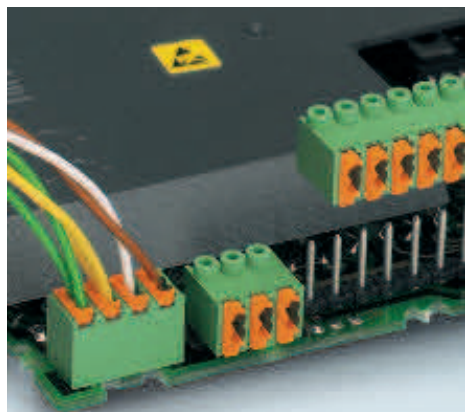


FK-MPT series

PCB terminals with spring-cage double connection up to 2 x 0.5 mm<sup>2</sup>



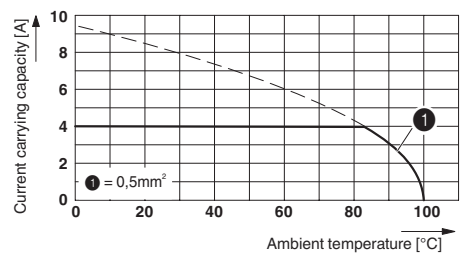
- Miniature connection terminal for solid conductors
- 3.5 mm pitch
- Easy looping through of potentials thanks to double connection
- More user-friendly thanks to the direct plug-in method and release button
- Available as a PCB terminal block or as connector

<b>Notes:</b>
Larger packing units are available on request
For PST 1,0/...-3,5 pin strips, see page 536.
<b>COMBICON select</b> Possible combinations for plug-in connectors can be found in COMBICON select at <a href="http://www.phoenixcontact.net/catalog">www.phoenixcontact.net/catalog</a> or starting on page 506.
1) Please observe the current carrying capacity curves. Other current carrying capacity curves are available on request.

Accessories		
For all types	Type	Page
	Marker cards SK 3,5/2,8	841

Current carrying capacity curve

Type: FK-MPT 0,5/5-ST-3,5  
 Tested in accordance with DIN EN 60512-5-2:2003-01  
 Reduction factor = 0.8  
 No. of positions: 5



Technical data

Technical data according to IEC/DIN VDE	
Rated current / conductor cross section	[A] / [mm <sup>2</sup> ]
Rated insulation voltage for pollution degree 2	[V]
Pitch	[mm]
Connection capacity	
Solid / stranded	[mm <sup>2</sup> ] / [mm <sup>2</sup> ] / AWG
Stranded with ferrules without plastic sleeve	[mm <sup>2</sup> ]
Stranded with ferrules with plastic sleeve	[mm <sup>2</sup> ]
Multi-conductor connection capacity (two conductors with the same cross section)	
Solid / stranded	[mm <sup>2</sup> ]
Stranded with ferrules without plastic sleeve	[mm <sup>2</sup> ]
Stranded with TWIN ferrule with plastic sleeve	[mm <sup>2</sup> ]
Insulation coordination	
Surge voltage category / pollution degree	
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]
Type of insulation material / insulation material group	
Inflammability class according to UL 94	
Drill hole diameter / pin dimensions	[mm]

FK-MPT 0,5/...-3,5

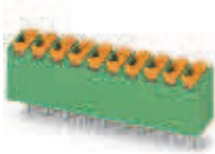
FK-MPT 0,5/...-3,5-H

FK-MPT 0,5/...-ST-3,5

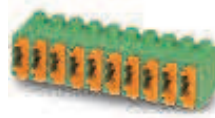
Rated current / conductor cross section	4 <sup>1)</sup> / 0.5			4 <sup>1)</sup> / 0.5			4 <sup>1)</sup> / 0.5		
Rated insulation voltage for pollution degree 2	250			250			250		
Pitch	3.5			3.5			3.5		
Connection capacity	0.12 - 0.5 / - / 26 - 20			0.12 - 0.5 / - / 26 - 20			0.12 - 0.5 / - / 26 - 20		
Stranded with ferrules without plastic sleeve	-			-			-		
Stranded with ferrules with plastic sleeve	-			-			-		
Multi-conductor connection capacity (two conductors with the same cross section)	-			-			-		
Solid / stranded	- / -			- / -			- / -		
Stranded with ferrules without plastic sleeve	-			-			-		
Stranded with TWIN ferrule with plastic sleeve	-			-			-		
Insulation coordination									
Surge voltage category / pollution degree									
Rated insulation voltage	III / 3	III / 2	II / 2	III / 3	III / 2	II / 2	III / 3	III / 2	II / 2
Rated surge voltage	160	250	250	160	250	250	160	250	250
Rated surge voltage	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
Approval data (UL/CUL)	B	C	D	B	C	D	B	C	D
Nominal voltage	300	-	300	300	-	300	300	-	300
Nominal current	4	-	4	4	-	4	4	-	4
Connection capacity AWG	28 - 20	-	28 - 20	28 - 20	-	28 - 20	28 - 20	-	28 - 20
Approval data (CSA)	B	C	D	B	C	D	B	C	D
Nominal voltage	-	-	-	-	-	-	-	-	-
Nominal current	-	-	-	-	-	-	-	-	-
Connection capacity AWG	-	-	-	-	-	-	-	-	-
General data									
Stripping length	6.5			6.5			6.5		
Type of insulation material / insulation material group	PBT / IIIa			PBT / IIIa			PBT / IIIa		
Inflammability class according to UL 94	V0			V0			V0		
Drill hole diameter / pin dimensions	1 / 0.4 x 0.9 mm			1.2 / 1 mm			- / -		

No. of pos. Dim. a [mm]

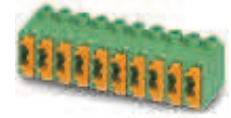
No. of pos.	Dim. a [mm]
2	3.50
3	7.00
4	10.50
5	14.00
6	17.50
7	21.00
8	24.50
9	28.00
10	31.50
11	35.00
12	38.50
13	42.00
14	45.50
15	49.00
16	52.50



Connection direction vertical to the PCB



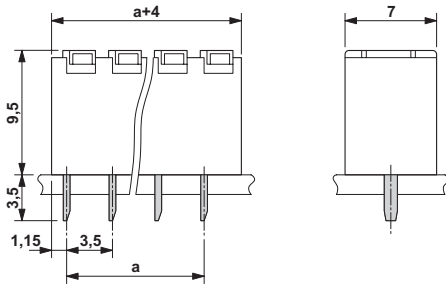
Connection direction parallel to the PCB



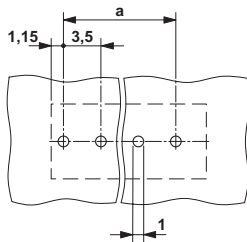
Can be plugged onto PST 1,0/...-3,5 pin strip



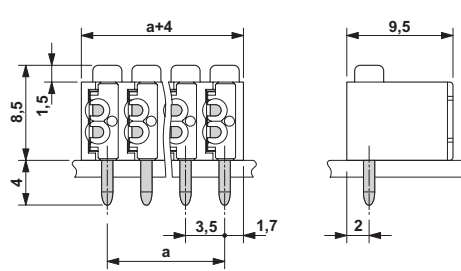
Dimensional drawing



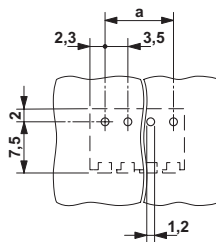
Drilling diagram



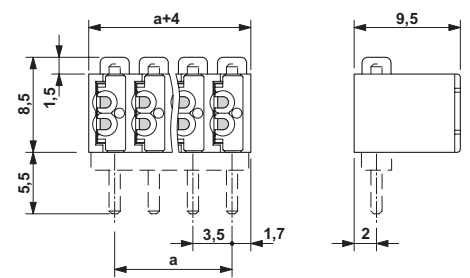
Dimensional drawing



Drilling diagram



Dimensional drawing



Ordering data		
Type	Order No.	Pcs. / Pkt.
3.5 mm pitch, color: green		
FK-MPT 0,5/ 2-3,5	1891069	50
FK-MPT 0,5/ 3-3,5	1891072	50
FK-MPT 0,5/ 4-3,5	1891085	50
FK-MPT 0,5/ 5-3,5	1891098	50
FK-MPT 0,5/ 6-3,5	1891108	50
FK-MPT 0,5/ 7-3,5	1891111	50
FK-MPT 0,5/ 8-3,5	1891124	50
FK-MPT 0,5/ 9-3,5	1891137	50
FK-MPT 0,5/10-3,5	1891140	50
FK-MPT 0,5/11-3,5	1891153	50
FK-MPT 0,5/12-3,5	1891166	50
FK-MPT 0,5/13-3,5	1891179	50
FK-MPT 0,5/14-3,5	1891182	50
FK-MPT 0,5/15-3,5	1891195	50
FK-MPT 0,5/16-3,5	1891205	50

Ordering data		
Type	Order No.	Pcs. / Pkt.
3.5 mm pitch, color: green		
FK-MPT 0,5/ 2-3,5-H	1928767	50
FK-MPT 0,5/ 3-3,5-H	1928770	50
FK-MPT 0,5/ 4-3,5-H	1928783	50
FK-MPT 0,5/ 5-3,5-H	1928796	50
FK-MPT 0,5/ 6-3,5-H	1928806	50
FK-MPT 0,5/ 7-3,5-H	1928819	50
FK-MPT 0,5/ 8-3,5-H	1928822	50
FK-MPT 0,5/ 9-3,5-H	1928835	50
FK-MPT 0,5/10-3,5-H	1928848	50
FK-MPT 0,5/11-3,5-H	1928851	50
FK-MPT 0,5/12-3,5-H	1928864	50
FK-MPT 0,5/13-3,5-H	1928877	50
FK-MPT 0,5/14-3,5-H	1928880	50
FK-MPT 0,5/15-3,5-H	1928893	50
FK-MPT 0,5/16-3,5-H	1928903	50

Ordering data		
Type	Order No.	Pcs. / Pkt.
3.5 mm pitch, color: green		
FK-MPT 0,5/ 2-ST-3,5	1913921	50
FK-MPT 0,5/ 3-ST-3,5	1913934	50
FK-MPT 0,5/ 4-ST-3,5	1913947	50
FK-MPT 0,5/ 5-ST-3,5	1913950	50
FK-MPT 0,5/ 6-ST-3,5	1913963	50
FK-MPT 0,5/ 7-ST-3,5	1913976	50
FK-MPT 0,5/ 8-ST-3,5	1913989	50
FK-MPT 0,5/ 9-ST-3,5	1913992	50
FK-MPT 0,5/10-ST-3,5	1914001	50
FK-MPT 0,5/11-ST-3,5	1914027	50
FK-MPT 0,5/12-ST-3,5	1914030	50
FK-MPT 0,5/13-ST-3,5	1914043	50
FK-MPT 0,5/14-ST-3,5	1914056	50
FK-MPT 0,5/15-ST-3,5	1914069	50
FK-MPT 0,5/16-ST-3,5	1914072	50