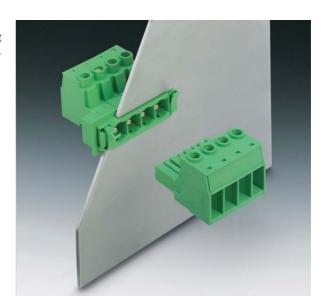


POWER COMBICON feed-through plugs 10.16 mm pitch DFK-PC 16/...-ST(F)-10,16

If a 16 mm² conductor is used, the new feed-through plug connector offers the possibility to transfer a current of 76 A from inside the device to outside and vice-versa. Just insert DFK-PC 16 into the opening in the housing and fix it in place using the easy-to-use snap-lock mechanism, without the need for additional tools. This version is designed in such a way that there is a screw connection on the device inside to guide cables from outside the device to the inside (or vice-versa). In combination with the standard PC 16 plugs, a cablecable feed-through fit in the device housing can be realized for 2 to 9 positions.

In the STF versions, the shielding function can be guided onto or through the housing wall. The fastening flanges offer vibration-proof connection. The feed-through plug connector is designed for 1.0 to 3.0 mm panel thickness.



COMBICON Select The COMBICON search engine with CAD downloading

2D DXF VRML STEP In compliance with DIN EN 61984, COMBICON plug connectors come without

COMBICON Select – the printed circuit board connection software supports your workflow from the PCB and housing layout to the ordering process with:

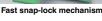
- Systematic and fast selection of products
- Universal Internet aided engineering with extensive CAD downloading
- Easy-to-use e-shopping functions.

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Note:

switching capacity. During designated use, they must not be plugged in or disconnected when carrying voltage or under load.







Screw fastening

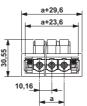
PHOENIX CONTACT GmbH & Co. KG • 32823 Blomberg, Germany Phone +49 52 35 3-00 • Fax +49 52 35 3-4 12 00 • www.phoenixcontact.com Local Contact: www.phoenixcontact.com/salesnetwork

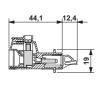
POWER COMBICON Feed-through plugs DFK-PC 16/...-ST-10,16 10.16 mm Pitch



Description	No. of pos.	Dim. a [mm]	Туре	Order No.	Pcs./Pkt.
POWER COMBICON plugs, 10.16 mm pitch, color: green	2 3 4	10.16 20.32 30.48	DFK-PC 16/ 2-ST-10,16 DFK-PC 16/ 3-ST-10,16 DFK-PC 16/ 4-ST-10,16	1703373 1703386 1703399	50 50 50
	5 6 7	40.64 50.80 60.96	DFK-PC 16/ 5-ST-10,16 DFK-PC 16/ 6-ST-10,16 DFK-PC 16/ 7-ST-10,16	1703409 1703412 1703425	50 50 50
	8 9	71.12 81.28	DFK-PC 16/ 8-ST-10,16 DFK-PC 16/ 9-ST-10,16	1703438 1703441	50 50
Keying profile, is inserted into the slot on the and header, red insulating material	plug		CP-HCC 4	1600027	50
Screws , (DIN ISO 7049 screw ST 2,9 x 9,5), for fixing feed-through terminal blocks on the housing wall			DFK-PC 16-SS	1705449	20
Screwdriver, to actuate the terminal screws			SZS 1,0 x 4,0	1205066	10
Marker card, with 10 pcs., 10-section marker strips, white, self-adhesive, for 100 terminal blocks			SK 10/5 (see COMBICON catalog)		
Crimp pliers, for ferrules of up to 16 mm ²			CRIMPFOX 16 S	1207983	1
Technical data					
Dimensions Pitch	[mm]		see description10.16		
Technical data in accordance with IEC/ DIN	VDE				
Insulating material group		_/_	 /3 /2	11/2	
Surge voltage category / contamination class				1000	
Rated voltage Rated surge voltage		[V] [kV]	1000 1000 8 8	6	
Nominal current / cross section	r		57 ¹) / 10		
Maximum load current / cross section		A] / [mm²] A] / [mm²]	76 ¹) / 16		
Connection capacity		Aj / [IIIIII]			
Solid / stranded / conductor sizes	[mm²] / [mn	n2] / AWG	0.75 - 16 / 0.75 - 16 / 18 - 6		
Stranded with ferrule without / with plastic slee		[mm²]			
Multiple connection (2 conductors with san			0,0 10 / 10,0	10 /	
Solid / stranded		[mm²]	0.75 - 6 / 0.7	5 - 6	
Stranded with ferrules without plastic sleeve		[mm²]	0.75 - 4		
Stranded with TWIN ferrule with plastic sleeve		[mm²]	0.5 - 6		
Stripping length		[mm]	14		
Internal cylindrical gage (IEC 60947-1)			A6		
Screw thread		_	M4		
Tightening torque		[Nm]	1.5 - 1.7		
Insulation material			PA		
Inflammability class acc. to UL 94			VO		
Approval data (UL/CUL and CSA)			· · · · · · · · · · · · · · · · · · ·		
Usegroup B	[V] / [.	A] / AWG	600 / 55 / 20) - 6	
Usegroup C		A] / AWG	600 / 55 / 20) - 6	
Usegroup D		A] / AWG	on reques		
			1) Observe derating curve		

¹) Observe derating curve ²) Only in connection with CRIMPFOX 16 S





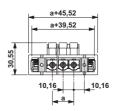
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POWER COMBICON Feed-through plugs DFK-PC 16/...-STF-10,16 10.16 mm Pitch



	N	Dim.		0.1.1.	D (D)
Description	No. of pos.	a [mm]	Туре	Order No.	Pcs./Pkt.
		[mm]			
POWER COMBICON feed-thround plugs,	2	10.16	DFK-PC 16/ 2-STF-10,16	1703454	50
10.16 mm pitch, color: green, with screw flange	3	20.32	DFK-PC 16/ 2-51F-10,16 DFK-PC 16/ 3-STF-10,16	1703454	50
with screw hange	4	30.48	DFK-PC 16/ 3-51F-10,16 DFK-PC 16/ 4-STF-10,16	1703477	50
	-		•		
	5	40.64	DFK-PC 16/ 5-STF-10,16	1703483	50
	6	50.80	DFK-PC 16/ 6-STF-10,16	1703496	50
	7	60.96	DFK-PC 16/ 7-STF-10,16	1703506	50
	8	71.12	DFK-PC 16/ 8-STF-10,16	1703519	50
	9	81.28	DFK-PC 16/ 9-STF-10,16	1703522	50
Keying profile, is inserted into the slot on the p and header, red insulating material	lug		CP-HCC 4	1600027	50
Screws, (DIN ISO 7049 screw ST 2,9 x 9,5),					
for fixing feed-through terminal blocks on the housing wall			DFK-PC 16-SS	1705449	20
Screwdriver, to actuate the terminal screws			SZS 1,0 x 4,0	1205066	10
Marker card, with 10 pcs., 10-section marker strips, white, self-adhesive,			SK 10/5 (see COMBICON catalog)		
for 100 terminal blocks			on 100 (see combined valuing)		
Crimp pliers, for ferrules of up to 16 mm ²			CRIMPFOX 16 S	1207983	1
Technical data					
Dimensions			see description		
Pitch		[mm]	10.16		
Technical data in accordance with IEC/ DIN \	/DE				
Insulating material group		_	1		
Surge voltage category / contamination class		-/-	III/3 III/2	II / 2	
Rated voltage		[V]	1000 1000	1000	
Rated surge voltage		[kV]	8 8	6	
Nominal current / cross section	[J	A] / [mm²]	57 ¹) / 10		
Maximum load current / cross section		A] / [mm²]	76 ¹) / 16		
Connection capacity	r	-1, []			
Solid / stranded / conductor sizes	[mm²] / [mn	n²l / AWG	0.75 - 16 / 0.75 - 16 / 18 - 6		
Stranded with ferrule without / with plastic sleev		[mm²]	0,5 - 16 ²) / 0,5		
Multiple connection (2 conductors with same				. • ,	
Solid / stranded	2.223 00011	[mm²]	0.75 - 6 / 0.7	5 - 6	
Stranded with ferrules without plastic sleeve		[mm²]	0.5 - 4		
Stranded with TWIN ferrule with plastic sleeve		[mm²]			
Stripping length		[mm]	14		
Internal cylindrical gage (IEC 60947-1)		[mm]	14 A6		
		_	M4		
Tightening torque	Screw thread -				
Insulation material		[Nm]			
			PA V0		
Inflammability class acc. to UL 94			V0		
Approval data (UL/CUL and CSA)	0.07	A1 / A14/0	000 / == / 00		
Usegroup B		A] / AWG	600 / 55 / 20		
Usegroup C		A] / AWG	600 / 55 / 20		
Usegroup D	[V] / [A] / AWG	on reques		
			¹) Observe derati	ng curve	
			2\ Only in connection with	CDIMPEOV 46 C	

Observe derating curve
 Only in connection with CRIMPFOX 16 S



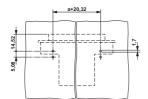


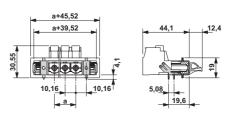
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POWER COMBICON Feed-through plugs DFK-PC 16/...-STF-SH-10,16 10.16 mm Pitch

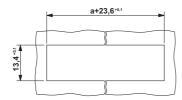


Description	No. of pos.	Dim. a [mm]	Туре	Order No.	Pcs./Pkt.
POWER COMBICON feed-throung plugs,					
10.16 mm pitch, color: green,	2	10.16	DFK-PC 16/ 2-STF-SH-10,16	1703616	50
shielded version, with screw flange	3	20.32	DFK-PC 16/ 3-STF-SH-10,16	1703629	50
g-	4	30.48	DFK-PC 16/ 4-STF-SH-10,16	1703632	50
	5		•		
		40.64	DFK-PC 16/ 5-STF-SH-10,16	1703645	50
	6	50.80	DFK-PC 16/ 6-STF-SH-10,16	1703658	50
	7	60.96	DFK-PC 16/ 7-STF-SH-10,16	1703661	50
	8	71.12	DFK-PC 16/ 8-STF-SH-10,16	1703674	50
	9	81.28	DFK-PC 16/ 9-STF-SH-10,16	1703687	50
Keying profile, is inserted into the slot on the and header, red insulating material	plug		CP-HCC 4	1600027	50
Screws, (DIN ISO 7049 screw ST 2,9 x 9,5),					
for fixing feed-through terminal blocks on the housing wall			DFK-PC 16-SS	1705449	20
Screwdriver, to actuate the terminal screws			SZS 1,0 x 4,0	1205066	10
Marker card, with 10 pcs., 10-section marker strips, white, self-adhesive,			SK 10/5 (see COMBICON catalog)		
for 100 terminal blocks			SK 10/3 (See COMBICON Catalog)		
Crimp pliers , for ferrules of up to 16 mm ²			CRIMPFOX 16 S	1207983	1
Technical data					
Dimensions			see descripti	ion	
Pitch		[mm]	10.16		
Technical data in accordance with IEC/ DIN	VDE				
Insulating material group		_	1		
Surge voltage category / contamination class		-/-	III/3 III/2	II / 2	
Rated voltage		[V]	1000 1000	1000	
Rated surge voltage		[kV]	8 8	6	
Nominal current / cross section	r.	A] / [mm²]	57 ¹) / 10	O	
Maximum load current / cross section		A] / [mm²]	76 ¹) / 16		
Connection capacity	Į,	Aj / [IIIII-]	76) / 16		
	[mama2] / [mam	m21 / ANA/C	0.75 16/0.75 1	C / 10 C	
Solid / stranded / conductor sizes	[mm²] / [mn	•	0.75 - 16 / 0.75 - 1		
Stranded with ferrule without / with plastic slee		[mm²]	0,5 - 16 ²) / 0,5 ·	- 16 ')	
Multiple connection (2 conductors with san	ne cross section	•			
Solid / stranded		[mm²]	0.75 - 6 / 0.75	b - 6	
Stranded with ferrules without plastic sleeve		[mm²]	0.5 - 4		
Stranded with TWIN ferrule with plastic sleeve		[mm²]	0.5 - 6		
Stripping length		[mm]	14		
Internal cylindrical gage (IEC 60947-1)	·	_	A6	·	·
Screw thread		_	M4		
Tightening torque		[Nm]	1.5 - 1.7		
Insulation material			PA		
Inflammability class acc. to UL 94			V0		
Approval data (UL/CUL and CSA)					
Usegroup B	1 / [//]	A] / AWG	600 / 55 / 20	- 6	
Usegroup C		A] / AWG	600 / 55 / 20		
Usegroup D			on reques		
Osegroup D	[V]/[A] / AWG	¹) Observe deratir		
			²) Only in connection with (
) Offig in confidential with	OTHINIFT OX 10 S	

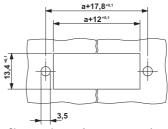




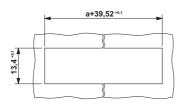
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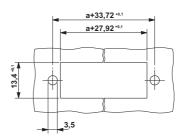
Sheet metal cutout for snap-lock mechanism for "ST" versions



Sheet metal cutout for screw connection for "ST" versions

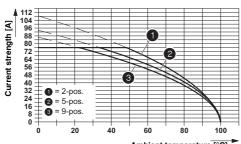


Sheet metal cutout for snap-lock mechanism for "STF" versions



Sheet metal cutout for screw connection for "STF" versions

Derating curve Type: PC 16/...-ST-10,16 with DFK-PC 16/...-ST-10,16 Connected conductor cross section = 16 mm² Reduction factor = 0.8 Number of positions = see diagram



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