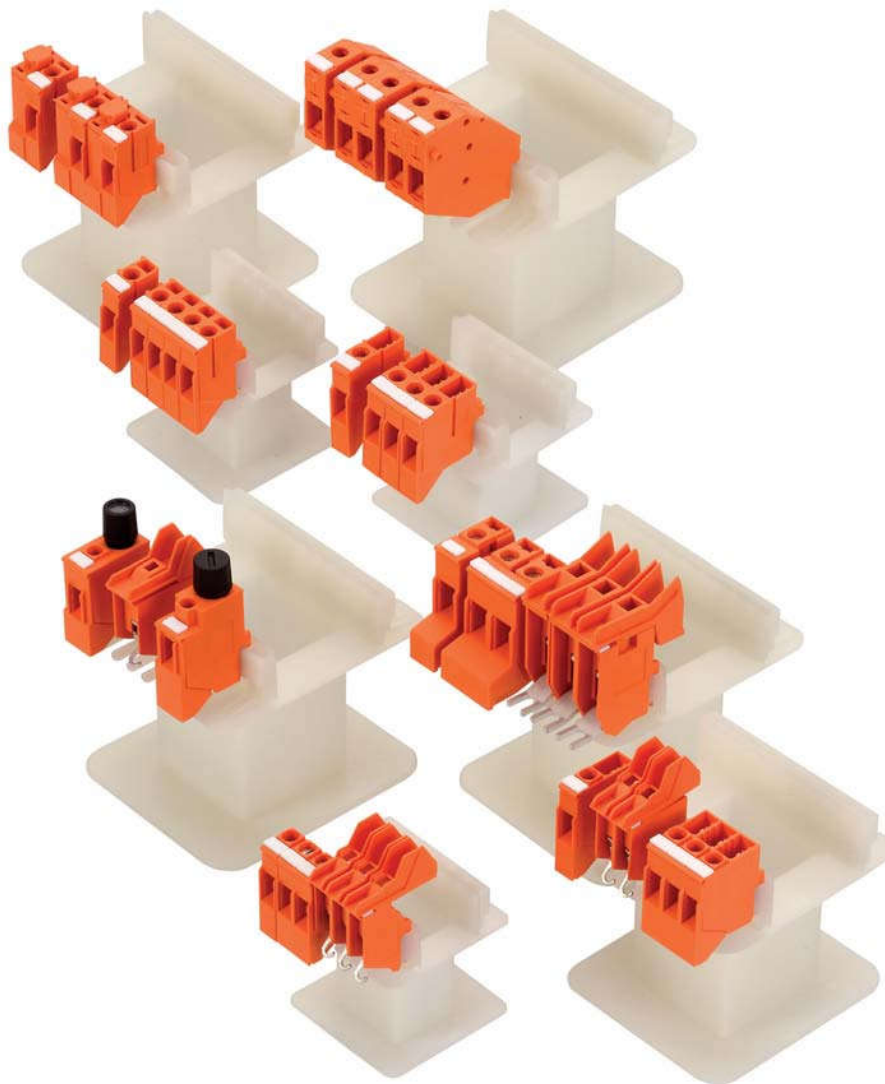


Transformer terminals TKS/TK



Transformer terminals are intended to be directly mounted to a core with integrated receptacles. They can also be mounted on aluminium 10x2 DIN rails. They are used for converting coil ends to screw-/spade connections, for connecting to the device being powered or to parts of the facility.

All transformer terminals feature the proven clamping yoke system which guarantees a vibration-resistant connection. Touch safety in compliance with **VBG 4** is ensured because of the closed housing design (material is polyamide PA 6.6 UL 94-V0). The **PMC SB 7,5** quick marking system is used for labelling the transformer terminals.

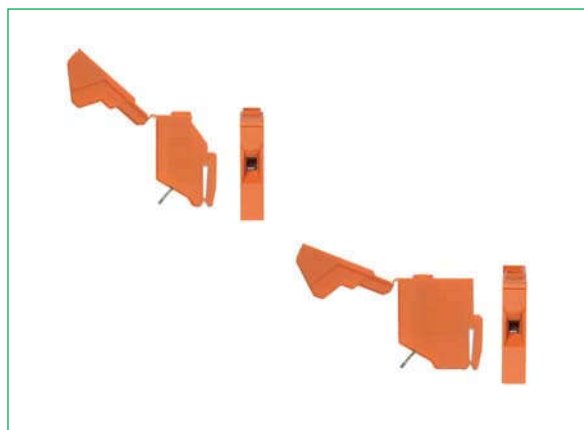


Transformer terminals TKS/TK

The features in detail

Transformer terminals: TKS 4 and TKS 4/F

The **TKS 4** and **TKS 4/F** are available as 1-, 2-, and 3-pole units as single, solid mouldings in the standard orange and grey colours. Customer-specific colours are available upon request. The **TKS 4** screw connection and the **TKS 4/F** screw-/spade connection (2.8/6.3 mm) are also available. The screw connection is designed for wires up to 4 mm². The solder hook is open-sided and the housing lid clips back in the open position above the screwdriver insertion point. These two factors allow the coil wires to be conveniently and quickly soldered.



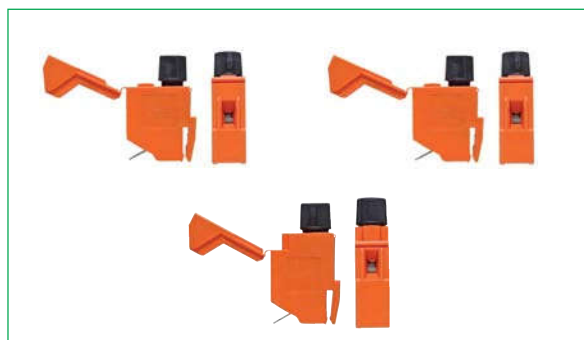
Transformer terminals TKS 10

The **TKS 10**s are available as 1-, 2-, and 3-pole units in block versions in the standard colours orange and grey. Customer-specific colours are available upon request. The screw connection is designed for wires up to 10 mm². The solder hook is open-sided and the housing lid clips back in the open position above the screwdriver insertion point. These two factors allow the coil wires to be conveniently and quickly soldered.



Transformer-fused terminals TKS 4 SI 5x20, 5x25 and 6,3x32

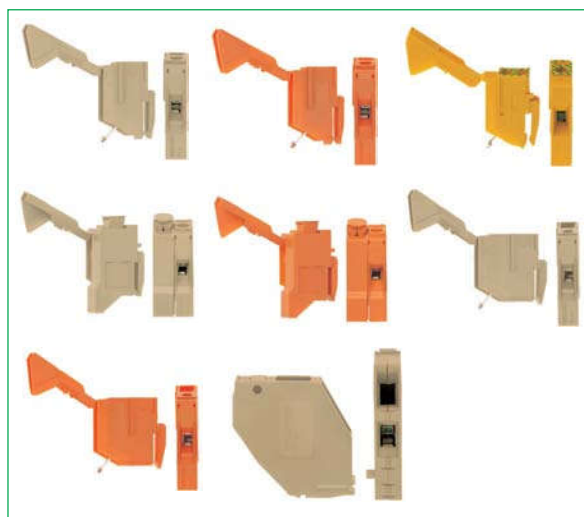
The **TKS 4 SI** are available in 1-pole units in block versions in the standard colours orange and grey. The screw connection is designed for wires up to 4 mm². A screw cap is used to attach the corresponding 5x20, 5x25 or 6.3x32 micro-fuses in the **TKS 4 SI**.







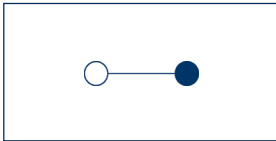
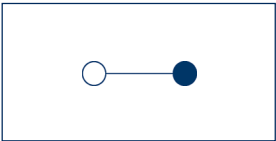
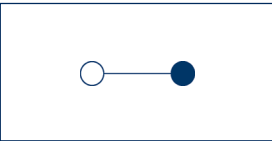
Transformer terminals TK 4, TK 4/F, TK 10 and TK 4 SI

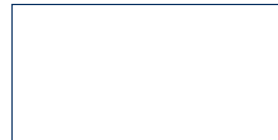
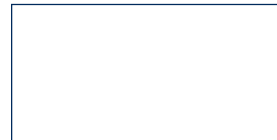
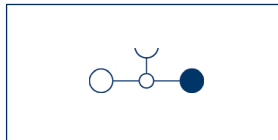
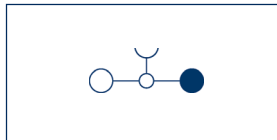
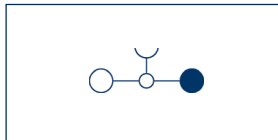
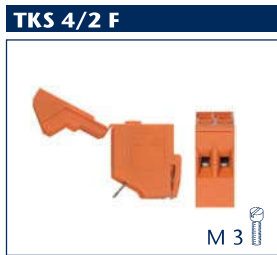
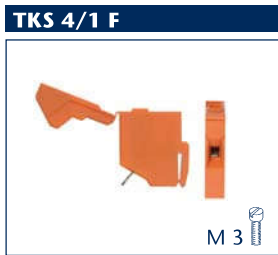
This modular system uses a dove-tail connection to assemble together into the required number of poles. The transformer terminals can also be delivered pre-assembled, in standard units from 2 to 10 poles and in orange or beige. Customer-specific colours are available upon request. The **TK 4** screw connection and the **TK 4/F** screw-/spade connection (2.8/6.3 mm) are available in colour versions.

The screw connection is designed for wires up to 4 mm². The housing for the **TK 10** transformer terminals (2 mm²) and the **TK 4 SI** transformer fused terminals (2 mm²) are designed as single-pole terminals without a dove-tail connection. A screw cap is used to attach the corresponding 5x20 or 5x25 micro-fuses in the **TK 4 SI**.



Transformer terminals TKS

Screw connection system	TKS 4/1	TKS 4/2	TKS 4/3
 <ul style="list-style-type: none"> Housing made from polyamide 6.6 UL 94-V0 	 <p>M 3</p>	 <p>M 3</p>	 <p>M 3</p>
Connection diagram	 <p>Transformer terminal 1 screw connection</p>	 <p>Transformer terminal 2 screw connections</p>	 <p>Transformer terminal 3 screw connections</p>
Connection type	Screw connection	Screw connection	Screw connection
Dimensions (L x W x H), mm	20.5 x 7.5 x 33.1	20.5 x 15 x 33.1	20.5 x 22.5 x 33.1
Type			
Type colour	TKS 4/1 OG	TKS 4/2 OG	TKS 4/3 OG
Cat. no.	1222.3	1223.3	1224.3
Qty.	50	25	20
Type colour	TKS 4/1 GR	TKS 4/2 GR	TKS 4/3 GR
Cat. no.	1222.6	1223.6	1224.6
Qty.	50	25	20
Connection data			
Colours available	3 6	3 6	3 6
Ratings	IEC CSAus CSA	IEC CSAus CSA	IEC CSAus CSA
Rated voltage, V	800 600 600	800 600 600	800 600 600
Rated current, A	32 30 30	32 30 30	32 30 30
Rated wire cross-section, mm ² AWG	4 22-10	4 22-10	4 22-10
Rated impulse voltage, kV Contamination degree	8 3	8 3	8 3
Plug gauge acc. to EN 60 947-1 Flamm. class acc. to UL 94	A3 V0	A3 V2	A3 V2
Connection data			
Single wire (solid) / Stranded mm ²	0.2-6 -	0.2-6 -	0.2-6 -
Stranded/stranded (w/ferrules acc. to DIN 46 228/1) mm ²	0.2-6 0.2-4	0.2-6 0.2-4	0.2-6 0.2-4
Contact wire range, mm ²	0.2-6	0.2-6	0.2-6
Stripping length, mm	8	8	8
Torque, Nm Screw	0.5-1.0	0.5-1.0	0.5-1.0
Spade connection, mm	-	-	-
Material of insulated housing Temperature range	PA 6.6 -40 to +120°C	PA 6.6 -40 to +120°C	PA 6.6 -40 to +120°C
Number of cross-connection channels Test pick-off	- 1	- 2	- 3
Accessories			
Quick marking PMC SB	PMC SB 7,5/40 WH	PMC SB 7,5/40 WH	PMC SB 7,5/40 WH
Cat. no.	9326.7	9326.7	9326.7
Qty.	341	341	341
Quick marking PMC SB Special print	PMC SB 7,5/40 So WH	PMC SB 7,5/40 So WH	PMC SB 7,5/40 So WH
Cat. no.	3327.7	3327.7	3327.7
Qty.	341	341	341
Screwdriver SDB	SDB 0.6x3.5	SDB 0.6x3.5	SDB 0.6x3.5
Cat. no.	1086.0	1086.0	1086.0
Qty.	422	422	422



Transformer terminal
1 screw connection /
1 spade connection

Transformer terminal
2 screw connections /
2 spade connections

Transformer terminal
3 screw connections /
3 spade connections

Screw connection	
27.7 x 7.5 x 33.1	
Qty.	
TKS 4/1/F OG	50
1225.3	
TKS 4/1/F GR	50
1225.6	

Screw connection	
27.7 x 15 x 33.1	
Qty.	
TKS 4/2/F OG	25
1226.3	
TKS 4/2/F GR	25
1226.6	

Screw connection	
27.7 x 22.5 x 33.1	
Qty.	
TKS 4/3/F OG	20
1227.3	
TKS 4/3/F GR	20
1227.6	

Screw connection	
27.7 x 22.5 x 33.1	
Qty.	

Screw connection	
27.7 x 22.5 x 33.1	
Qty.	

IEC	CSAus	CSA
800	600	600
32	30	30
4 22-10		
8 3		
A3 V2		
0.2-6 -		
0.2-6 0.2-4		
0.2-6		
8		
0.5-1.0		
6.3/2 x 2.8 x 0.8		
PA 6.6 -40 to +120°C		
- 1		
Page	Qty.	
PMC SB 7,5/40 WH	341	400
9326.7		
PMC SB 7,5/40 So WH	341	400
3327.7		
SDB 0.6x3.5	422	1
1086.0		





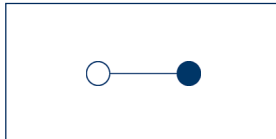
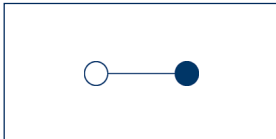
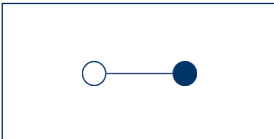
IEC	CSAus	CSA
800	600	600
32	30	30
4 22-10		
8 3		
A3 V2		
0.2-6 -		
0.2-6 0.2-4		
0.2-6		
8		
0.5-1.0		
6.3/2 x 2.8 x 0.8		
PA 6.6 -40 to +120°C		
- 2		
Page	Qty.	
PMC SB 7,5/40 WH	341	400
9326.7		
PMC SB 7,5/40 So WH	341	400
3327.7		
SDB 0.6x3.5	422	1
1086.0		

IEC	CSAus	CSA
800	600	600
32	30	30
4 22-10		
8 3		
A3 V2		
0.2-6 -		
0.2-6 0.2-4		
0.2-6		
8		
0.5-1.0		
6.3/2 x 2.8 x 0.8		
PA 6.6 -40 to +120°C		
- 3		
Page	Qty.	
PMC SB 7,5/40 WH	341	400
9326.7		
PMC SB 7,5/40 So WH	341	400
3327.7		
SDB 0.6x3.5	422	1
1086.0		

IEC	CSAus	CSA
800	600	600
32	30	30
4 22-10		
8 3		
A3 V2		
0.2-6 -		
0.2-6 0.2-4		
0.2-6		
8		
0.5-1.0		
6.3/2 x 2.8 x 0.8		
PA 6.6 -40 to +120°C		
- 3		
Page	Qty.	
PMC SB 7,5/40 WH	341	400
9326.7		
PMC SB 7,5/40 So WH	341	400
3327.7		
SDB 0.6x3.5	422	1
1086.0		

IEC	CSAus	CSA
800	600	600
32	30	30
4 22-10		
8 3		
A3 V2		
0.2-6 -		
0.2-6 0.2-4		
0.2-6		
8		
0.5-1.0		
6.3/2 x 2.8 x 0.8		
PA 6.6 -40 to +120°C		
- 3		
Page	Qty.	
PMC SB 7,5/40 WH	341	400
9326.7		
PMC SB 7,5/40 So WH	341	400
3327.7		
SDB 0.6x3.5	422	1
1086.0		

Transformer terminals TKS | Transformer-fused terminals TKS../SI

Screw connection system	TKS 10/1	TKS 10/2	TKS 10/3
 <ul style="list-style-type: none"> Housing made from polyamide 6.6 UL 94-V0 	 <p>M 4</p>	 <p>M 4</p>	 <p>M 4</p>
Connection diagram	 <p>Transformer terminal 1 screw connection</p>	 <p>Transformer terminal 2 screw connections</p>	 <p>Transformer terminal 3 screw connections</p>
Connection type	Screw connection	Screw connection	Screw connection
Dimensions (L x W x H), mm	37.5 x 11.25 x 39.5	37.5 x 22.5 x 39.5	37.5 x 23.75 x 39.5
Type	Qty.	Qty.	Qty.
Type colour	TKS 10/1 OG	TKS 10/2 OG	TKS 10/3 OG
Cat. no.	17032.3	17033.3	17046.3
Type colour	TKS 10/1 GR	TKS 10/2 GR	TKS 10/3 GR
Cat. no.	17032.6	17033.6	17046.6
Type colour			
Cat. no.			
Type colour			
Cat. no.			
Colours available	3 6	3 6	3 6
Ratings	IEC*	CSAus*	CSA*
Rated voltage, V	800	600	600
Rated current, A	57	65	65
Rated wire cross-section, mm ² AWG		10 8	
Rated impulse voltage, kV Contamination degree		8 3	
Plug gauge acc. to EN 60 947-1 Flamm. class acc. to UL 94		B6 V0	
Connection data			
Single wire (solid) stranded (stranded) mm ²		0.2-16 0.2-16	
Stranded/stranded (w/ferrules acc. to DIN 46 228/1) mm ²		0.2-10 0.2-10	
Contact wire range, mm ²		0.6 - 16	
Stripping length, mm		14	
Torque, Nm Screw		1.2 - 2.0 Slotted M4	
Fuse size		-	
Material of insulated housing Temperature range	PA 6.6 -40 to +120°C		
Accessories	Page	Qty.	Page
Quick marking PMC SB, blank			
Cat. no.	9326.7	341	400
Quick marking PMC SB, customer-specific			
Special print			
Cat. no.	3327.7	341	400
Screwdriver SDB			
Cat. no.	1086.0	422	1