observe the derating curves. Derating curves for other possible combinations are available on request.

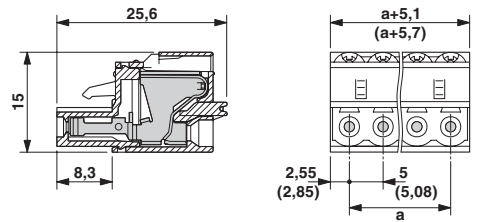


With test connection



Accessories		
For all types	Type	Page
	Marker cards SK 5/3,8 or SK 5,08/3,8	842
	Keying profile CP-MSTB Order No. 1734634	38
	Strain relief STZ ...-FKC-5,08	861
	Ferrules with and without plastic sleeve	858
	Crimping pliers for 0.25 to 6 mm ² CRIMPFOX 6 Order No. 1212034	
	Test plug MPS	855

Dimensional drawing



Note regarding derating curves

Derating curves, determined according to DIN EN 61984 (VDE 0627):2002-09
Representation in accordance with DIN EN 60512-5-2:2003-01
Connected conductor cross section = 2.5 mm²
Reduction factor = 0.8
Number of positions = See diagram

Technical data

Technical data according to IEC/DIN VDE	
Rated current / conductor cross section	[A] / [mm ²] 12 ¹⁾ / 2.5
Rated insulation voltage for pollution degree 2	[V] 320
Pitch	[mm] 5 / 5.08
Connection capacity	
Solid / stranded	[mm ²] / [mm ²] / AWG 0.2 - 2.5 / 0.2 - 2.5 / 24 - 12
Stranded with ferrules without plastic sleeve	[mm ²] 0.25 - 2.5
Stranded with ferrules with plastic sleeve	[mm ²] 0.25 - 2.5
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] 0.5 - 1.5
Insulation coordination	
Surge voltage category / pollution degree	III / 3 III / 2 II / 2
Rated insulation voltage	[V] 250 320 630
Rated surge voltage	[kV] 4 4 4
Approval data (UL/CUL)	Use Group B C D
Nominal voltage	[V] 250 - 300
Nominal current	[A] 10 - 10
Connection capacity AWG	AWG 26 - 12 - 26 - 12
Approval data (CSA)	Use Group B C D
Nominal voltage	[V] 300 - 300
Nominal current	[A] 12 - 10
Connection capacity AWG	AWG 24 - 12 - 24 - 12
General data	
Stripping length	[mm] 10
Type of insulation material / insulation material group	PA / I
Inflammability class according to UL 94	V0

Technical data

No. of pos.	Dim. a [mm]
2	5.00
3	10.00
4	15.00
5	20.00
6	25.00
7	30.00
8	35.00
9	40.00
10	45.00
11	50.00
12	55.00
13	60.00
14	65.00
15	70.00
16	75.00
2	5.08
3	10.16
4	15.24
5	20.32
6	25.40
7	30.48
8	35.56
9	40.64
10	45.72
11	50.80
12	55.88
13	60.96
14	66.04
15	71.12
16	76.20

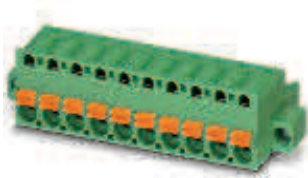
Ordering data

Type	Order No.	Pcs. / Pkt.
5.0 mm pitch, color: green		
FKC 2,5/ 2-ST	1910351	50
FKC 2,5/ 3-ST	1910364	50
FKC 2,5/ 4-ST	1910377	50
FKC 2,5/ 5-ST	1910380	50
FKC 2,5/ 6-ST	1910393	50
FKC 2,5/ 7-ST	1910403	50
FKC 2,5/ 8-ST	1910416	50
FKC 2,5/ 9-ST	1910429	50
FKC 2,5/10-ST	1910432	50
FKC 2,5/11-ST	1910445	50
FKC 2,5/12-ST	1910458	50
FKC 2,5/13-ST	1910461	50
FKC 2,5/14-ST	1910474	50
FKC 2,5/15-ST	1910487	50
FKC 2,5/16-ST	1910490	50
5.08 mm pitch, color: green		
FKC 2,5/ 2-ST-5,08	1873058	50
FKC 2,5/ 3-ST-5,08	1873061	50
FKC 2,5/ 4-ST-5,08	1873074	50
FKC 2,5/ 5-ST-5,08	1873087	50
FKC 2,5/ 6-ST-5,08	1873090	50
FKC 2,5/ 7-ST-5,08	1873100	50
FKC 2,5/ 8-ST-5,08	1873113	50
FKC 2,5/ 9-ST-5,08	1873126	50
FKC 2,5/10-ST-5,08	1873139	50
FKC 2,5/11-ST-5,08	1873142	50
FKC 2,5/12-ST-5,08	1873155	50
FKC 2,5/13-ST-5,08	1873168	50
FKC 2,5/14-ST-5,08	1873171	50
FKC 2,5/15-ST-5,08	1873184	50
FKC 2,5/16-ST-5,08	1873197	50

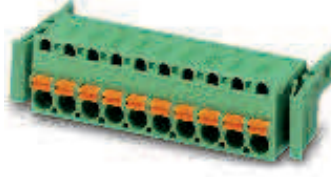
Plug-in connectors for MCR technology - COMBICON control

CLASSIC COMBICON plug-in connectors with 5.0 or 5.08 mm pitch

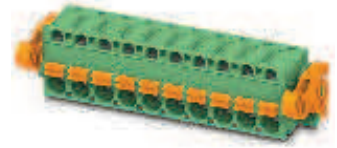
N



With test connection and screw flange



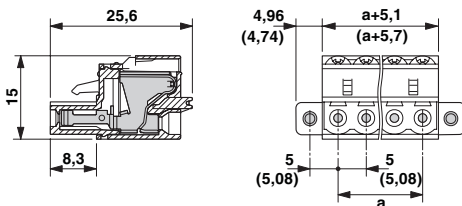
With test connection and self-locking flange



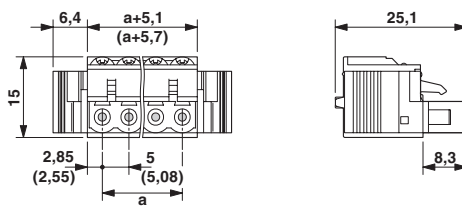
With test connection and lock & release levers for snapping on and ejecting



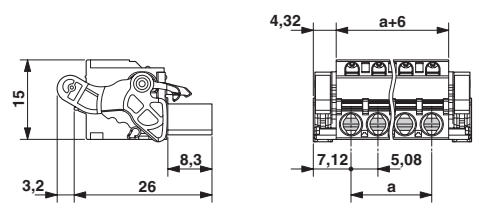
Dimensional drawing



Dimensional drawing

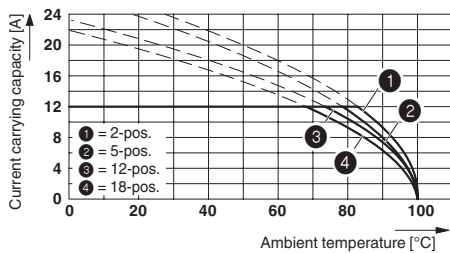


Dimensional drawing

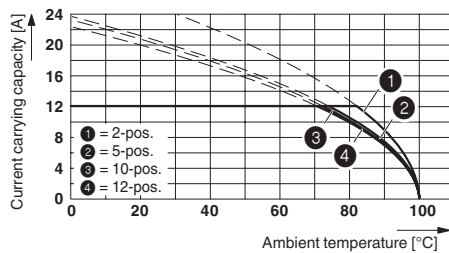


Representative derating curves for the above connectors

Type: FKC 2,5/...-ST with MSTBA 2,5/...-G



Type: FKC 2,5/...-ST with FKIC 2,5/...-ST



Ordering data

Type	Order No.	Pcs. / Pkt.
5.0 mm pitch, color: green		
FKC 2,5/ 2-STF	1910526	50
FKC 2,5/ 3-STF	1910539	50
FKC 2,5/ 4-STF	1910542	50
FKC 2,5/ 5-STF	1910555	50
FKC 2,5/ 6-STF	1910568	50
FKC 2,5/ 7-STF	1910571	50
FKC 2,5/ 8-STF	1910584	50
FKC 2,5/ 9-STF	1910597	50
FKC 2,5/10-STF	1910607	50
FKC 2,5/11-STF	1910610	50
FKC 2,5/12-STF	1910623	50
FKC 2,5/13-STF	1910636	50
FKC 2,5/14-STF	1910649	50
FKC 2,5/15-STF	1910652	50
FKC 2,5/16-STF	1910665	50
5.08 mm pitch, color: green		
FKC 2,5/ 2-STF-5,08	1873207	50
FKC 2,5/ 3-STF-5,08	1873210	50
FKC 2,5/ 4-STF-5,08	1873223	50
FKC 2,5/ 5-STF-5,08	1873236	50
FKC 2,5/ 6-STF-5,08	1873249	50
FKC 2,5/ 7-STF-5,08	1873252	50
FKC 2,5/ 8-STF-5,08	1873265	50
FKC 2,5/ 9-STF-5,08	1873278	50
FKC 2,5/10-STF-5,08	1873281	50
FKC 2,5/11-STF-5,08	1873294	50
FKC 2,5/12-STF-5,08	1873307	50
FKC 2,5/13-STF-5,08	1873317	50
FKC 2,5/14-STF-5,08	1873320	50
FKC 2,5/15-STF-5,08	1873333	50
FKC 2,5/16-STF-5,08	1873346	50

Ordering data

Type	Order No.	Pcs. / Pkt.
5.0 mm pitch, color: green		
FKC 2,5/ 2-ST-RF	1947052	50
FKC 2,5/ 3-ST-RF	1947065	50
FKC 2,5/ 4-ST-RF	1947078	50
FKC 2,5/ 5-ST-RF	1947081	50
FKC 2,5/ 6-ST-RF	1947094	50
FKC 2,5/ 7-ST-RF	1947104	50
FKC 2,5/ 8-ST-RF	1947117	50
FKC 2,5/ 9-ST-RF	1947120	50
FKC 2,5/10-ST-RF	1947133	50
FKC 2,5/11-ST-RF	1947146	50
FKC 2,5/12-ST-RF	1947159	50
FKC 2,5/13-ST-RF	1947162	50
FKC 2,5/14-ST-RF	1947175	50
FKC 2,5/15-ST-RF	1947188	50
FKC 2,5/16-ST-RF	1947191	50
5.08 mm pitch, color: green		
FKC 2,5/ 2-ST-5,08-RF	1925692	50
FKC 2,5/ 3-ST-5,08-RF	1925702	50
FKC 2,5/ 4-ST-5,08-RF	1925715	50
FKC 2,5/ 5-ST-5,08-RF	1925728	50
FKC 2,5/ 6-ST-5,08-RF	1925731	50
FKC 2,5/ 7-ST-5,08-RF	1925744	50
FKC 2,5/ 8-ST-5,08-RF	1925757	50
FKC 2,5/ 9-ST-5,08-RF	1925760	50
FKC 2,5/10-ST-5,08-RF	1925773	50
FKC 2,5/11-ST-5,08-RF	1925786	50
FKC 2,5/12-ST-5,08-RF	1925799	50
FKC 2,5/13-ST-5,08-RF	1925809	50
FKC 2,5/14-ST-5,08-RF	1925812	50
FKC 2,5/15-ST-5,08-RF	1925825	50
FKC 2,5/16-ST-5,08-RF	1925838	50

Ordering data

Type	Order No.	Pcs. / Pkt.
5.08 mm pitch, color: green		
FKC 2,5/ 2-ST-5,08-LR	1792517	50
FKC 2,5/ 3-ST-5,08-LR	1792520	50
FKC 2,5/ 4-ST-5,08-LR	1792533	50
FKC 2,5/ 5-ST-5,08-LR	1792546	50
FKC 2,5/ 6-ST-5,08-LR	1792559	50
FKC 2,5/ 7-ST-5,08-LR	1792562	50
FKC 2,5/ 8-ST-5,08-LR	1792575	50
FKC 2,5/ 9-ST-5,08-LR	1792588	50
FKC 2,5/10-ST-5,08-LR	1792591	50
FKC 2,5/11-ST-5,08-LR	1792601	50
FKC 2,5/12-ST-5,08-LR	1792614	50