

Plug-in connectors, PCB, and feed-through terminal blocks for power electronics

COMBICON power is the power electronics range for plug-in connectors, PCB terminal blocks, and feed-through terminal blocks.

More and more functions and components are being accommodated on printed circuit boards. This is why COMBICON power PCB connections offer from 16 A to 125 A. The range of feed-through terminal blocks has been developed especially for devices in the upper power spectrum, and offers panel feed-throughs up to 309 A.

With its extensive range, Phoenix Contact offers you the perfect connection for power electronics.

## feed-through terminal blocks

- . Currents up to 309 A
- . Voltage up to 600 V UL
- · Conductor cross section up to 150 mm<sup>2</sup>

### The right connection technology for every application



Variable frequency drives



Frequency inverters



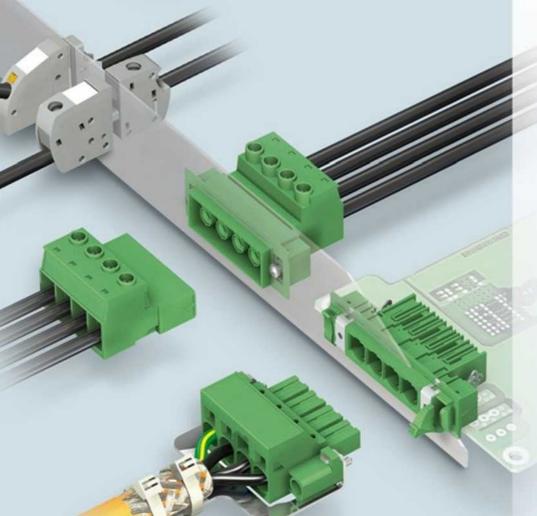
Power supply units



Solar inverters

#### COMBICON **PCB** terminal blocks

- · Currents up to 125 A
- · Voltage up to 600 V UL
- · Conductor cross section up to 35 mm<sup>2</sup>
- Pitch from 6.35 mm to 15 mm



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- · Currents up to 125 A
- Voltage up to 600 V UL
- · Conductor cross section up to 35 mm<sup>2</sup>
- . Pitch from 5 mm to 15 mm

# Plug-in connectors for power electronics

COMBICON power plug-in connectors provide professional solutions for user-friendly connections in power electronics up to 125 A.

In addition to the proven screw connection with tension sleeve principle, the push-in spring technology offers fast and tool-free conductor connection. A fixed connection is essential for applications which experience high vibrations. This can be achieved with a screw flange or the new automatic click and lock system.

COMBICON power plug-in connectors therefore offer a consistent and easy-to-maintain range with many different combination options.

#### Connection technologies for plug-in connectors



Screw connection with tension sleeve

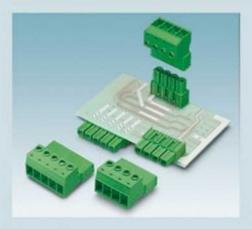


Push-in spring connection

#### Main features

- · Currents up to 125 A
- Voltage up to 600 V UL
- Conductor cross section up to 35 mm<sup>2</sup>
- Pitch from 5 mm to 15 mm

### Advantages at a glance



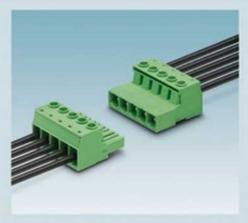
Inverted contact systems

Optimum protection against contact with the current carrying contacts



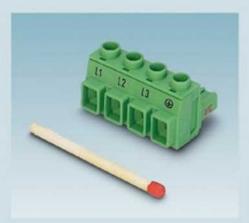
PCB/PCB connection

By using the inverted versions, PCB/PCB connections are possible



Free-hanging cable-to-cable connection

Two plugs as free-hanging connection



Compact designs

Unrestricted 600 V UL approvals for pitches of 7.62 mm



Shield function

Connects the braided shield connector to fulfill EMC requirements and for additional strain relief



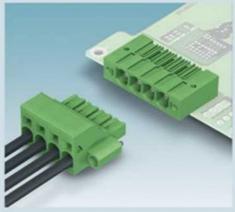
Integrated double steel spring

This covering spring provides additional safety in the event of power and temperature fluctuations



Click and lock

Automatically locks the plug-in connection during the plug-in process, with a space-saving design



Screw flange

Vibration-resistant connection with threaded flange



TWIN plug

Connects two conductors on one electrical potential

# PCB terminal blocks for power electronics

COMBICON power PCB terminal blocks stand out thanks to a varied range of high-performance connections up to 125 A.

The PCB terminal blocks offer numerous connection options. The conductor connection is established via a reliable screw connection, a convenient spring-cage connection and push-in spring connection or the latest push-lock spring connection. Conductors can be connected to conductor cross sections of up to 35 mm<sup>2</sup>.

#### Connection technologies for PCB terminal blocks



Push-in spring connection



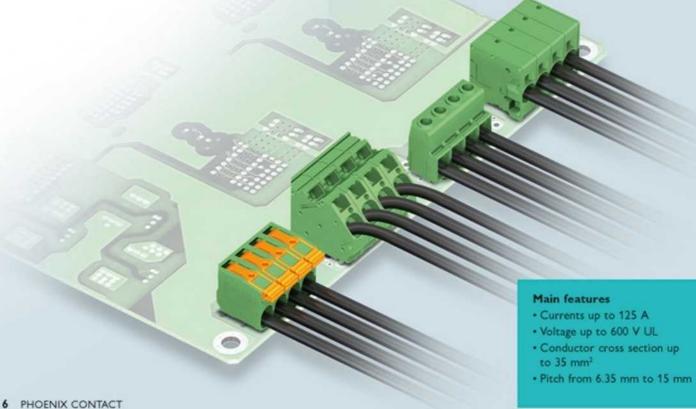
Screw connection with tension sleeve



Spring-cage connection



Push-lock spring connection



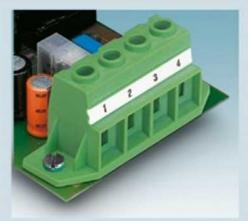
### Advantages at a glance



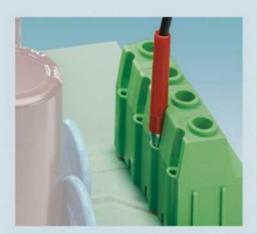
Easy keying Color coding of positions, thanks to modular design



Compact design Unrestricted 600 V UL approvals for compact pitches of 6.35 mm



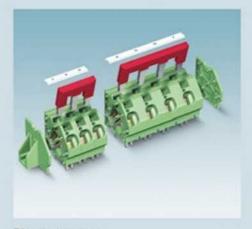
Easy marking Individual labeling with SK strips, zack marker strip or direct imprinting



Integrated test connection Continuously monitors operating states

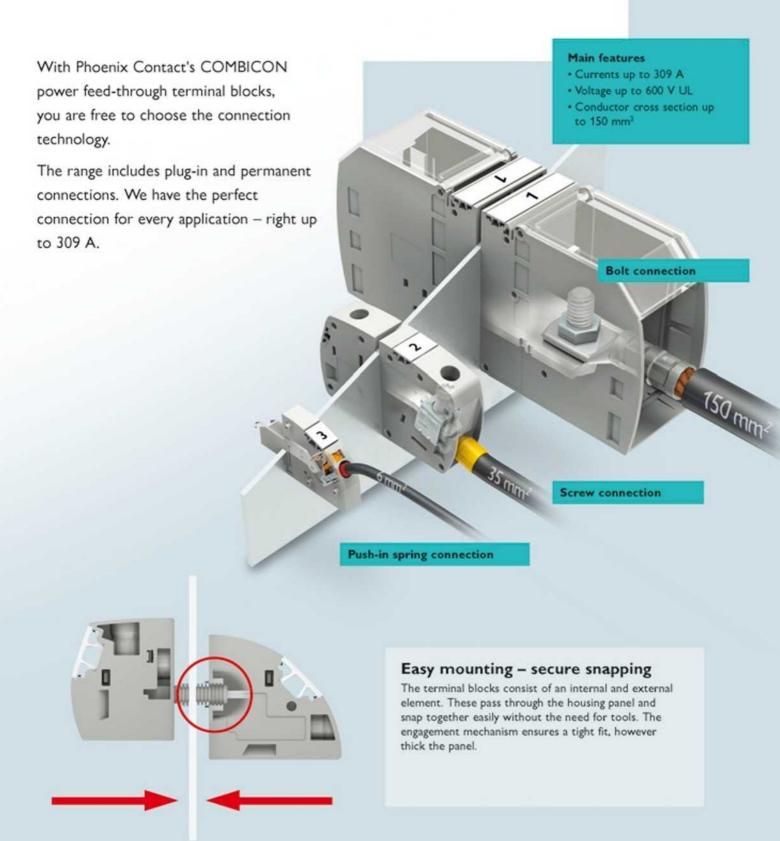


Safe mounting flange Relieves the strain on solder pins thanks to additional screw connection to the mounting flanges



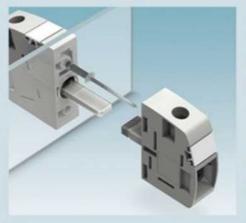
Plug-in jumpers Easy potential distribution, e.g., via star-delta circuits

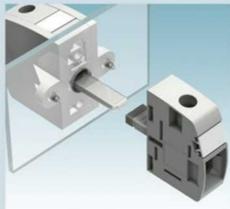
# Feed-through terminal blocks for power electronics



### Alternative mounting for higher loads

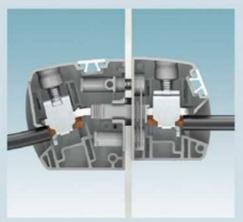


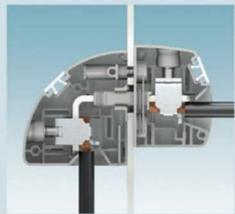




Screws Rivets **Flanges** 

### The right connection for every installation type

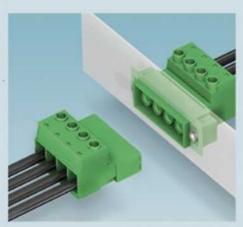




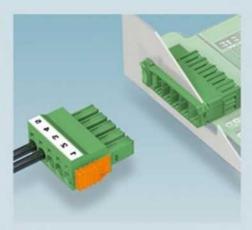


Horizontal Vertical Sealed internally

### Plug-in feed-through terminal blocks







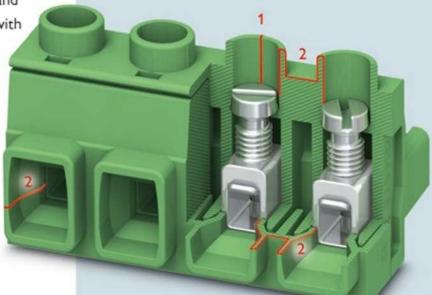
The plug-in feed-through terminal blocks consist of the plug and the DFK header of the PC 4 to PC 35 series. The terminal blocks are inserted into the opening of the housing and mounted using the classic screw fixing or tool-free snap-lock mechanism into a section of the housing.

# UL certification technical information about the PCB connection

Approvals such as UL/CUL continue to raise questions for the device developer. As a responsible manufacturer of device connection technology, we develop and test our products in such as way that our customers do not encounter any problems with international approval for their devices.

UL recognizes terminal boxes and plug-in connectors as individual components (UL 1059). In the end application, components undergo final evaluation and are approved for operation together with the device (UL 508 (C) and UL 840).

When plugged in, COMBICON power plug-in connectors fulfill all requirements of the increased contact protection for electrical power drives according to IEC 61800-5-1.



#### Air and creepage distances

For safety reasons, the stipulated air and creepage distances must be adhered to for all UL approvals.

The clearance (1) is the shortest straight-line distance between two leading objects, while the creepage distance (2) is the shortest distance between two leading objects along the surface of an insulation material.

#### Product standards

#### **UL 1059 "Terminal Blocks"**

In order for Phoenix Contact products to be able to be used in industrial applications without restrictions, they are generally tested and recognized in accordance with UL 1059.

The following table lists the air and creepage distances required for the components.

The use group refers to the later area of application of the termination device.

		Maximum	Required distances (mm)			
Use group	Definition	voltage (V)	Clearance	Creepage distance		
A 0	Operating elements, consoles, and similar	150 300 600	12.7 19.1 25.4	19.1 31.8 50.8		
В	Conventional devices, including office and electronic data processing equipment and similar	150 300 600	1.6 2.4 9.5	1.6 2.4 12.7		
c 📥	Industrial applications, without restrictions	150 300 600	3.2 6.4 9.5	6.4 9.5 12.7		
D 🛕	Industrial applications, operating equipment with limited rating	300 600	1.6 4.8	3.2 9.5		



#### Device standards

#### UL 508 "Industrial control equipment"

Terminal blocks, which are recognized according to UL 1059, meet the requirements of UL 508 for field wiring terminal blocks and can thus be used in accordance with this standard without restriction. UL 508 also permits alternative rating in accordance with UL 840.

#### UL 508 C "Power conversion equipment"

This UL standard applies specifically to power electronics (motor controllers, frequency inverters, etc.). The requirements for field wiring terminal blocks are similar to the specifications of UL 508. Alternative rating in accordance with UL 840 is also possible here.

#### UL 840 "Insulation coordination including clearances and creepage distances for electrical equipment"

This standard describes an alternative procedure for designing the insulation of end products for defined ambient conditions (surge voltage category, pollution degree, material index), provided that this is permitted by the device standard.

#### In accordance with UL 840 (3rd edition 2005), the following procedures are carried out to determine air and creepage distances:

#### 1. Equivalent clearances

Not meeting the clearance required in the device standard is permitted if the termination device has passed one of the surge voltage tests described in UL 840 (Table 7.1\*) without sparkover. The amount of surge voltage depends on the clearance required in the product standard.

#### 2. Clearances for limited surge voltages If it is ensured that surge voltages occurring during operation

do not exceed a specified maximum value, the required clearances for the known pollution degree can also be determined in accordance with Table 8.1\*.

#### 3. Creeping distances

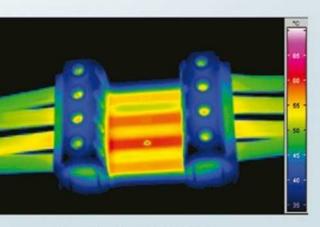
The minimum requirements described in Table 9.1\* for general creeping distances and those especially for PCBs must be met, taking into consideration the operating voltage, pollution degree, and creep resistance of the material.

\* Tables in accordance with Standard UL 840

# High-performance on the PCB PCB layout for 125 A

In cooperation with high-current PCBs, the plug-in connectors from the COMBICON power range enable a current carrying capacity of up to 125 A. New options for the device design arise from various PCB production technologies. The necessary functions and boards can thus be grouped together on a single PCB, which reduces the number of devices required.

Further assembly procedures and expensive additional device wiring can also be avoided.



Thermal imaging of a test application with 125 A

Three different technologies are used in PCB production:



#### 1. Multi-layer technology

- · Up to maximum 210 µm on the outer layers
- · Up to maximum 400 µm on the inner layers
- · Advantages:

Better heat distribution Higher currents transported Replacement for stamping and bending constructions



#### 2. Thick copper technology

- · Solid copper core internal layers
- Internal layers 0.6 2 mm
- · Various asymmetrical layer structures also possible
- · Advantages:

Fewer interfaces No through-contacting necessary Patented high-current technology



#### 3. Wire-writing technology

- · Enameled wires inside the PCB
- · Connects the contact points using modern microwelding technology
- Advantages:

High current densities through additional wires Control and power sections possible on one PCB

# 3 steps to having your device approved according to UL 508 (C) and UL 840

#### 1. Product standards

		ea.di			
Approval	Use group	Pollution d	Rated insulation voltage		Rated current
	В		600 V	ı	50 A
UL 1059	C		600 V		50 A
	D			Ī.	

Approval for the individual product according to UL 1059 can be found next to or under the product photos in use groups B, C, and D or according to IEC 60664 in pollution degrees 2 and 3.

#### 2. Possible combinations

UL 508 (C)
250 V - 16 A
-
300 V - 10 A
UL 840
320 V - 16 A
250 V - 16 A

In the middle of the array, you will find the approvals of all suitable combinations of male and female contacts.

#### 3. Device standards

UL 508 (C) 250 V - 16 A 300 V - 10 A ... according to UL 508 (C)

The values in the turquoise-colored field show the approval values of the device standard in use groups for UL 508 (C) (see page 11).

UL 840 320 V - 16 A 250 V - 16 A ... according to UL 840

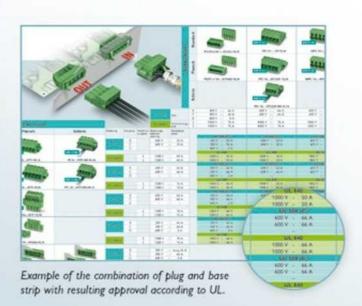
The values in the bright green field result from alternative calculations according to UL 840 in pollution degrees 2 and 3. The requirement for the specified values is fulfilling the points specified on page 11 under UL 840.

600 V UL

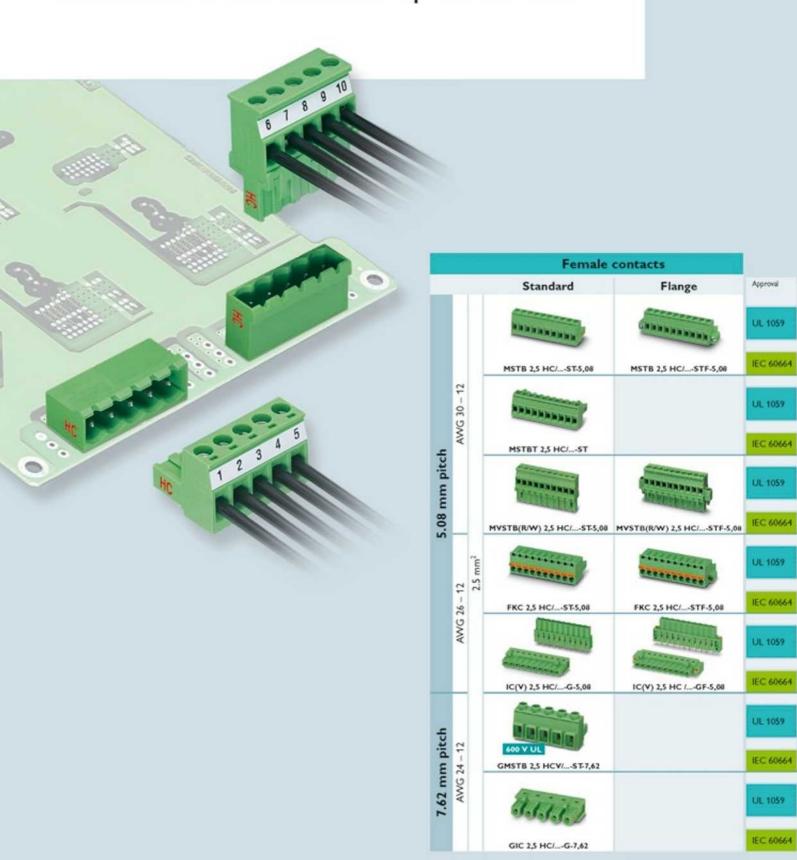
This button displays all products in the COMBICON power range which fulfill the air and creepage distances, including in the case of field wiring applications for unrestricted 600 V UL approval.

The arrays on the following pages should help you obtain approval for your device quickly and reliably.

You can find approvals in the product standard according to UL 1059 and IEC 60664 in the left-hand column and the top row. Furthermore, each array provides information about which resulting device standards apply according to UL 508 and UL 840 for a plug and appropriate base strip combination.

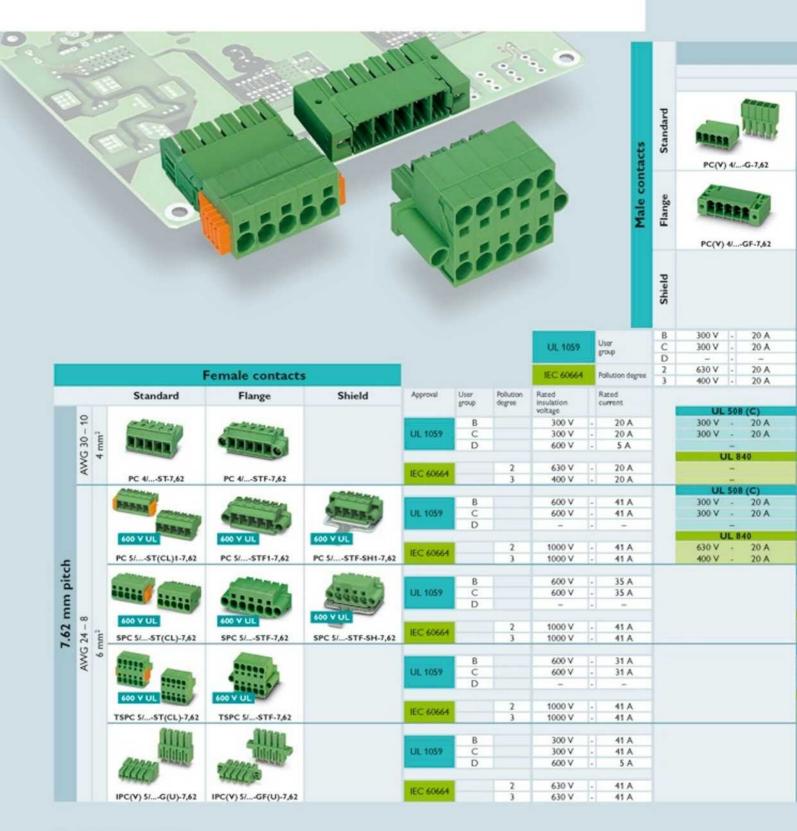


# Plug-in connectors for conductor cross sections up to 2.5 mm<sup>2</sup>



			_					
					5.08 mi	m pitch	7.62 m	m pitch
					AWG 30 – 12	AWG 26 – 12		24 – 12
				- 1		2.5	mm <sup>2</sup>	
				2		The state of the s		Secon
			12	Standard	- Contraction	55555555	ISMSHSHSH	
			act	tar	0000000000	1		600 Y UL
			Male contacts	0,	MSTB(V)A 2,5 HC/G-5,08	FKIC 2,5 HC/ST-5,08	GMSTBA 2,5 HC/G-7,62	GIC 2,5 HCV/ST-7,62
			ŭ		(Bassessee	per .		
			豆	98	The state of the s	Control of the second		
			2	Flange	B000000000	COSSSSSSSSS		
				-				
			_	8	MSTB(V)2,5 HC/GF-5,08 250 V - 16 A	250 V - 16 A	250 V - 18.5 A	600 V - 16 A
		UL 1059	Use group	C				600 V - 16 A
			Pollution	D 2	300 V - 10 A 320 V - 16 A	300 V - 10 A 320 V - 16 A	300 V - 10 A 630 V - 16 A	1000 V - 16 A
		IEC 60664	degree	3	250 V - 16 A	320 V - 16 A	400 V - 16 A	1000 V - 16 A
Jse group	Poliution degree	Rated Insulation	Rated					
В		voltage 250 V	- 16 A		UL 508 (C) 250 V - 16 A	UL 508 (C) 250 V - 16 A		
С		-	-		-	-		
D		300 V	- 10 A		300 V - 10 A UL 840	300 V - 10 A UL 840		
	2		- 16 A		320 V - 16 A	320 V - 16 A		
	3	250 V	- 16 A		250 V - 16 A UL 508 (C)	250 V - 16 A UL 508 (C)		
В		250 V	- 16 A		250 V - 16 A	250 V - 16 A		
C D		300 V	- 10 A		300 V - 10 A	300 V - 10 A		
		300.1	107		UL 840	UL 840		
	3		- 16 A		320 V - 16 A 250 V - 16 A	320 V - 16 A 250 V - 16 A		
					UL 508 (C)	UL 508 (C)		
B C		250 V	- 16 A		250 V - 16 A	250 V - 16 A		
D		300 V	- 10 A		300 V - 10 A	300 V - 10 A		
	2	320 V	- 16 A		UL 840 320 V - 16 A	320 V - 16 A		
	3	250 V	- 16 A		250 V - 16 A	250 V - 16 A		
В		250 V	- 16 A		UL 508 (C) 250 V - 16 A	UL 508 (C) 250 V - 16 A		
C		200.1/			200 V 40 A	300 V 40 A		
D		300 V	- 10 A		300 V - 10 A UL 840	300 V - 10 A UL 840		
	2		- 16 A		320 V - 16 A 250 V - 16 A	320 V - 16 A 250 V - 16 A		
			107		UL 508 (C)	UL 508 (C)		
B C		250 V	- 16 A		250 V - 16 A	250 V - 16 A		
D			- 10 A		300 V - 10 A	300 V - 10 A		
	2	320 V	- 16 A		320 V - 16 A	UL 840 320 V - 16 A		
	3		- 16 A		250 V - 16 A	320 V - 16 A		
В		600 V	- 18.5 A				UL 508 (C) 250 V - 18.5 A	UL 508 (C) 600 V - 16 A
C		600 V	- 18.5 A					600 V - 16 A
D		-					300 V - 10 A UL 840	UL 840
	2		- 16 A				630 V - 16 A	1000 V - 16 A
	3	1000 V	- 16 A				400 V - 16 A UL 508 (C)	1000 V - 16 A UL 508 (C)
В			- 16 A				250 V 16 A	250 V - 16 A
C D		20000	- 10 A				300 V 10 A	300 V - 10 A
							UL 840	UL 840
	3	630 V	- 16 A				630 V - 16 A 400 V - 16 A	630 V - 16 A 630 V - 16 A
			And an artist of the second					

# Plug-in connectors for conductor cross sections up to 6 mm<sup>2</sup>



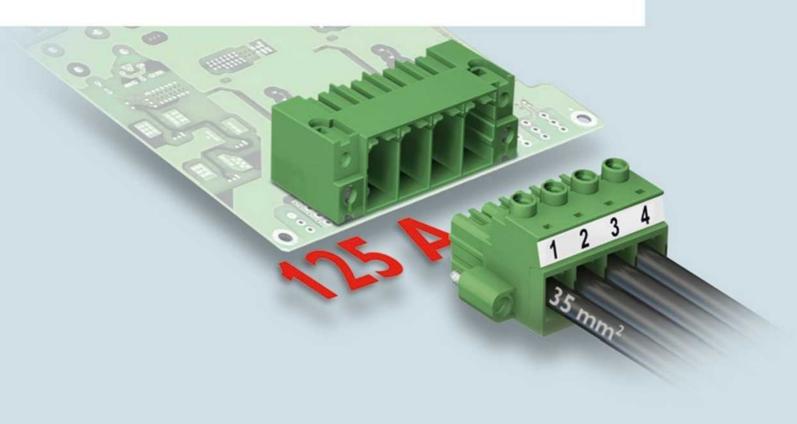
			7.62 mm pitch				
	AWG 30 – 10				AWG 24 - 8		
	4 mm <sup>2</sup>				6 mm <sup>2</sup>		
DFK-PC 4G-7,62-FS4,8	DFK-PC 4GF-7,62	PCVK 4-7,62	PC(Y) S/G(U)-7,62	500 V UL IPC 5/_ST(GCL)-7,62	66666) 600 V UL ISPC 5/STGCL-7,62	COO V UL DFK-PC 5/ST-7,62	DFK-PC(V) 51G(U)-7,62
			PC(V) 5/GF(U)-7,62	600 V UL IPC 5/ST(G)F-7,62	600 V UL ISPC 5/ST(G)F-7,62	600 Y UL DFK-PC S/STF-7,62	DFK-PC(V) S/GF(U)-7,62
200 V	200 V   20 A	200 V	300 V  -  41 A	600 V UL IPC S/ST(G)F-SH-7,62 600 V I. 41 A	600 V - 35 A	Name and Address of the Address of t	DFK-PC 5/GF(U)-SH-7,62
300 V - 20 A 300 V - 20 A	300 V - 20 A	300 V - 20 A	150 V - 41 A	600 V - 41 A	600 V - 35 A	600 V - 41 A	300 V - 41 A
	600 V - 5 A	600 V - S A					
400 V - 15 A	630 V - 20 A	630 V - 20 A	630 V - 41 A	1000 V - 41 A	1000 V - 41 A	1000 V - 41 A	630 V - 41 A
400 V  - 15 A	400 V - 20 A	500 V - 20 A	500 V - 41 A	1000 V - 41 A	1000 V - 41 A	1000 V - 41 A	500 V - 41 A
UL 508 (C)	UL 508 (C)	UL 508 (C)					
300 V - 20 A	300 V - 20 A	300 V - 20 A					
300 V - 20 A	300 V - 20 A 600 V - 5 A	300 V - 20 A 600 V - 5 A					
UL 840	UL 840	UL 840					
-	-	-					
-	-	-		100 000 000	111 FAR (B)	111 710 100	111 744 (6)
UL 508 (C) 300 V - 20 A	UL 508 (C) 300 V - 20 A	UL 508 (C) 300 V - 20 A	UL 508 (C) 300 V - 41 A	600 V - 41 A	600 V - 35 A	600 V - 41 A	UL 508 (C) 300 V - 41 A
300 V - 20 A	300 V - 20 A	300 V - 20 A	150 V - 41 A	600 V - 41 A	600 V - 35 A	600 V - 41 A	150 V - 41 A
	600 V - 5 A	600 V - 5 A	-	-	-	-	-
UL 840	UL 840	UL 840	UL 840	UL 840	UL 840	UL 840	UL 840
400 V - 20 A	630 V - 20 A	630 V - 20 A	630 V - 41 A	1000 V - 41 A	1000 V - 35 A	1000 V - 41 A	630 V - 41 A
400 V - 20 A UL 508 (C)	400 V - 20 A	500 V - 20 A UL 508 (C)	500 V - 41 A	1000 V - 41 A	1000 V - 35 A	1000 V - 41 A	500 V - 41 A
300 V - 20 A	300 V - 20 A	300 V - 20 A	300 V - 35 A	600 V - 35 A	600 V - 35 A	600 V - 35 A	300 V - 35 A
300 V - 20 A	300 V - 20 A	300 V - 20 A	150 V - 35 A	600 V - 35 A	600 V - 35 A	600 V - 35 A	150 V - 35 A
-	600 V - 5 A	600 V - 5 A	-		-	-	-
UL 840	UL 840	UL 840	UL 840	UL 840	UL 840	UL 840	UL 840
400 V - 20 A 400 V - 20 A	630 V - 20 A	630 V - 20 A 500 V - 20 A	630 V - 35 A 500 V - 35 A	1000 V - 35 A	1000 V - 35 A	1000 V - 35 A 1000 V - 35 A	630 V - 35 A
UL 508 (C)	400 V - 20 A UL 508 (C)	300 T - 20 M	UL 508 (C)	1000 V - 35 A UL 508 (C)	1000 V - 35 A UL 508 (C)	UL 508 (C)	UL 508 (C)
300 V - 20 A	300 V - 20 A		300 V - 31 A	600 V - 31 A	600 V - 31 A	600 V - 31 A	300 V - 31 A
300 V - 20 A	300 V - 20 A		150 V - 31 A	600 V - 31 A	600 V - 31 A	600 V - 31 A	150 V - 31 A
	600 V - 5 A		-	-	-	-	-
400 V - 20 A	630 V - 20 A		630 V - 31 A	UL 840 1000 V - 31 A	UL 840 1000 V - 31 A	UL 840 1000 V - 31 A	630 V - 31 A
	400 V - 20 A		500 V - 31 A	1000 V - 31 A	1000 V - 31 A	1000 V - 31 A	500 V - 31 A
400 V - 20 A			UL 508 (C)	UL 508 (C)	UL 508 (C)	Total Control of Contr	
400 V - 20 A				THE RESERVE AND THE PERSON NAMED IN COLUMN TWO IN COLUMN T	DARRES DE L		
400 V - 20 A			300 V - 41 A	300 V - 41 A	300 V - 35 A		
400 V - 20 A			300 V - 41 A 150 V - 41 A	300 V - 41 A	300 V - 35 A		
400 V - 20 A			150 V - 41 A	300 V - 41 A 600 V - 5 A	300 V - 35 A 600 V - 5 A		
400 V - 20 A			Contract Con	300 V - 41 A	300 V - 35 A		

# Plug-in connectors for conductor cross sections up to 16 mm<sup>2</sup>

									UL 1059	User
				Female contacts					IEC 60664	Pollution degree
			Standard	Flange	Shield	Approval	Use group	Pollution degree	Rated insulation voltage	Rated ourrent
	00		THERE	22220		T	8		600 V	- 50 A
	2	3	ENHAR	G THE STATE OF THE	Summary.	UL 1059	C		600 V	- 50 A
	AWG 20	6 mm²	600 V UL	600 V UL	600 Y UL		D		-	
	₹					IEC 60664		2	1000	- 41 A
	H		PC(U) 6/\$T-10,16	PC 6/STF-10,16	PC 6/STF-SH-10,16	ILC GOODS		3	1000 V	- 41 A
				Maleria.	A CONTRACTOR OF THE PARTY OF TH		В		600 V	- 55 A
			-		Person.	UL 1059	C			- 55 A
			ALC: UNITED IN	· 发展提供 (a)		1	D		-	
			600 V UL	600 Y UL	600 Y UL			2	1000 V	- 76 A
			PC 16/ST-10,16	PC 16/STF-10,16	PC 16/STF-SH-10,16	IEC 60664		3	1000 V	76 A
			Atten	Atten						
			alalala a	Total Partie		UL 1059	В			- 60 A
			The state of the s	alalala		OL 1059	C			- 60 A
			600 Y UL 1111	600 Y UL						
			700 111 071011	700111		IEC 60664		2		- 76 A
10.16 mm pitch		-	TPC 16/ST-10,16	TPC 16/STF-10,16				3	1000 V	- 76 A
pid	9-						В		300 V	- 66 A
Ε	2			AL PROPERTY.		UL 1059	C		300 V	- 66 A
Ξ	AWG 20		Control of the second	alabele (m)			D		600 V	- 5 A
9	\{	44		THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NAM		IEC 60664		2	1000 V	- 76 A
0		mm,	IPC(V) 16/G(U)-10,16	IPC(V) 16/GF(U)-10,16		IEC 60069		3	1000 V	- 76 A
land.		16	-	State of the last	Dec. Town		В		300 V	- 66 A
			Trivial of the	A CIPITAL H	DUBUIC II	UL 1059	C		300 V	- 66 A
			The state of the s	DEDUCTO :	The state of the s	1	D		600 V	- 5 A
			DAMAGA.	11 G9900	गण्या र्			2	1000 V	- 76 A
			DFK-IPC(V) 16/G(U)-10,16	DFK-IPC(V) 16/GF(U)-10,16	DFK-IPC16/GF(U)-SH-10,16	IEC 60664		3		- 76 A
			COURT		-	UL 1059	B C		600 V	- 55 A - 55 A
			Distriction	00000 T	000000 TI	OL 1037	D		and the second second second	- 33 A
			600 Y UL	600 Y UL	600 Y UL					
			DFK-IPC 16/ST-10,16	DFK-IPC 16/STF-10,16	DFK-IPC 16/STF-SH-10,16	IEC 60664		3		- 76 A - 76 A
	H	-	DFK-IPC 16/51-10,16	DFK-IPC 10r511-10,16	DFK-IPC 10/51F-5H-10,16			3	1000 V	- 76 A
	4			The state of the s	1200-06	K.	В			- 66 A
	8		CO C R R.	00000	100000	UL 1059	C		600 V	- 66 A
	AWG 18		600 V UL	600 Y UL	600 V UL		D		-	-
	¥					IEC 60664		2	1000 V	- 76 A
			SPC 16/ST-10,16	SPC 16/STF-10,16	SPC 16/STF-SH-10,16	IEC 00009		3	1000 V	- 76 A

			10.16 mm pitch		
			AWG 18 - 6		
			16 mm <sup>2</sup>		
Standard	NAME OF THE PERSON	600 V UL	600 V UL	propositi	SECONDIA SECONDIA
	PC(V) 6-16 /G1(U)-10,16	IPC 16 /ST-10,16	ISPC 16 /ST-10,16	DFK-PC 6-16/G(U)-10,16	DFK-PC 16/ST-10,16
Flange	PC(V) 6-16/G1F(U)-10,16	800 V UL IPC 16/ST(G)F-10,16	600 V UL ISPC 16/ST(G)F-10,16	DFK-PC 6-16/GF(U)-10,16	600 V UL  DFK-PC 16/STF-10,16
Shield		600 V UL  IPC 16/ST(G)F-SH-10,16		DFK-PC 6-16/GF(U)-SH-10,16	000 Y UL  DFK-PC 16/STF-SH-10,16
В	300 V  - 66 A	600 V - 55 A	600 V - 66 A	300 V - 66 A	600 V - 55 A
C	300 V - 66 A	600 V - 55 A	600 V - 66 A	300 V - 66 A	600 V - SS A
D 2 3	600 V - 5 A 1000 V - 76 A 1000 V - 76 A	1000 V - 76 A 1000 V - 76 A	1000 V - 76 A 1000 V - 76 A	600 V - 5 A 1000 V - 76 A 1000 V - 76 A	1000 V - 76 A 1000 V - 76 A
	THE COLUMN	III FAC (C)	111 (240 (40)	IN 540 (C)	111 545 (6)
	UL 508 (C) 300 V - 50 A	UL 508 (C) 600 V - 50 A	UL 508 (C) 600 V - 50 A	UL 508 (C) 300 V - 50 A	UL 508 (C) 600 V - 50 A
	300 V - 50 A	600 V - 50 A	600 V - 50 A	300 V - 50 A	600 V - 50 A
	600 V - 5 A UL 840	UL 840	UL 840	600 V - 5 A UL 840	UL 840
	1000 V - S0 A	1000 V - 50 A	1000 V - 50 A	1000 V - 50 A	1000 V - 50 A
	1000 V - 50 A	1000 V - 50 A	1000 V - 50 A	1000 V - 50 A	1000 V - 50 A
	UL 508 (C) 300 V - 55 A	600 V - 55 A	UL 508 (C) 600 V - 55 A	UL 508 (C) 300 V - 55 A	600 V - SS A
	300 V - 55 A	600 V - 55 A	600 V - 55 A	300 V - 55 A	600 V - 55 A
	600 V - 5 A			600 V - 5 A	
	1000 V - SS A	1000 V - 55 A	UL 840 1000 V - 55 A	UL 840 1000 V - 55 A	UL 840 1000 V - SS A
	1000 V - 55 A	1000 V - 55 A	1000 V - 55 A	1000 V - 55 A	1000 V - 55 A
	UL 508 (C) 300 V - 60 A	UL 508 (C) 600 V - 55 A	UL 508 (C) 600 V - 60 A	UL 508 (C) 300 V - 60 A	UL 508 (C) 600 V - 55 A
	300 V - 60 A	600 V - 55 A	600 V - 60 A	300 V - 60 A	600 V - 55 A
	600 V - 5 A	-		600 V - 5 A	
	UL 840 1000 V - 60 A	UL 840 1000 V - 55 A	UL 840 1000 V - 60 A	UL 840 1000 V - 60 A	UL 840 1000 V - 55 A
	1000 V - 60 A	1000 V - 55 A	1000 V - 60 A	1000 V - 60 A	1000 V - 55 A
	UL 508 (C)	UL 508 (C)	UL 508 (C)		
	300 V - 66 A 300 V - 66 A	300 V - SS A 300 V - SS A	300 V - 66 A		
	600 V - 5 A	600 V - 5 A	600 V - 5 A		
	UL 840 1000 V - 66 A	UL 840 1000 V - 55 A	UL 840 1000 V - 66 A		
	1000 V - 66 A	1000 V - SS A	1000 V - 66 A		
		UL 508 (C)	UL 508 (C)		
		300 V - 55 A 300 V - 55 A	300 V - 66 A 300 V - 66 A		
		600 V - S A	600 V - 5 A		
		UL 840	UL 840		
		1000 V - 55 A 1000 V - 55 A	1000 V - 66 A 1000 V - 66 A		
		UL 508 (C)	UL 508 (C)		
		600 V - 55 A 600 V - 55 A	600 V - 55 A 600 V - 55 A		
		UL 840	UL 840		
		1000 V - 55 A 1000 V - 55 A	1000 V - 55 A 1000 V - 55 A	11	
	UL 508 (C)	UL 508 (C)	UL 508 (C)	UL 508 (C)	UL 508 (C)
	300 V - 66 A	600 V - 55 A	600 V - 66 A	300 V - 66 A	600 V - 55 A
	300 V - 66 A 600 V - 5 A	600 V - SS A	600 V - 66 A	300 V - 66 A 600 V - 5 A	600 V - 55 A
	UL 840	UL 840	UL 840	UL 840	UL 840
	1000 V - 66 A	1000 V - 55 A	1000 V - 66 A	1000 V - 66 A	1000 V - 55 A
	1000 V - 66 A	1000 V - 55 A	1000 V - 66 A	1000 V - 66 A	1000 V - 55 A

# Plug-in connectors for conductor cross sections up to 35 mm<sup>2</sup>



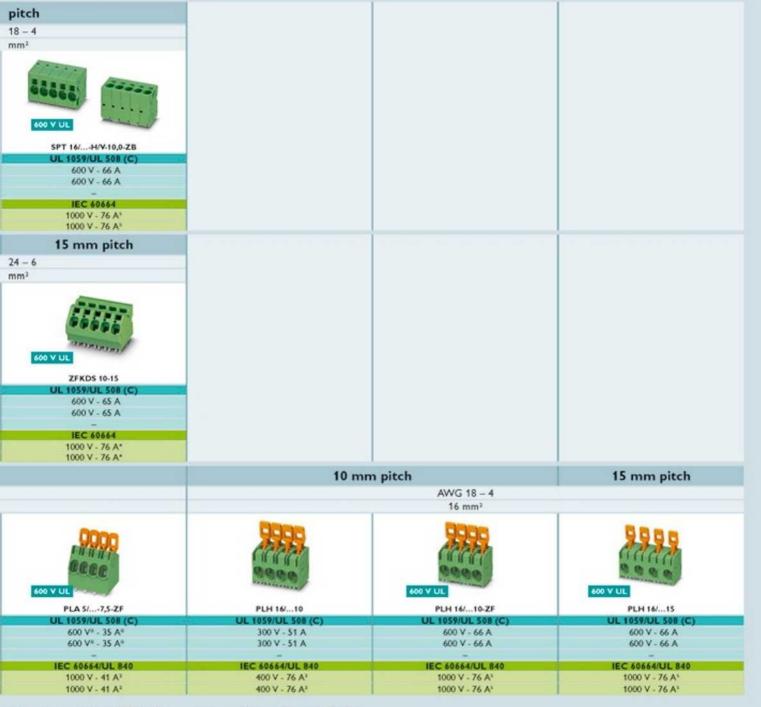
								UL 1059	
			Fema	le contacts				IEC 60664	
			Flange	Shield	Approval	Use group	Pollution degree	Rated insulation voltage	
			Bassa		1	В		600 V	
			( Upper )		UL 1059	C D		600 V	
			600 Y UL	400 Y UL			2	1000 V	
_			PC 35 HC/STF-15,0	PC 35 HC/4-STF-SH-15,0	IEC 60664		3	1000 V	-
itch	- 5		Flattation we	- mummum marie		В		600 V	100
d u	20	35 mm²	66661	166600 5	UL 1059	C D		600 V	
15 mm pitch	AWG 20-	35	600 V UL	600 V UL			2	1000 V	
15	1	_	IPC 35 HC/GF	DFK-IPC 35 HC/GF-15,00	IEC 60664		3	1000 V	-
			comme	Amm.	-	В		600 V	
					UL 1059	C		600 V	
			600 V UL	400 V UL					
			IPCV 35 HC/GF	DFK-IPCV 35 HC/GF-15,00	IEC 60664		2	1000 V	

					15 r	nm p	itch			
		AWG 20 – 2								
					35 mm <sup>2</sup>					
Male contacts	Flange	600 V UL	) 35/G	P-15,0	600 Y UL	S HC/	STF	600 Y UL	S HC/	STGF
Male co	Shield	Shield Sh		18	FIG FIE		600 V UL	AND VIII		
			S/4-GF-SH			HC/4-5			HC/4-51	
	В	600 V		115 A	600 V	-	115 A	600 V		115 A
se group	С	600 V	-	115 A	600 V	-	115 A	600 V		115 A
	D	-			-		-	-		-
ollution degree	3	1000 V 1000 V		125 A 125 A	1000 V	-	125 A 125 A	1000 V 1000 V	-	125 A 125 A
sted current							122.00			A.C
		- 1	IL 508 (	CI		L 508 (	C)		L 508 (	C)
115 A				115 A			115 A			115 A
115 A				115 A			115 A			115 A
-			_	11375		-	11001		-	11271
			UL 840		1	UL 840			UL 84	
125 A		1000 V								
125 A		1000 V			0.0000000000000000000000000000000000000		100000	1000 V		
7,800,71			IL 508 (		THE PERSON NAMED IN COLUMN TO SERVICE AND ADDRESS OF THE PERSON NAMED IN COLUMN TO SE	L 508 (			L 508 (	
115 A				115 A	600 V					115 A
115 A		600 V			600 V					115 A
-			-	1102000		-	1,000/10	25000000	-	3112100
			UL 840			UL 840			UL 840	)
125 A		1000 V	-			1907				
125 A		1000 V		115 A	-0100000		115 A	1000 V		
			JL 508 (			L 508 (			L 508 (	
115 A		600 V		115 A	600 V		115 A	600 V		
115 A				115 A			115 A			115 A
115 A			-			-			1944	
100000000			UL 840	ř.		UL 840			UL 840	)
125 A		1000 V		115 A	1000 V	747		1000 V		115 A
125 A		1000 V		115 A	1000 V		115 A	1000 V		115 A

# PCB terminal blocks with spring connection for conductor cross sections up to 16 mm<sup>2</sup>

				7.5 m	m pitch	10 mm
	Approval	Use group	Pollution degree	AWC	3 24 - 8	AWG
ction				6	mm²	16
Push-in spring connection					600 Y UL	6)
l s				SPT 5/1-H/V-7,5	SPT 5/H/V-7,5-ZB	SPT 16/1-H/V-10,0
7		В		UL 1059/UL 508 (C) 300 V - 35 A	UL 1059/UL 508 (C) 600 V - 35 A	UL 1059/UL 508 (C) 300 V - 66 A
is	UL 1059	C		150 V - 35 A	600 V - 35 A	150 V - 66 A
2		D		600 V - 5 A		300 V - 10 A
				IEC 60664/UL 840	IEC 60664/UL 840	IEC 60664
	IEC 60664		2	1000 V - 41 A <sup>2</sup>	1000 V - 41 A <sup>2</sup>	400 V - 76 A <sup>s</sup>
	1.000		3	800 V - 41 A <sup>2</sup>	800 V - 41 A <sup>2</sup>	400 V - 76 A <sup>4</sup>
				7.5 mm pitch	10 mm	pitch
	Approval	Use group	Pollution degree	AWG	24 – 10	AWG
=				4	mm²	16
.0					_	
Spring-cage connection				See .	HIII)	00000
S-Ca				ZFKDS 4-7,5	ZFKDS 4-10	ZFKDS 10-10
2				UL 1059/UL 508 (C)	UL 1059/UL 508 (C)	UL 1059/UL 508 (C)
2		В		300 V - 30 A	300 V - 30 A	300 V - 65 A
S	UL 1059	C D		150 V - 30 A	150 V - 30 A	150 V - 65 A
		U		300 V - 10 A IEC 60664/UL 840	600 V - 5 A IEC 60664/UL 840	300 V - 10 A IEC 60664
	the second second		2	630 V - 32 A <sup>1</sup>	630 V - 32 A'	400 V - 76 A*
	IEC 60664		3	500 V - 32 A'	630 V - 32 A'	320 V - 76 A*
					7.5 mr	m pitch
=	Approval	Use group	Pollution degree			24 – 8
ţ;					6 n	nm²
Push-lock spring connection					COO Y UL	
×				PLH 5/1-7,5	PLH 5/7,5-ZF	PLA 5/1-7,5
0				UL 1059/UL 508 (C)	UL 1059/UL 508 (C)	UL 1059/UL 508 (C)
-		В		300 V* - 35 A*	600 V* - 35 A*	300 V* - 35 A*
등	UL 1059	С		300 V* - 35 A*	600 V* - 35 A*	300 V* - 35 A*
3		D		600 V* - 5 A*		600 Vs - 5 As
				IEC 60664/UL 840	IEC 60664/UL 840	IEC 60664/UL 840
	IEC 60664		2	1000 V - 41 A <sup>2</sup> 1000 V - 41 A <sup>2</sup>	1000 V - 41 A <sup>2</sup> 1000 V - 41 A <sup>2</sup>	1000 V - 41 A <sup>3</sup> 1000 V - 41 A <sup>3</sup>
			3	1000 Y - 41 A	1000 A - 41 W.	1000 A - 41 W.

<sup>\*</sup> The specified UL value will be expected during inspection. The corresponding approval for this product is in preparation.



- Current value according to UL 840: 30 A
- <sup>2</sup> Current value according to UL 840: 35 A
- <sup>3</sup> Current value according to UL 840: 51 A
- Current value according to UL 840: 65 A
- 5 Current value according to UL 840: 66 A

# PCB terminal blocks with screw connection for conductor cross sections up to 25 mm<sup>2</sup>

Approval	Use group	Pollution degree		
		100000		
			60000	No. of Concession, Name of Street, or other party of the Concession, Name of Street, or other pa
				Minimum
			<b>有用品面包</b>	Zim
			MKDS 5/6,35	SMKDS 5/6,35
7	В		UL 1059/UL 508 (C) 300 V - 30 A	UL 1059/UL 508 (C) 250 V - 30 A
UL 1059	C			-
لا	D		300 V - 10 A	300 V - 10 A
		2	630 V - 32 A'	IEC 60664/UL 840 630 V - 32 A'
IEC 60664		3	500 V - 32 A*	500 V - 32 A*
				9.5 mm pitch
				9.5 mm piccii
Approval	Use group	Pollution degree		
			The same of the sa	2222
			THE PARTY OF	图 图 图 图 四
				The same of the sa
				CAMPO EL A E
			MKDS 5/9,5 UL 1059/UL 308 (C)	SMKDS 5/9,5 UL 1059/UL 508 (C)
	В		300 V - 30 A	250 V - 30 A
UL 1059	C		300 V - 30 A	300 V - 30 A
والمستحد	D		600 V - 5 A	
		2	IEC 60664/UL 840 1000 V - 32 A1	IEC 60664/UL 840 1000 V - 32 A*
IEC 60664		3	690 V - 32 A'	690 V - 32 A*
			6.35 mm pitch	7.62 mm pitch
Approval	Use group	Pollution degree	AWG:	24 – 10
			4 1	mm²
			ALLES TO SERVICE STATE OF THE PARTY OF THE P	Busing .
			No. of the last of	2000
			iiiii	
			FRONT 4-H/V-6,35 UL 1059/UL 508 (C)	FRONT 4-H/Y-7,62 UL 1059/UL 508 (C)
	В		250 V - 30 A	250 V - 30 A
UL 1059	C		-	
L Company	D		300 V - 10 A	300 V - 10 A
		2	IEC 60664/UL 840 320 V - 32 A'	IEC 60664/UL 840 630 V - 32 A¹
IEC 60664		3	320 V - 32 A'	500 V - 32 A*
				10.16 mm pitch
		1111		
Approval	Use group	Pollution degree		AV
				T
			The same of the sa	
			MERKE	
			MKDSP 10 HV/10,16	MKDSP 10 N/10,16
			UL 1059/UL 508 (C)	UL 1059/UL 508 (C)
11	В		300 V - 60 A	300 V - 60 A
UL 1059	C		300 V - 60 A	300 V - 60 A
	D		600 V - 5 A IEC 60664	600 V - 5 A
			The America	IEC 60664
IEC 60664		2	1000 V - 76 A <sup>3</sup>	1000 V - 76 A <sup>2</sup>

6.35 mm pitch		7.62 mm pitch
AWG 24 - 10		
4 mm <sup>2</sup>		
Monn	Section 1	Ette.
Alexand .		
The same of the sa	Mit In the second	<b>用耳耳</b> = -
TOWNS !	400 V UL	
MKKDS 5/6,35	MKDS 5N HV/ZB-6,35	MKDS 5/7,62
UL 1059/UL 508 (C)	UL 1059/UL 508 (C)	UL 1059/UL 508 (C)
300 V - 30 A	600 V - 30 A	300 V - 30 A
300 V - 10 A	600 V - 30 A	300 V - 10 A
IEC 60664/UL 840	IEC 60664/UL 840	IEC 60664/UL 840
630 V - 32 A'	1000 V - 41 A1	630 V - 32 A¹
500 V - 32 A1	800 V - 41 A1	500 V - 32 A1
	9.52	mm pitch
AWG 24 - 10		
4 mm²		
Banan	Anna	Ann-
<b>ENGINE</b>		Table 1
lat its just the lat.		
-		600 Y UL
MKKD\$ 5/9,5	MKDS 5 HV/9,52	MKDS 5 HV/9,52-Z
UL 1059/UL 508 (C)	UL 1059/UL 508 (C)	UL 1059/UL 508 (C)
300 V - 30 A	300 V - 30 A	600 V - 30 A
300 V - 30 A 600 V - 5 A	300 V - 30 A 600 V - 5 A	600 V = 30 A
IEC 60664/UL 840	IEC 60664/UL 840	IEC 60664/UL 840
1000 V - 32 A¹	1000 V - 32 A1	1000 V - 32 A¹
690 V - 32 A¹	800 V - 32 A <sup>4</sup>	690 V - 32 A¹
	10 r	nm pitch
		VG 24 – 6
		16 mm²
	Here	Mira.
	AFFER SSTEEL	Company SSEEM
	20344	10144 TO 144
	KDS 10(-PE)-SO	KDS 10(-PE)
	UL 1059/UL 508 (C)	UL 1059/UL 508 (C)
	250 V - 65 A	250 V - 65 A
	300 V - 65 A	300 V - 65 A
	600 V - 5 A	600 V - 5 A
	IEC 60664 630 V - 76 A	IEC 60664 320 V - 76 A
	630 V - 76 A	250 V - 76 A
	12.7 mm pitch	15 mm pitch
- 6	, , , , , , , , , , , , , , , , , , , ,	AWG 20 – 2
2		25 mm²
The state of the s	Contract of the Contract of th	Conn
and the san and the	<b>《</b>	Bank Conne
600 Y UL	600 V UL	600 Y UL
MKDS 10 HV/ZB10,16	MKDSP 10 HV/12,7	MKDSP 25/15(-F)
UL 1059/UL 508 (C)	UL 1059/UL 508 (C)	UL 1059/UL 508 (C)
600 V - 60 A	600 V - 60 A	600 V - 115 A
600 V - 60 A	600 V - 60 A	600 V - 115 A
IEC 60664	IEC 60664	IPC (NIII
1000 V - 76 A <sup>3</sup>	1000 V - 76 A <sup>2</sup>	IEC 60664 1000 V - 125 A <sup>3</sup>
10001-707	1000 T - 70 A	1000 T - 163 A

Current value according to UL 840: 30 A
 Current value according to UL 840: 60 A
 Current value according to UL 840: 115 A

Feed-through terminal blocks with screw connection and push-in spring connection for conductor cross sections up to 95 mm<sup>2</sup>

						AWG 24 - 12
						4 n
						PW 4
	Push-in spring connection	Screw connection	Approval	Use group	Pollution degree	
		do		8		
Horizontal		ALLE DO	UL 1059	С		- 1
conductor		410		D		
connection		17				
connection		UW	IEC 60664		2	
		OW			3	
		ph-		В		
Vertical		26-10	UL 1059	Č		
conductor		400	Sile issee.	D		
connection						
33.0013.00000		V	IEC 60664		2	
		UWV	1E.C. 00004		3	
Horizontal	A	4				UL 1059/UL 508 (C)
conductor	(FIVA	697	00.000	В		300 V - 30 A
	350	4500	UL 1059	C		300 V - 30 A 600 V - 5 A
connection	74900	THE		D		IEC 60664/UL 840
Molded terminal			THE RESERVE AND THE		2	1000 V - 20 A
block	PW 4-POT	UWPOT	IEC 60664		3	800 V - 20 A
Control of the Contro		- 4				
Vertical		400		8		
conductor		6-12	UL 1059	C		
connection		123/		D		
Molded terminal		1				
block		Inter por	IEC 60664		2	
		UWVPOT	100000000000000000000000000000000000000		3	

<sup>1</sup> The voltage specifications apply for mounting on a conductive housing panel and when using spacer plates.

### Type designation







UW/HDFK · Screw connection with tension sleeve

	Co	onductor cross section	on		
AWG 24 - 10	AWG 20 - 6	AWG 10 - 4	AWG 10 - 2	AWG 6 - 0	42 - 133 kcmil
2	10 mm <sup>2</sup>	16 mm²	25 mm <sup>2</sup>	50 mm <sup>2</sup>	95 mm²
UW4	UW10	UW16	UW25	HDFK50	HDFK95
UL 1059/UL 508 (C)	UL 1059/UL 508 (C)	UL 1059/UL 508 (C)	UL 1059/UL 508 (C)	UL 1059/UL 508 (C)	UL 1059/UL 508 (C)
300 V 1 - 30 A	300 V 1 - 65 A	600 V 1 - 85 A	600 V 1 - 112.5 A	600 V - 150 A	600 V - 230 A
300 V 1 - 30 A	300 V 1 - 65 A	600 V 1 - 85 A	600 V 1 - 112.5 A	600 V - 150 A	600 V - 230 A
600 V 1 - 5 A	600 V 1 - 5 A	_	_	-	
IEC 60664/UL 840	IEC 60664/UL 840	IEC 60664/UL 840	IEC 60664/UL 840	IEC 60664/UL 840	IEC 60664/UL 840
630 V 1 - 41 A	630 V * - 76 A	1000 V 1 - 101 A	1000 V 1 - 125 A	1000 V - 150 A	1000 V - 232 A
500 V 1 - 41 A	500 V 1 - 76 A	800 V 1 - 101 A	800 V 1 - 125 A	690 V - 150 A	1000 V - 232 A
UL 1059/UL 508 (C)	UL 1059/UL 508 (C)	UL 1059/UL 508 (C)	UL 1059/UL 508 (C)	UL 1059/UL 508 (C)	UL 1059/UL 508 (C)
300 V 1 - 30 A	300 V 1 - 65 A	600 V 1 - 85 A	600 V 1 - 112.5 A	600 V - 150 A	600 V - 230 A
300 V * - 30 A	300 V 1 - 65 A	600 V 1 - 85 A	600 V 1 - 112.5 A	600 V - 150 A	600 V - 230 A
600 V 1 - 5 A	600 V 1 - 5 A		-	-	-
IEC 60664/UL 840	IEC 60664/UL 840	IEC 60664/UL 840	IEC 60664/UL 840	IEC 60664/UL 840	IEC 60664/UL 840
630 V 1 - 41 A	630 V 1 - 76 A	1000 V 1 - 101 A	1000 V 1 - 125 A	1000 V - 150 A	1000 V - 232 A
500 V 1 - 41 A	500 V 1 - 76 A	800 V 1 - 101 A	800 V 1 - 125 A	690 V - 150 A	1000 V - 232 A
UL 1059/UL 508 (C)	UL 1059/UL 508 (C)	UL 1059/UL 508 (C)	UL 1059/UL 508 (C)	UL 1059/UL 508 (C)	UL 1059/UL 508 (C)
300 V * - 30 A	300 V 1 - 65 A	600 V ' - 85 A	600 V 1 - 112.5 A	600 V - 150 A	600 V - 230 A
300 V 1 - 30 A	300 V 1 - 65 A	600 V 1 - 85 A	600 V 1 - 112.5 A	600 V - 150 A	600 V - 230 A
600 V 1 - 5 A	600 V 1 - S A	-	-	-	
IEC 60664/UL 840	IEC 60664/UL 840	IEC 60664/UL 840	IEC 60664/UL 840	IEC 60664/UL 840	IEC 60664/UL 840
630 V 1 - 41 A	630 V 1 - 76 A	1000 V 1 - 101 A	1000 V 1 - 125 A	1000 V - 150 A	1000 V - 232 A
500 V 1 - 41 A	500 V 1 - 76 A	800 V 1 - 101 A	800 V 1 - 125 A	690 V - 150 A	1000 V - 232 A
	UL 1059/UL 508 (C)	UL 1059/UL 508 (C)	UL 1059/UL 508 (C)	UL 1059/UL 508 (C)	
	300 V 1 - 65 A	600 V ' - 85 A	600 V 1 - 112.5 A	600 V - 150 A	
	300 V 1 - 65 A	600 V 1 - 85 A	600 V 1 - 112.5 A	600 V - 150 A	
	600 V 1 - 5 A	-	*	-	
	IEC 60664/UL 840	IEC 60664/UL 840	IEC 60664/UL 840	IEC 60664/UL 840	
	630 V * - 76 A	1000 V 1 - 101 A	1000 V 1 - 125 A	1000 V - 150 A	
	500 V 1 - 76 A	800 V 1 - 101 A	800 V ' - 125 A	690 V - 150 A	

Feed-through terminal blocks with bolt connection for conductor cross sections up to 150 mm<sup>2</sup>

						AWG 26 - 6	
					16 mm²		
					RW5	RWO5	
	Bolt connection	Approval	Use group	Pollution degree	UL 1059/UL 508 (C)	UL 1059/UL 508 (C)	
	eli-		В		600 V - 65 A	600 V - 65 A	
	All Da	UL 1059	C		600 V - 65 A	600 V - 65 A	
Horizontal	01000	March 1	D		-	-	
conductor					IEC 60664/UL 840	IEC 60664/UL 840	
connection	1	The second second		2	1000 V - 76 A	1000 V - 76 A	
	RW	IEC 60664		3	1000 V - 76 A	1000 V - 76 A	
	_A				UL 1059/UL 508 (C)	UL 1059/UL 508 (C)	
	Eller		В		600 V - 65 A	600 V - 65 A	
Vertical	RWY	UL 1059	C		600 V - 65 A	600 V - 65 A	
conductor		SAC TANGE	D			-	
connection			-		IEC 60664/UL 840	IEC 60664/UL 840	
connection		IEC 60664		2	1000 V - 76 A	1000 V - 76 A	
				3	1000 V - 76 A	1000 V - 76 A	
					UL 1059/UL 508 (C)	UL 1059/UL 508 (C)	
Horizontal	RW.,-POT	The second second	В		600 V - 65 A	600 V - 65 A	
conductor		UL 1059	C		600 V - 65 A	600 V - 65 A	
connection			D		000 1-0071	000 1 - 00 71	
Molded terminal					IEC 60664/UL 840	IEC 60664/UL 840	
		IEC 60664		2	1000 V - 76 A	1000 V - 76 A	
block				3	1000 V - 76 A	1000 V - 76 A	
	RWFOI			,	UL 1059/UL 508 (C)	UL 1059/UL 508 (C)	
Vertical			В		600 V - 65 A	600 V - 65 A	
conductor		UL 1059	C		600 V - 65 A	600 V - 65 A	
		OL 1039	D		000 Y - 63 M	900 A - 92 W	
connection			U		IEC 60664/UL 840	IEC 60664/UL 840	
Molded terminal		_			1000 V - 76 A	1000 V - 76 A	
block	RWYPOT	IEC 60664		2			
	RWVPOT			3	1000 V - 76 A	1000 V - 76 A	

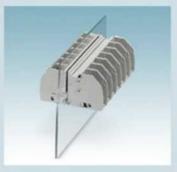
<sup>\*</sup> The specified UL value will be expected during inspection. The corresponding approval for this product is in preparation.

### Type designation



RW

· Bolt connection



**RWO** 

 Bolt connection, open version with hexagonal nut



 Bolt connection with transparent cover

	Conductor c	ross section				
	AWG 14 – 2 35 mm <sup>2</sup>			10 – 300 kcmil 150 mm³		
RWO5TC	RW8	RWO8	RWO8TC	RWO10	RWO10TC	
UL 1059/UL 508 (C)	UL 1059/UL 508 (C)	UL 1059/UL 508 (C)	UL 1059/UL 508 (C)	UL 1059/UL 508 (C)	UL 1059/UL 508 (C)	
600 V - 65 A	600 V - 115 A	600 V - 115 A	600 V - 115 A	600 V * - 225 A *	600 V * - 225 A *	
600 V - 65 A	600 V - 115 A	600 V - 115 A	600 V - 115 A	600 V * - 225 A *	600 V * - 225 A *	
					_	
IEC 60664/UL 840	IEC 60664/UL 840	IEC 60664/UL 840	IEC 60664/UL 840	IEC 60664/UL 840	IEC 60664/UL 840	
1000 V - 76 A	1000 V - 125 A	1000 V - 125 A	1000 V - 125 A	1000 V - 309 A	1000 V - 309 A	
1000 V - 76 A	1000 V - 125 A	1000 V - 125 A	1000 V - 125 A	1000 V - 309 A	1000 V - 309 A	
UL 1059/UL 508 (C)	UL 1059/UL 508 (C)	UL 1059/UL 508 (C)	UL 1059/UL 508 (C)			
600 V - 65 A	600 V - 115 A	600 V - 115 A	600 V - 115 A			
600 V - 65 A	600 V - 115 A	600 V - 115 A	600 V - 115 A			
_	-	-	-			
IEC 60664/UL 840	IEC 60664/UL 840	IEC 60664/UL 840	IEC 60664/UL 840			
1000 V - 76 A	1000 V - 125 A	1000 V - 125 A	1000 V - 125 A			
1000 V - 76 A	1000 V - 125 A	1000 V - 125 A	1000 V - 125 A			
UL 1059/UL 508 (C)	UL 1059/UL 508 (C)	UL 1059/UL 508 (C)	UL 1059/UL 508 (C)			
600 V - 65 A	600 V - 115 A	600 V - 115 A	600 V - 115 A			
600 V - 65 A	600 V - 115 A	600 V - 115 A	600 V - 115 A			
-						
IEC 60664/UL 840	IEC 60664/UL 840	IEC 60664/UL 840	IEC 60664/UL 840			
1000 V - 76 A	1000 V - 125 A	1000 V - 125 A	1000 V - 125 A			
1000 V - 76 A	1000 V - 125 A	1000 V - 125 A	1000 V - 125 A			
UL 1059/UL 508 (C)	UL 1059/UL 508 (C)	UL 1059/UL 508 (C)	UL 1059/UL 508 (C)			
600 V - 65 A	600 V - 115 A	600 V - 115 A	600 V - 115 A			
600 V - 65 A	600 V - 115 A	600 V - 115 A	600 V - 115 A			
-						
IEC 60664/UL 840	IEC 60664/UL 840	IEC 60664/UL 840	IEC 60664/UL 840			
1000 V - 76 A	1000 V - 125 A	1000 V - 125 A	1000 V - 125 A			
1000 V - 76 A	1000 V - 125 A	1000 V - 125 A	1000 V - 125 A			

## More than just average Our service - Added value for you

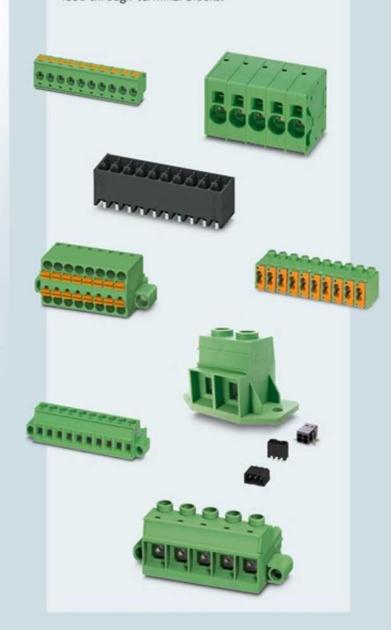
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