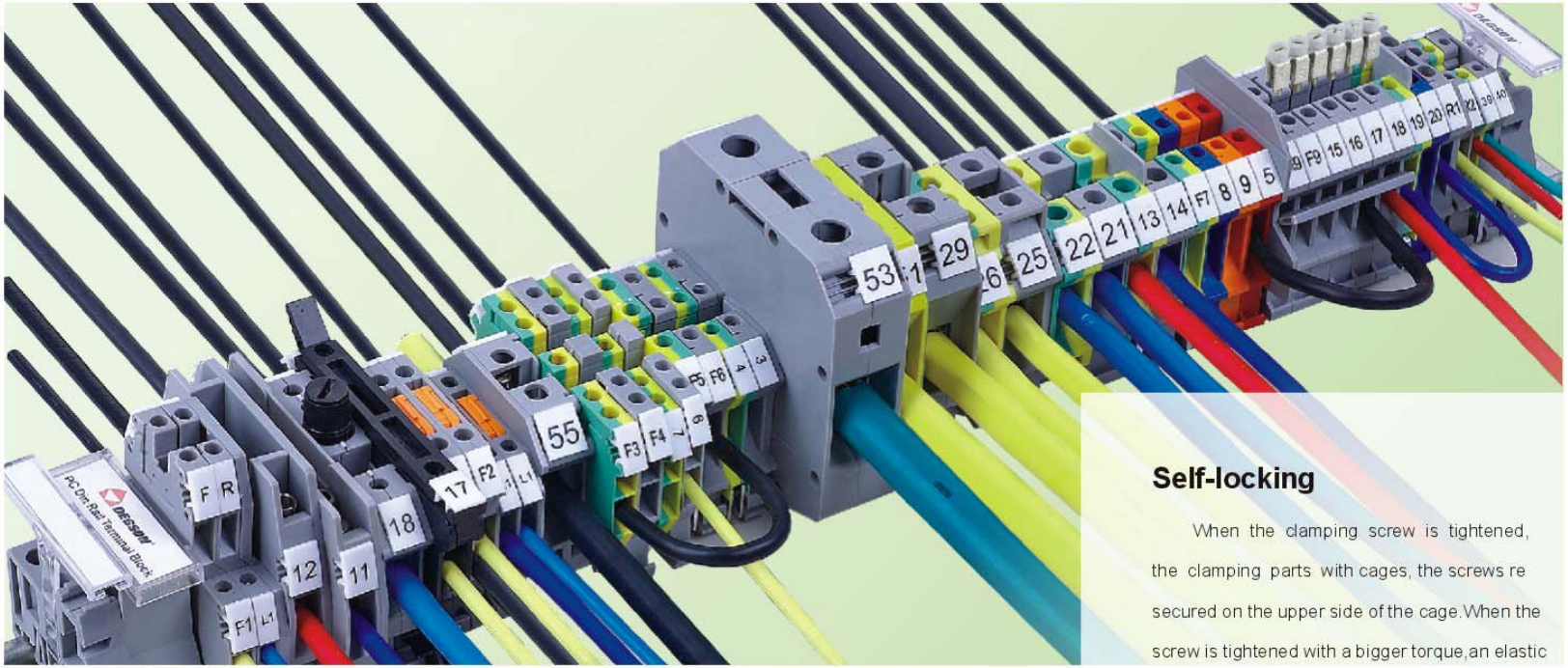
PC Series

PC copper alloy pressure clamp connection



PC copper alloy pressure clamp connection

※The insulator is made from PA66 , with excellent pliability and fire resistance.

※The blocks adopt copper alloy pressure clamp connection system with advantages of long-term protection from bad circumstance such as high humidity, salt spray.

※The unique pressure clamp connection with self-locking and loosening protection.

※The connect capacity ranges from 0.02 to 150 mm² with terminals of test, disconnection, fuse types etc.

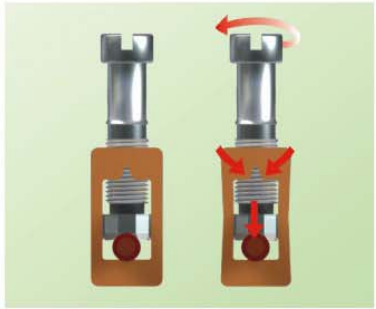
※Low voltage drop.

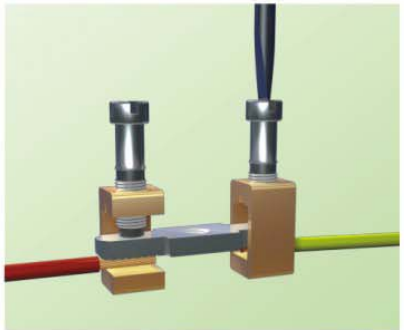
※High ratio of quality and price.

Self-locking

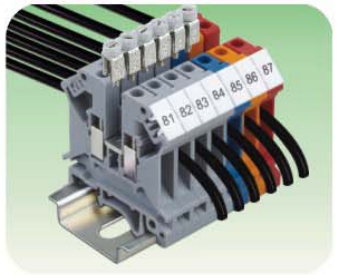
Self-locking

When the clamping screw is tightened, the clamping parts with cages, the screws re secured on the upper side of the cage.When the screw is tightened with a bigger torque,an elastic deformation occurs in the cage. In conjunction with the thread friction and the inherent elasticity of the cage material,this deformation effectively and progressively prevents the screw loosening, thus causing a locking action to be exerted on the screw. Once the conductor is tightened, it won't loose even under shaking,this keeps you free from maintenance in your long-term usage.





PC 2-Conductor types



Standard PC series terminal blocks,the insulator housings are made from PA66 , with excellent pliability and fire resistance,The blocks adopt copper alloy pressure clamp connection system with advantages of long-term protection from bad circumstance such as humidity, salt mist, etc. The design of the products are in accordance with international standards such as IEC60947, IEC60079, UL1059, UL486E, CSA C22.2 No.158. And have following advantages:

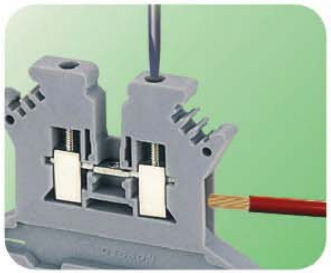
----With standard mounting support, terminal blocks can be fixed on both U type NS35 and G type NS32 rails.

----The current carriers of terminal blocks are made from pure copper, copper volume is more than 99%, with excellent lowest contact resistance and the best electrical conductivity.

----Uniform accessories, end cover, separating plate, end bracket, etc, covering a wide range of cross sections.

----Power distribution alternatively via fixed bridges in the terminal center or insertion bridges in the clamping space.

----Uniform marking methods with the ZB... marking system.



PC 1.5

RoHS REACH

	U [V]	I [A]	Wire size
IEC 60947-7-1	500	17.5	0.2-1.5mm²
UL 1059	600	10	26-16AWG

Specification		Type	I_{max}	Purchase Pkt.
Terminal block, with universal foot for mounting on ⎓/⎍/⎌		PC1.5		50
Cover		D-PC1.5		100
Fixed bridge	2P 3P 5P 10P	FBRI10-4	12A	10
Insertion bridge	2P 3P 10P			
Isolator bridge bar, 10P				
Bridge bar isolator				
Switching bridge				
Separating plate				
Partition plate ,thick1.5mm		ATP-PC		50
Test plug socket				
Test plug socket, insulated				
Zack strip		ZB4		
Screwdriver		SZS 0.4X2.5		
Technical data				
Dimensions				
T/W/C overthickness	[mm]	4.2/42.5/1.5		
Height (NS35:7.5/NS35:15/NS32)	[mm]	42/49.5/47		
Technical data in accordance with IEC/DIN VDE				
Maximum load current/cross section	[A][mm²]	17.5/1.5		
Max. Cross section with insertion bridge (solid/stranded)	[mm²]	-/-		
Rated surge voltage/Pollution degree	[KV/-]	6/3		
Overvoltage category/Insulating material group		III / I		
Connection capacity				
Stranded with ferrule without/with plastic sleeve	[mm²]	0.2-1.5/0.2-1.5		
Multiple connection(2 conductors with same cross section)				
Solid/stranded	[mm²]	0.2-0.75 / 0.2-0.75		
Stranded with ferrules without plastic sleeve	[mm²]	0.2-0.34		
Stranded with TWIN ferrule with plastic sleeve	[mm²]	0.5		
General data				
Stripping length	[mm]	7		
Internal cylindrical gage (IEC 60947-1)		A1		
Screwthread		M2		
Tightening torque	[Nm]	0.2		
Insulating material		PA		
Inflammability class acc. to UL94		V0		

PC 2.5B

RoHS REACH

	U [V]	I [A]	Wire size
IEC 60947-7-1	800	24	0.2-2.5mm²
UL 1059	600	20	24-12AWG

Type	I_{max}	Purchase Pkt.
PC2.5B		50
D-PC1.5		100
FBI 2-6 FBI 3-6 FBI 5-6 FBI 10-6	24A	10 10 10 10
EB 2-6 EB 3-6 EB10-6	24A	100 100 10
ISSBI 10-6		10
IS-K 4		100
USBR 2-7		1
TS-KK 3		100
ATP-PC		50
DSB 3/10/4		100
DSBJ 3/1 3/4		100
ZB 6		
SZS 0.6X3.5		
6.2/42.5/1.5 42/49.5/47		
24/2.5 2.5/2.5 8/3 III / I		
0.2-2.5/0.2-2.5		
0.2-1.5/0.2-1.5 0.2-1.5 0.5-1.5		
7 A3 M3 0.5 PA V0		

PC 2.5

RoHS REACH

	U [V]	I [A]	Wire size
IEC 60947-7-1	800	24	0.2-2.5mm²
UL 1059	600	20	24-12AWG

Type	I_{max}	Purchase Pkt.
PC2.5		50
D-PC2.5		200
FBRI 2-5 FBRI 3-5 FBRI 5-5 FBRI 10-5	24A	10 10 10 10
EB 2-5 EB 3-5 EB10-5	24A	10 10 10
TS-K		50
ATP-PC		50
DSB 3/10/4		100
DSBJ 3/1 3/4		100
ZB 5		
SZS 0.6X3.5		
5.2/42.5/1.6 47/54.5/52		
24/2.5 2.5/2.5 8/3 III / I		
0.2-2.5/0.2-2.5		
0.2-1.5/0.2-1.5 0.2-1.5 0.5-1		
8 A3 M3 0.5 PA V0		

PC 4

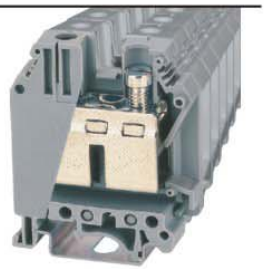
RoHS REACH

	U [V]	I [A]	Wire size
IEC 60947-7-1	800	32	0.2-4.0mm²
UL 1059	600	30	24-10AWG

Type	I_{max}	Purchase Pkt.
PC4		50
D-PC2.5		200
FBI 2-6 FBI 3-6 FBI 5-6 FBI 10-6	32A	10 10 10 10
EB 2-6 EB 3-6 EB10-6	32A	100 100 10
ISSBI 10-6		10
IS-K 4		100
USBR 2-7		1
TS-K		50
ATP-PC		50
DSB 3/10/4		100
DSBJ 3/1 3/4		100
ZB 6		
SZS 0.6X3.5		
6.2/42.5/1.6 47/54.5/52		
32/4 4/4 8/3 III / I		
0.2-4/0.2-4		
0.2-1.5/0.2-1.5 0.2-1.5 0.5-2.5		
8 A4 M3 0.5 PA V0		

PC SERIES

PC 2-Conductor types



Standard PC series terminal blocks, function of products are approved by standard IEC600079 requirement of electrical apparatus for explosive gas atmospheres, thus products are available in chemical industry.

The shape of terminal blocks got optimized, all of PC series from PC2.5 to PC10 are with the same size in the shape, just with different thickness, so matching accessories such as separating plates or end covers and etc. Are available for using much more flexible.

	PC 6			PC 10			PC 16			PC 35		
	U [V]	I [A]	Wire size	U [V]	I [A]	Wire size	U [V]	I [A]	Wire size	U [V]	I [A]	Wire size
IEC 60947-7-1	800	41	0.2-6.0mm²	800	57	0.2-10.0mm²	800	76	0.2-16.0mm²	1000	125	0.2-35.0mm²
UL 1059	600	50	24-8AWG	600	65	20-6AWG	600	85	12-4AWG	600	7	18AWG

Specification	Type	I_{max}	Purchase Pkt.	Type	I_{max}	Purchase Pkt.	Type	I_{max}	Purchase Pkt.	Type	I_{max}	Purchase Pkt.
Terminal block ,with universal foot for mounting on	PC6		50	PC10		50	PC16		50	PC35		50
Cover	D-PC2.5		200	D-PC2.5		200	D-PC16		200			
Fixed bridge 2P	FBI2-8	41A	10	FBI 2-10	57A	10				FBI 2-15	125A	10
Fixed bridge 3P	FBI3-8		10	FBI 3-10		10				FBI 3-15		10
Fixed bridge 5P	FBI5-8		10	FBI 5-10		10						
Fixed bridge 10P	FBI10-8		10	FBI 10-10		10	FBI 10-12	76A	10			
Insertion bridge 2P	EB2-8	41A	100	EB 2-10	57A	100						
Insertion bridge 3P	EB3-8		100	EB 3-10		100						
Insertion bridge 10P	EB10-8		10	EB10-10		10	EB10-12	70A	10	EB10-15	110A	10
Isolator bridge bar, 10P	ISSBI 10-8		10	ISSBI 10-10		10						
Bridge bar isolator	IS-K 10		100	IS-K 10		100						
Switching bridge	SB 2-8/13N		1							SBH 2-15		1
Separating plate	TS-K		50	TS-K		50	TS-K		50	TS-K		50
Partition plate,thick 1.5mm	ATP-PC		50	ATP-PC		50	ATP-PC		50	TP-PC35		10
Test plug socket	DSB 4/7/6		100	DSB 4/7/6		100	DSB 4/7/6		100	DSB 6/5/6		100
Test plug socket, insulated	DSBJ 4/15/6			DSBJ 4/15/6			DSBJ 4/15/6					
Zack strip	ZB 8			ZB 10			ZB 10			ZB 10		
Screwdriver	SZS 1.0X4.0			SZS 1.0X4.0			SZS 1.0X4.0			SZS 1.0X6.5		
Technical data												
Dimensions												
T/W/Cover thickness [mm]		8.2/42.5/1.6			10.2/42.5/1.6			12.2/42.5/1.5			15.2/50/-	
Height (NS35:7.5/NS35:15/NS32) [mm]		47/54.5/52			47/54.5/52			54/61.5/59			62/69.5/67	
Technical data in accordance with IEC/DIN VDE												
Maximum load current/cross section [A][mm²]		41/6			57/10			76/16			125/35	
Max. Cross section with insertion bridge (solid/stranded) [mm²]		4/4			10/10			16/16			35/35	
Rated surge voltage/Pollution degree [KV/-]		8/3			8/3			8/3			8/3	
Overvoltage category/Insulating material group		III/ I			III/ I			III/ I			III/ I	
Connection capacity												
Stranded with ferrule without/with plastic sleeve [mm²]		0.2-6/0.2-6			0.5-10/0.5-6			1.5-16/1.5-16			0.75-35/0.75-35	
Multiple connection(2 conductors with same cross section)												
Solid/stranded [mm²]		0.2-2.5/0.2-2.5			0.5-4/0.5-4			1.5-6/1.5-4			0.75-16/0.75-10	
Stranded with ferrules without plastic sleeve [mm²]		0.2-1.5			0.5-2.5			1.5-6			0.75-10	
Stranded with TWIN ferrule with plastic sleeve [mm²]		0.5-4			0.5-6			0.75-10			0.75-6	
General data												
Stripping length [mm]		10			10			11			16	
Internal cylindrical gage (IEC 60947-1)		A5			B6			B7			B9	
Screw thread		M4			M4			M4			M6	
Tightening torque [Nm]		1.2			1.2			1.2			2.5	
Insulating material		PA			PA			PA			PA	
Inflammability class acc. to UL94		V0			V0			V0			V0	