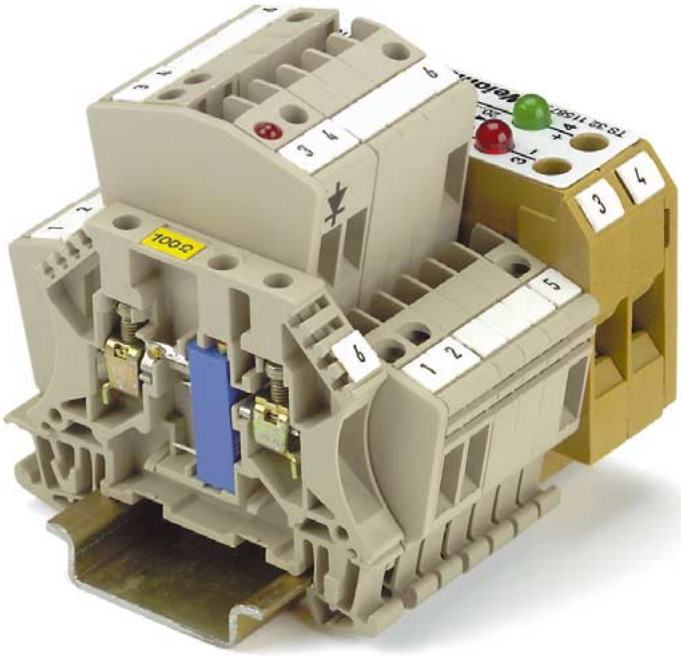
Terminal Blocks With Electronic Components



Terminal Blocks With Electronic Components

Fitting electronic components into a terminal block assembly turns the terminal point into an active part of the installation.
The free space within the terminal carrier can be sensibly used for displaying signals, for suppressing sparks or for signal conditioning. The Weidmüller program focuses on

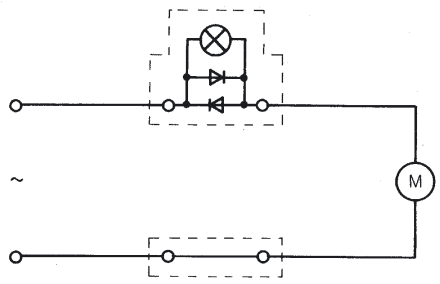
Terminal blocks with LED indicators

to indicate switching statuses, messages and operating voltages.
These signals simplify commissioning, monitoring operations, servicing and repairs of installations. Available are double terminals for monitoring voltages and currents, fuse terminals with failure indication and disconnect terminals which signalize open disconnect points. Different colored LEDs , glow lamps (low power consumption) or filament bulbs are used for signal indication.

Application example:

- **Monitoring of ventilation motors**

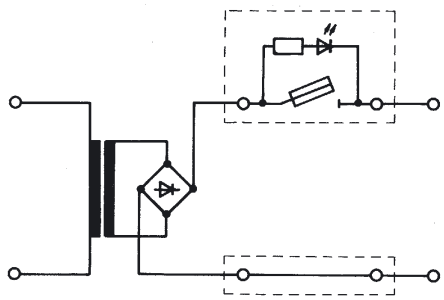
The indicated flow of current allows the operating status of the ventilator to be monitored.



Application example:

- **Fusing of a power supply module**

A lighted LED indicates the failure of the fuse, which causes a low residual current to flow through the terminal.



The fuse module EGS, page 286, enables status indication without residual currents.

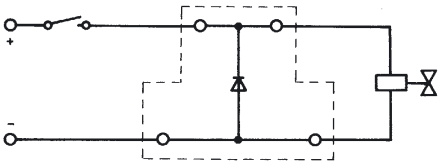
Terminal blocks with diodes

for suppressing inductivity or linking signals.

Application example:

- **Spark suppression when DC valve is switched**

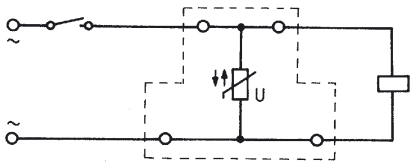
The electromagnetic energy stored in the coil fades through the diode on opening the contact.



Application example:

- **Protects contacts when an inductive AC load is switched**

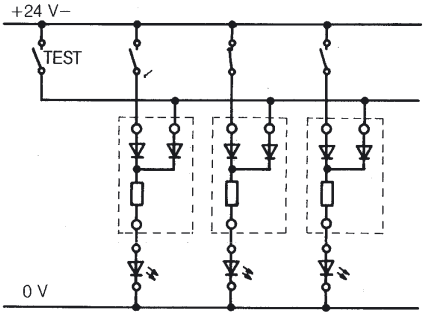
A varistor limits the peak voltage when load is switched off.
This prevents arcing and related burning of the contacts.



Application example:

- **Test switch for LED display panels**

The series resistors for the LED are integrated in the terminal. Two diodes de-couple control and test signals.

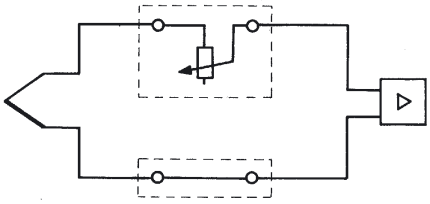


Compensating Terminals

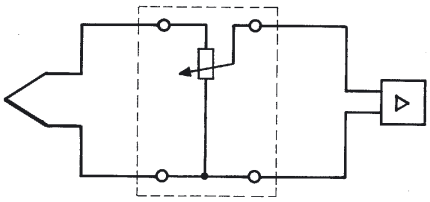
Different cable lengths and tolerances for the sensors in measurement, control and regulation technology require compensation of the circuits. A combination of a rail-mounted terminal and potentiometer is the solution:
Type SAKL 4.

Application example:

- **Temperature measurement**



A further variation with a terminal block combination as voltage divider is available.



Standards:

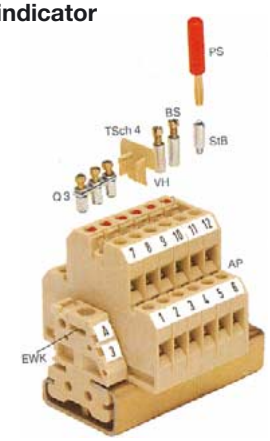
The following standards are fulfilled:

DIN VDE EN 50178:
Equipping power installations with electronic equipment

DIN VDE 0110/79:
Rated insulation voltage

DIN VDE 0611 T.1/IEC 60 947-7-1:
Requirements placed on terminal blocks with or without screw terminal points.

With indicator



DK 4 LD
WDK 2.5 LD

DC **voltage** indicator



DK 4 LD
WDK 2.5 LD

DC **voltage** indicator



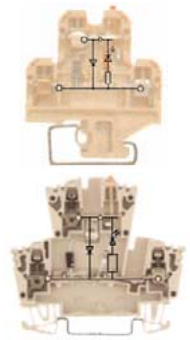
Dimension details DK 4/WDK 2.5									
Length	mm	50/69				50/69			
Height (incl. TS 32/TS 35x7.5)	mm	56.5/63				56.5/63			
Terminal width (+ assembly tolerance 0.2)	mm	6/5				6/5			
Insulation stripping length	mm	9/10				9/10			
Connection data									
Screw connection, flexible	DK 4	0.5…4 mm^2				0.5…4 mm^2			
Screw connection, flexible	WDK 2.5	0.5…2.5 mm^2				0.5…2.5 mm^2			
Conductor cross-section	DK 4	AWG 22…12				AWG 22…12			
Conductor cross-section	WDK 2.5	AWG 26…12				AWG 26…12			
VDE rated data									
Current of one-piece busbar		10 A				10 A			
Cross-section	DK 4	4 mm^2				4 mm^2			
Cross-section	WDK 2.5	2.5 mm^2				2.5 mm^2			
LED current		< 5 mA				< 5 mA			
Voltage									
		6 V–	24 V–	24 V–	60 V–	6 V–	24 V–	24 V–	60 V–
Indicator (other versions on request)	LED	red	red	green	red	red	red	green	red
Ordering data									
Type		DK 4 LD/32	DK 4 LD/32	DK 4 LD/32	DK 4 LD/32	DK 4 LD/32	DK 4 LD/32	DK 4 LD/32	DK 4 LD/32
Cat. No.	for TS 32 ⊏⎽⊐	**0582860000**	**0495360000**	**0686360000**	**0643360000**	**0582960000**	**0474460000**	**0646560000**	**0639660000**
Type		DK 4 LD/35	DK 4 LD/35	DK 4 LD/35	DK 4 LD/35	DK 4 LD/35	DK 4 LD/35	DK 4 LD/35	DK 4 LD/35
Cat. No.	for TS 35 ⊐⎽⊏	**0395360000**	**0539060000**	**0395460000**	**0395560000**	**0395660000**	**0539160000**	**0395760000**	**0395860000**
Type			WDK 2.5 LD	WDK 2.5 LD			WDK 2.5 LD	WDK 2.5 LD	
Cat. No.	for TS 35 ⊐⎽⊏		**8023630000**	**8010040000**			**1023600000**	**8023610000**	

Accessories DK 4		Type	Cat. No.	Qty.	Type	Cat. No.	Qty.
Mounting rail (2 m lengths)	**TS 32**	TS 32	**0122800000**	–	TS 32	**0122800000**	–
	TS 35	TS 35	**0383400000**	–	TS 35	**0383400000**	–
End bracket (thickness mm)	for TS 32 **EWK 1** (8.5)	EWK 1	**0206160000**	50	EWK 1	**0206160000**	50
	for TS 35 **EW 35** (8.5)	EW 35	**0383560000**	50	EW 35	**0383560000**	50
End plate (thickness mm)	**AP PA** (1.5)	AP PA	**0359260000**	20	AP PA	**0359260000**	20
Small partition	**TSch 4**	TSch4	**0363360000**	100	TSch4	**0363360000**	100
Socket contact for test plug		StB 8.5	**0215700000**	50	StB 8.5	**0215700000**	50
Test plug (pin diameter ø 2.3 mm)		PS	**0180400000**	20	PS	**0180400000**	20
Cross-connector (pre-assembled)	2-pole	Q 2	**0336400000**	50	Q 2	**0336400000**	50
	3-pole	Q 3	**0336500000**	50	Q 3	**0336500000**	50
	4-pole	Q 4	**0336600000**	50	Q 4	**0336600000**	50
	10-pole	Q 10	**0368600000**	20	Q 10	**0368600000**	20
Switchable cross-connecting link		VL 2	**0446700000**	50	VL 2	**0446700000**	50
Connection sleeve		VH 10	**0446600000**	100	VH 10	**0446600000**	100
Fixing screw		BS M 2.5x14	**0266800000**	100	BS M 2.5x14	**0266800000**	100
Cross-connecting bridge		QB 2[1])	**0482700000**	100	QB 2[1])	**0482700000**	100
		QB 3[1])	**0482800000**	50	QB 3[1])	**0482800000**	50
		QB 4[1])	**0482900000**	50	QB 4[1])	**0482900000**	50
		QB 75 bare	**0526400000**	10	QB 75 bare	**0526400000**	10
		Insulating profile	**0526700000**	–	Insulating profile	**0526700000**	–

[1])When using QB conductor connection, max. 2.5 mm^2

DK 4 LD

DC **voltage** indicator



50	
56.5	
6	
9	
0.5…4 mm²	
0.5…2.5 mm²	
AWG 22…12	
–	
10 A	
4 mm²	
–	
< 5 mA	
24 V–	24 V–
red	green
DK 4 LD/32	DK 4 LD/32
0210160000	**0210360000**
DK 4 LD/35	DK 4 LD/35
0210260000	**0210460000**
WDK 2.5 LD	WDK 2.5 LD
8019050000	**8161430000**

Type	Cat. No.	Qty.
TS 32	**0122800000**	–
TS 35	**0383400000**	–
EWK 1	**0206160000**	50
EW 35	**0383560000**	50
AP PA	**0359260000**	20
TSch 4	**0363360000**	100
StB 8.5	**0215700000**	50
PS	**0180400000**	20
Q 2	**0336400000**	50
Q 3	**0336500000**	50
Q 4	**0336600000**	50
Q 10	**0368600000**	20
VL 2	**0446700000**	50
VH 10	**0446600000**	100
BS M 2.5x14	**0266800000**	100
QB 2[1])	**0482700000**	100
QB 3[1])	**0482800000**	50
QB 4[1])	**0482900000**	50
QB 75 bare	**0526400000**	10
Insulation profile	**0526700000**	–

DK 4 LD

DC **voltage** indicator



50	
56.5	
6	
9	
0.5…4 mm²	
0.5…2.5 mm²	
AWG 22…12	
–	
10 A	
4 mm²	
–	
< 5 mA	
24 V–	24 V–
red	green
DK 4 LD/32	DK 4 LD/32
0209760000	**0209960000**
DK 4 LD/35	DK 4 LD/35
0209860000	**0210060000**

Type	Cat. No.	Qty.
TS 32	**0122800000**	–
TS 35	**0383400000**	–
EWK 1	**0206160000**	50
EW 35	**0383560000**	50
AP PA	**0359260000**	20
TSch 4	**0363360000**	100
StB 8.5	**0215700000**	50
PS	**0180400000**	20
Q 2	**0336400000**	50
Q 3	**0336500000**	50
Q 4	**0336600000**	50
Q 10	**0368600000**	20
VL 2	**0446700000**	50
VH 10	**0446600000**	100
BS M 2.5x14	**0266800000**	100
QB 2[1])	**0482700000**	100
QB 3[1])	**0482800000**	50
QB 4[1])	**0482900000**	50
QB 75 bare	**0526400000**	10
Insulation profile	**0526700000**	–

DK 4 LD
WDK 2.5 LD

Alternating **voltage** indicator



50/69			
56.5/63			
6/5			
9/10			
0.5…4 mm²			
0.5…2.5 mm²			
AWG 22…12			
AWG 26…12			
10 A			
4 mm²			
2.5 mm²			
< 5 mA			
24 V~	48 V~	115 V~	230 V~
red	red	red	red
DK 4 LD/32	DK 4 LD/32	DK 4 LD/32	DK 4 LD/32
0495460000	**0632860000**	**0586560000**	**1111460000**
DK 4 LD/35	DK 4 LD/35	DK 4 LD/35	DK 4 LD/35
0395960000	**0396060000**	**0396160000**	**1111560000**
		WDK 2.5 LD	WDK 2.5 LD
		8006320000	**8013140000**

Type	Cat. No.	Qty.
TS 32	**0122800000**	–
TS 35	**0383400000**	–
EWK 1	**0206160000**	50
EW 35	**0383560000**	50
AP PA	**0359260000**	20
TSch 4	**0363360000**	100
StB 8.5	**0215700000**	50
PS	**0180400000**	20
Q 2	**0336400000**	50
Q 3	**0336500000**	50
Q 4	**0336600000**	50
Q 10	**0368600000**	20
VL 2	**0446700000**	50
VH 10	**0446600000**	100
BS M 2.5x14	**0266800000**	100
QB 2[1])	**0482700000**	100
QB 3[1])	**0482800000**	50
QB 4[1])	**0482900000**	50
QB 75 bare	**0526400000**	10
Insulating profile	**0526700000**	–

DK 4 LD
WDK 2.5 GL

Alternating **voltage** indicator



50/69	
56.5/63	
6/5	
9/10	
0.5…4 mm²	
0.5…2.5 mm²	
AWG 22…12	
AWG 26…12	
10 A	
4 mm²	
2.5 mm²	
< 5 mA	
115 V~	230 V~
Glow lamp	
DK 4GL/32	DK 4 GL/32
0569560000	**0509560000**
DK 4 GL/35	DK 4 GL/35
0396260000	**0663160000**
	WDK 2.5 GL
	8013840000

Type	Cat. No.	Qty.
TS 32	**0122800000**	–
TS 35	**0383400000**	–
EWK 1	**0206160000**	50
EW 35	**0383560000**	50
AP PA	**0359260000**	20
TSch 4	**0363360000**	100
QB 2[1])	**0482700000**	100
QB 3[1])	**0482800000**	50
QB 4[1])	**0482900000**	50
QB 75 bare	**0526400000**	10
Insulation profile	**0526700000**	–

DK 4 Q GL

Alternating **voltage** indicator

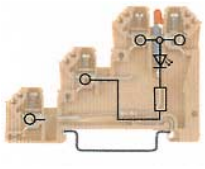


50	
56.5	
6	
9	
0.5…4 mm²	
0.5…4 mm²	
AWG 22…12	
–	
10 A	
4 mm²	
< 5 mA	
230~	
Glow lamp	
	DK 4 Q GL/35
	1120260000

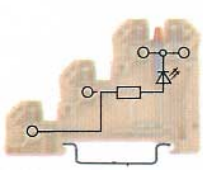
Type	Cat. No.	Qty.
TS 35	**0383400000**	–
EWK 1	**0206160000**	50
EW 35	**0383560000**	50
TSch 4	**0363360000**	100

With indicator

DLI 2.5 LD/35 PNP



DLI 2.5 LD/35 NPN



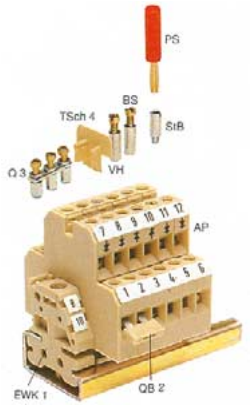
Dimensions			
Length	mm	65	65
Height (incl. TS 32/TS 35x7.5)	mm	–/49	–/49
Terminal width (+ assembly tolerance 0.2)	mm	6	6
Insulation stripping length	mm	7	7
Connection data			
Screw connection, solid core		0.5…2.5 mm^2	0.5…2.5 mm^2
Screw connection, flexible		0.5…2.5 mm^2	0.5…2.5 mm^2
Conductor cross-section		AWG 22…14	AWG 22…14
VDE rated data			
Current of through-busbar		20 A	20 A
Cross-section		2.5 mm^2	2.5 mm^2
Permissible current range		–	–
LED current		< 5 mA	< 5 mA
Voltage other versions on request			
		5…30 V–	5…30 V–

Ordering data		Type	Cat. No.	Type	Cat. No.
	for TS 35 ⊓	DLI 2.5 LD/35 PNP		DLI 2.5 LD/35 NPN	
	LED red		**1578510000**		**1578550000**
	LED green		**1578520000**		**1578560000**
Block of 10 (with built-in cross-connections)					
	LED red		**1578530000**		
	LED green		**1578540000**		

Accessories		Type	Cat. No.	Qty.	Type	Cat. No.	Qty.
Mounting rail (2 m lengths)		–	–	–	–	–	–
		TS 35	**0383400000**	–	TS 35	**0383400000**	–
End bracket (thickness mm)							
	for TS 35 **EW 35** (8.5)	EW 35 (8.5)	**0383560000**	50	EW 35 (8.5)	**0383560000**	50
End plate (thickness mm)	**AP PA** (1.5)	AP PA	**1313260000**	20	AP PA	**1313260000**	20
Cross-connector (pre-assembled)	2-pole	Q 2	**1312500000**	50	Q 2	**1312500000**	50
	3-pole	Q 3	**1312600000**	50	Q 3	**1312600000**	50
	4-pole	Q 4	**1312700000**	50	Q 4	**1312700000**	50
	10-pole	Q 10	**1313100000**	20	Q 10	**1313100000**	20
Connection sleeve		VH 3.8	**1345800000**	100	VH 3.8	**1345800000**	100
Cross-connection bracket		QL 2	**029720**	100	QL 2	**0297200000**	100

Terminal Blocks

With diodes
(other versions on request)



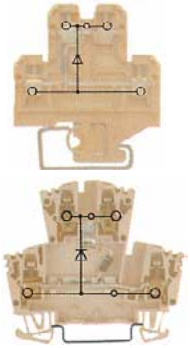
DK 4 D
WDK 2.5 D
Diode terminal, i.e. as reverse voltage protection



DK 4 D
WDK 2.5 D
Arc suppression circuit for contactors and solenoid (valves DC)



DK 4 D
WDK 2.5 D
Arc suppression circuit for contactors and solenoid valves (DC)



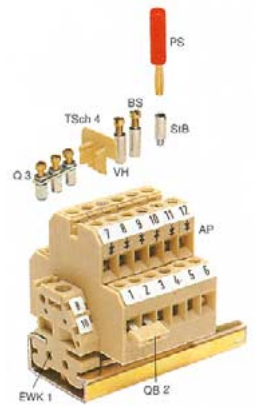
Dimension details DK 4/WDK 2.5							
Length	mm	50/69		50/69		50/69	
Height (incl. TS 32/TS 35x7.5)	mm	56.5/63		56.5/63		56.5/63	
Terminal width (+ assembly tolerance 0.2)	mm	6/5		6/5		6/5	
Insulation stripping length	mm	9/10		9/10		9/10	
Connection data							
Screw connection, flexible	DK 4	0.5…4 mm²		0.5…4 mm²		0.5…4 mm²	
Screw connection, flexible	WDK 2.5	0.5…2.5 mm²		0.5…2.5 mm²		0.5…2.5 mm²	
Conductor cross-section	DK 4	AWG 22…12		AWG 22…12		AWG 22…12	
Conductor cross-section	WDK 2.5	AWG 26…12		AWG 26…12		AWG 26…12	
VDE rated data							
Voltage		380 V~		380 V~		380 V~	
Diode reverse voltage		1000 V		1000 V		1000 V	
Diode current		1 A		1 A		1 A	
Current of through-basbar		10 A		10 A		10 A	
Diode		1 N 4007		1 N 4007		1 N 4007	
Terminal colour							
		beige		beige	blue	beige	blue
Ordering data							
Type		DK 4 D/32		DK 4 D/32	DK 4 D/32	DK 4 D/32	DK 4 D/32
Cat. No.	for TS 32 ⊏⊐	**0544660000**		**0484060000**	**0484080000**	**0467960000**	**0467980000**
Type		DK 4 D/35		DK 4 D/35	DK 4 D/35	DK 4 D/35	DK 4 D/35
Cat. No.	for TS 35 ⊓⊔	**0396360000**		**0538960000**	**0538980000**	**0538860000**	**0538880000**
Type		WDK 2.5 D		WDK 2.5 D		WDK 2.5 D	
Cat. No.	for TS 35 ⊓⊔	**8025610000**		**1023400000**		**1023300000**	

Accessories DK 4[1)]		Type	Cat. No.	Qty.	Type	Cat. No.	Qty.	Type	Cat. No.	Qty.
Mounting rail (2 m lengths)	**TS 32**	TS 32	**0122800000**	–	TS 32	**0122800000**	–	TS 32	**0122800000**	–
	TS 35	TS 35	**0383400000**	–	TS 35	**0383400000**	–	TS 35	**0383400000**	–
End bracket (thickness mm)	for TS 32 **EWK 1** (8.5)	EWK 1	**0206160000**	50	EWK 1	**0206160000**	50	EWK 1	**0206160000**	50
	for TS 35 **EW 35** (8.5)	EW 35	**0383560000**	–	EW 35	**0383560000**	–	EW 35	**0383560000**	–
End plate (thickness mm)	**AP PA** (1.5)	AP PA	**0359260000**	20	AP PA	**0359260000**	20	AP PA	**0359260000**	20
		WAP/DK 2.5	**1059100000**	20	WAP/DK 2.5	**1059100000**	20	WAP/DK 2.5	**1059100000**	20
Small partition	**TSch 4**	TSch 4	**0363360000**	100	TSch 4	**0363360000**	100	TSch 4	**0363360000**	100
Socket contact for test plug		StB 8.5	**0215700000**	50	StB 8.5	**0215700000**	50	StB 8.5	**0215700000**	50
Test plug (pin diameter ø 2.3 mm)		PS	**0180400000**	20	PS	**0180400000**	20	PS	**0180400000**	20
Cross-connector (pre-assembled)	2-pole	Q 2	**0336400000**	50	Q 2	**0336400000**	50	Q 2	**0336400000**	50
	3-pole	Q 3	**0336500000**	50	Q 3	**0336500000**	50	Q 3	**0336500000**	50
	4-pole	Q 4	**0336600000**	50	Q 4	**0336600000**	50	Q 4	**0336600000**	50
	10-pole	Q 10	**0368600000**	20	Q 10	**0368600000**	20	Q 10	**0368600000**	20
Switchable cross-connecting link		VL 2	**0446700000**	50	VL 2	**0446700000**	50	VL 2	**0446700000**	50
Connection sleeve		VH 10	**0446600000**	100	VH 10	**0446600000**	100	VH 10	**0446600000**	100
Fixing screw		BS M 2.5x14	**0266800000**	100	BS M 2.5x14	**0266800000**	100	BS M 2.5x14	**0266800000**	100
Cover plate		AD 4 (4 term.)	**0303400000**	50	AD 4 (4 term.)	**0303400000**	50	AD 4 (4 term.)	**0303400000**	50
Fixing screw (plastic)		BSKM 2.5x18	**0303300000**	100	BSKM 2.5x18	**0303300000**	100	BSKM 2.5x18	**0303300000**	100
Cross-connecting bridge		QB 2[2)]	**0482700000**	100	QB 2[2)]	**0482700000**	100	QB 2[2)]	**0482700000**	100
		QB 3[2)]	**0482800000**	50	QB 3[2)]	**0482800000**	50	QB 3[2)]	**0482800000**	50
		QB 4[2)]	**0482900000**	50	QB 4[2)]	**0482900000**	50	QB 4[2)]	**0482900000**	50
		QB 75 bare	**0526400000**	10	QB 75 bare	**0526400000**	10	QB 75 bare	**0526400000**	10
		Insul. profile	**0526700000**	–	Insul. profile	**0526700000**	–	Insul. profile	**0526700000**	–

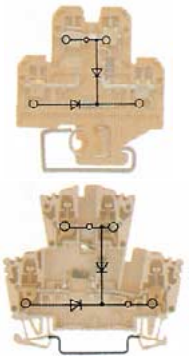
[1)] Accessories for WDK 2.5 see sectional catalogue: Terminals

[2)] When using QB conductor connection, max. 2.5 mm²

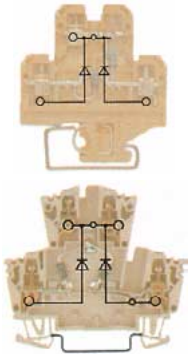
With diodes
(other versions on request)



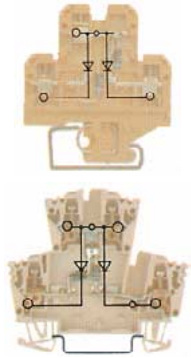
DK 4 D
WDK 2.5 D
Diode terminals for lamp test circuits



DK 4 D
WDK 2.5 D
Diode terminals for lamp test circuits



DK 4 D
WDK 2.5 D
Diode terminals for lamp test circuits



DKT 4 D
Diode terminal for central control circuits



		DK 4 D / WDK 2.5 D	DK 4 D / WDK 2.5 D	DK 4 D / WDK 2.5 D	DKT 4 D
Dimension details DK 4/WDK 2.5					
Length	mm	50/69	50/69	50/69	65
Height (incl. TS 32/TS 35x7.5)	mm	56.5/63	56.5/63	56.5/63	56.5
Terminal width (+ assembly tolerance 0.2)	mm	6/5	6/5	6/5	6
Insulation stripping length	mm	9/10	9/10	9/10	9
Connection data					
Screw connection, flexible	DK 4	0.5…4 mm^2	0.5…4 mm^2	0.5…4 mm^2	0.5…4 mm^2
Screw connection, flexible	WDK 2.5	0.5…2.5 mm^2	0.5…2.5 mm^2	0.5…2.5 mm^2	–
Conductor cross-section	DK 4	AWG 22…12	AWG 22…12	AWG 22…12	AWG 22…12
Conductor cross-section	WDK 2.5	AWG 26…12	AWG 26…12	AWG 26…12	–
VDE rated data					
Voltage		380 V~	380 V~	380 V~	380 V~
Diode reverse voltage		1000 V	1000 V	1000 V	1000 V
Diode current		1 A	1 A	1 A	1 A
Current of through-basbar		10 A	10 A	10 A	10 A
Diode		1 N 4007	1 N 4007	1 N 4007	1 N 4007
Terminal colour					
		beige	beige	beige	beige
Ordering data					
Type		DK 4 D/32	DK 4 D/32	DK 4 D/32	DK 4 D/32
Cat. No.	for TS 32 ⊏⎽⊐	**0642760000**	**0523760000**	**0663960000**	**1161260000**
Type		DK 4 D/35	DK 4 D/35	DK 4 D/35	DK 4 D/35
Cat. No.	for TS 35 ⊐⎽⊏	**0396660000**	**0396860000**	**0396760000**	**1159060000**
Type		WDK 2.5 D	WDK 2.5 D	WDK 2.5 D	
Cat. No.	for TS 35 ⊐⎽⊏	**1023500000**	**1022600000**	**8014670000**	

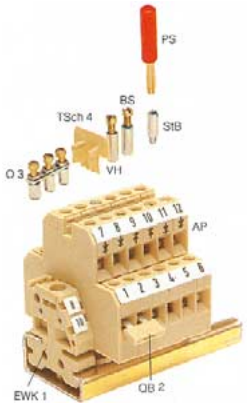
Accessories DK 41)		Type	Cat. No.	Qty.	Type	Cat. No.	Qty.	Type	Cat. No.	Qty.	Type	Cat. No.	Qty.
Mounting rail (2 m lengths)	**TS 32**	TS 32	**0122800000**	–	TS 32	**0122800000**	–	TS 32	**0122800000**	–	TS 32	**0122800000**	–
	TS 35	TS 35	**0383400000**	–	TS 35	**0383400000**	–	TS 35	**0383400000**	–	TS 35	**0383400000**	–
End bracket (thickness mm)	for TS 32 **EWK 1** (8.5)	EWK 1	**0206160000**	50	EWK 1	**0206160000**	50	EWK 1	**0206160000**	50	EWK 1	**0206160000**	50
	for TS 35 **EW 35** (8.5)	EW 35	**0383560000**	–	EW 35	**0383560000**	–	EW 35	**0383560000**	–	EW 35	**0383560000**	–
End plate (thickness mm)	**AP PA** (1.5)	AP PA	**0359260000**	20	AP PA	**0359260000**	20	AP PA	**0359260000**	20			
		WAP/DK 2.5	**1059100000**	20	WAP/DK 2.5	**1059100000**	20	WAP/DK 2.5	**1059100000**	20			
Small partition	**TSch 4**	TSch 4	**0363360000**	100	TSch 4	**0363360000**	100	TSch 4	**0363360000**	100			
Socket contact for test plug		StB 8.5	**0215700000**	50	StB 8.5	**0215700000**	50	StB 8.5	**0215700000**	50			
Test plug (pin diameter ø 2.3 mm)		PS	**0180400000**	20	PS	**0180400000**	20	PS	**0180400000**	20			
Cross-connector (pre-assembled)	2-pole	Q 2	**0336400000**	50	Q 2	**0336400000**	50	Q 2	**0336400000**	50			
	3-pole	Q 3	**0336500000**	50	Q 3	**0336500000**	50	Q 3	**0336500000**	50			
	4-pole	Q 4	**0336600000**	50	Q 4	**0336600000**	50	Q 4	**0336600000**	50			
	10-pole	Q 10	**0368600000**	20	Q 10	**0368600000**	20	Q 10	**0368600000**	20			
Switchable cross-connecting link		VL 2	**0446700000**	50	VL 2	**0446700000**	50	VL 2	**0446700000**	50			
Connection sleeve		VH 10	**0446600000**	100	VH 10	**0446600000**	100	VH 10	**0446600000**	100			
Fixing screw		BS M 2.5x14	**0266800000**	100	BS M 2.5x14	**0266800000**	**100**	BS M 2.5x14	**0266800000**	100			
Cover plate		AD 4 (4 term.)	**0303400000**	50	AD 4 (4 term.)	**0303400000**	50	AD 4 (4 term.)	**0303400000**	50			
Fixing screw (plastic)		BSKM 2.5x18	**0303300000**	100	BSKM 2.5x18	**0303300000**	100	BSKM 2.5x18	**0303300000**	100			
Cross-connecting bridge		QB 2[2])	**0482700000**	100	QB 2[2])	**0482700000**	100	QB 2[2])	**0482700000**	100			
		QB 3[2])	**0482800000**	50	QB 3[2])	**0482800000**	50	QB 3[2])	**0482800000**	50			
		QB 4[2])	**0482900000**	50	QB 4[2])	**0482900000**	50	QB 4[2])	**0482900000**	50			
		QB 75 bare	**0526400000**	10	QB 75 bare	**0526400000**	10	QB 75 bare	**0526400000**	10			
		Insul. profile	**0526700000**	–	Insul. profile	**0526700000**	–	Insul. profile	**0526700000**	–			

) [1]) Accessories for WDK 2.5 see sectional catalogue: Terminals

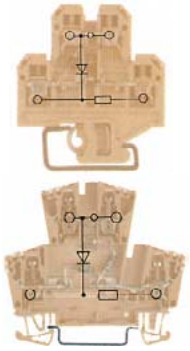
[2])When using QB conductor connection, max. 2.5 mm^2

Terminal Blocks

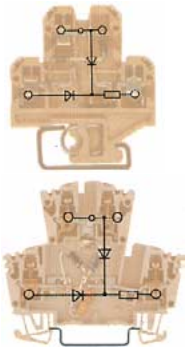
With electronic components
(other versions on request)



DK 4 D
WDK 2.5 D
Diode terminal for lamp test circuits, with series resistor



DK 4 D
WDK 2.5 D
Diode terminal for lamp test circuits, with series resistor



Dimension details DK 4/WDK 2.5			
Length	mm	50/69	50/69
Height (incl. TS 32/TS 35x7.5)	mm	56.5/63	56.5/63
Terminal width (+ assembly tolerance 0.2)	mm	6/5	6/5
Insulation stripping length	mm	9/10	9/10
Connection data			
Screw connection, flexible	DK 4	0.5…4 mm^2	0.5…4 mm^2
Screw connection, flexible	WDK 2.5	0.5…2.5 mm^2	0.5…2.5 mm^2
Conductor cross-section	DK 4	AWG 22…12	AWG 22…12
Conductor cross-section	WDK 2.5	AWG 26…12	AWG 26…12
VDE rated data			
Voltage		24 V–	24 V–
Diode current		1 A	1 A
Current of through-busbar		10 A	10 A
Operating temperature range			
Diode		1 N 4007	1 N 4007
Resistance		1.5 kΩ	1.5 kΩ
Capacitor		–	–

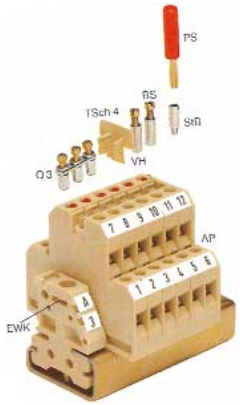
Ordering data			
Type		DK 4 D/32	DK 4 D/32
Cat. No.	for TS 32 ⊏⎽⊐	**0685260000**	**0159160000**
Type		DK 4 D/35	DK 4 D/35
Cat. No.	for TS 35 ⊐⎽⊏	**0396960000**	**0181560000**
Type		WDK 2.5 D	WDK 2.5 D
Cat. No.	for TS 35 ⊐⎽⊏	**8016940000**	**8012260000**

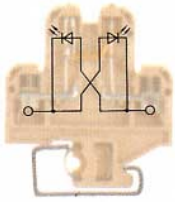
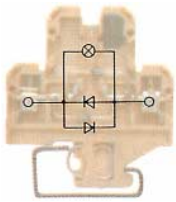
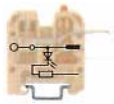
Accessories DK 4[1)]		Type	Cat. No.	Qty.	Type	Cat. No.	Qty.
Mounting rail (2 m lengths)	**TS 32**	TS 32	**0122800000**	–	TS 32	**0122800000**	–
	TS 35	TS 35	**0383400000**	–	TS 35	**0383400000**	–
End bracket (thickness mm)	for TS 32 **EWK 1** (8.5)	EWK 1	**0206160000**	50	EWK 1	**0206160000**	50
	for TS 35 **EW 35** (8.5)	EW 35	**0383560000**	–	EW 35	**0383560000**	–
End plate (thickness mm)	**AP PA** (1.5)	AP PA	**0359260000**	20	AP PA	**0359260000**	20
Small partition	**TSch 4**	TSch 4	**0363360000**	100	TSch 4	**0363360000**	100
Partition (thickness mm)							
Socket for test plug		StB 8.5	**0215700000**	50	StB 8.5	**0215700000**	50
Test plug (pin diameter ø 2.3 mm)		PS	**0180400000**	20	PS	**0180400000**	20
Contact sleeve							
Cross-connector (pre-assembled)	2-pole	Q 2	**0336400000**	50	Q 2	**0336400000**	50
	3-pole	Q 3	**0336500000**	50	Q 3	**0336500000**	50
	4-pole	Q 4	**0336600000**	50	Q 4	**0336600000**	50
	10-pole	Q 10	**0368600000**	20	Q 10	**0368600000**	20
Switchable cross-connecting link		VL 2	**0446700000**	50	VL 2	**0446700000**	50
Connection sleeve		VH 10	**0446600000**	100	VH 10	**0446600000**	100
Fixing screw		BS M 2.5x14	**0266800000**	100	BS M 2.5x14	**0266800000**	100
Cover plate		AD 4 (4 term.)	**0303400000**	50	AD 4 (4 term.)	**0303400000**	50
Fixing screw (plastic)		BSKM 2.5x18	**0303300000**	100	BSKM 2.5x18	**0303300000**	100
Cross-connecting bridge		QB 2[2)]	**0482700000**	100	QB 2[2)]	**0482700000**	100
		QB 3[2)]	**0482800000**	50	QB 3[2)]	**0482800000**	50
		QB 4[2)]	**0482900000**	50	QB 4[2)]	**0482900000**	50
		QB 75 bare	**0526400000**	10	QB 75 bare	**0526400000**	10
		Insul. profile	**0526700000**	–	Insul. profile	**0526700000**	–

[1)] Accessories for WDK 2.5 see sectional catalogue: Terminals

[2)] When using QB conductor connection, max. 2.5 mm^2

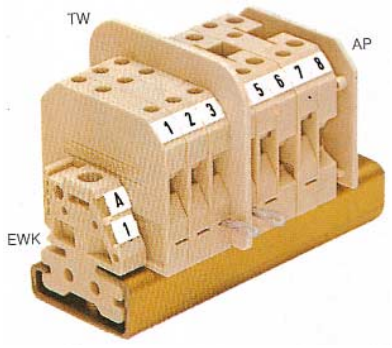
With diodes



		DK 4 LD I	DK 4 GL I	AKZ 4 LD	AKZ 4 LD
		Current direction indicator	**Current** indicator	DC **voltage** indicator	DC **voltage** indicator
					
Dimensions					
Length	mm	50	50	35.5	35.5
Height (incl. TS 32/TS 35x7.5)	mm	56.5	56.5	30	30
Terminal width (+ assembly tolerance 0.2)	mm	6	6	6	6
Insulation stripping length	mm	9	9	9	9
Connection data					
Screw connection, solid core		0.5…4 mm²	0.5…4 mm²	0.5…4 mm²	0.5…4 mm²
Screw connection, flexible		0.5…4 mm²	0.5…4 mm²	0.5…4 mm²	0.5…4 mm²
Solder connection		–	–	up to 1.5 mm²	up to 1.5 mm²
Conductor cross-section		AWG 22…12	AWG 22…12	AWG 22…12/solder…16	AWG 22…12/solder…16
VDE rated data					
Current of through-busbar		20 mA	1 A	10 A	10 A
Cross-section		4 mm²	4 mm²	4 mm²/1.5 mm²	4 mm²/1.5 mm²
Permissible current range		2…20 mA	0.1…1 A	< 5 mA	< 5 mA
LED current		–	–	< 5 mA	< 5 mA
Voltage other versions on request					
		3…250 V~	3…250 V~	24 V–	24 V–
Indicator other versions on request					
	LED	red and green	Glow lamp		green
Ordering data					
Type		DK 4 LDI/32	DK 4 GLI/32		
Cat. No.	for TS 32 ⊏⎓	**1164760000**	**1111060000**		
Type		DK 4 LDI/35	DK 4 GLI/35		
Cat. No.	for TS 35 ⊐⎓	**1164860000**	**1111160000**		
Type				AKZ 4 LD	
Cat. No.	for TS 35 ⊐⎓			red **0639460000**	AKZ 4 LD 0639360000
				yellow **0639560000**	
				green **8022520000**	
Accessories		Type / Cat. No. / Qty.	Type / Cat. No. / Qty.	Type / Cat. No. / Qty.	Type / Cat. No. / Qty.
Mounting rail (2 m lengths)	**TS 15**			TS 15 **0117500000** -	TS 15 **0117500000** -
	TS 32	TS 32 **0122800000** –	TS 32 **0122800000** –		
	TS 35	TS 35 **0383400000** –	TS 35 **0383400000** –		
End bracket (thickness mm)	for TS 32 **EWK 1** (8.5)	EWK 1 **0206160000** 50	EWK 1 **0206160000** 50	EW 15 **0382860000** 50	EW 15 **0382860000** 50
	for TS 35 **EW 35** (8.5)	EW 35 **0383560000** 50	EW 35 **0383560000** 50		
End plate (thickness mm)	**AP PA** (1.5)	AP PA **0359260000** 20	AP PA **0359260000** 20	AP PA **0294460000** 20	AP PA **0294460000** 20
Small partition	**TSch 4**	TSch 4 **0363360000** 100	TSch 4 **0363360000** 100	TSch 4 **0363360000** 100	TSch 4 **0363360000** 100
Socket contact for test plug				StB 8.5 **0215700000** 50	StB 8.5 **0215700000** 50
Test plug (pin diameter ø 2.3 mm)				PS **0180400000** 20	PS **0180400000** 20
Cross-connector (pre-assembled)	2-pole			Q 2 **0336400000** 50	Q 2 **0336400000** 50
	3-pole			Q 3 **0336500000** 50	Q 3 **0336500000** 50
	4-pole			Q 4 **0336600000** 50	Q 4 **0336600000** 50
	10-pole			Q 10 **0368600000** 20	Q 10 **0368600000** 20
Switchable cross-connecting link				VL 2 **0446700000** 50	VL 2 **0446700000** 50
Connection sleeve				VH 10 **0446600000** 100	VH 10 **0446600000** 100
Fixing screw				BS M 2.5x14 **0266800000** 100	BS M 2.5x14 **0266800000** 100
Cross-connecting bridge		QB 2*) **0482700000** 100	QB 2*) **0482700000** 100		
		QB 3*) **0482800000** 50	QB 3*) **0482800000** 50		
		QB 4*) **0482900000** 50	QB 4*) **0482900000** 50		
		QB 75 bare **0526400000** 10	QB 75 bare **0526400000** 10	QB 75 bare **0526400000** 10	QB 75 bare **0526400000** 10
Cross-connection bracket		Insul. profile **0526700000** –	Insul. profile **0526700000** –	Insul. profile **0526700000** –	Insul. profile **0526700000** –

* When using QB conductor connection, max. 2.5 mm²

Compensating Terminals



SAKL 4/ ...



Dimensions		
Length	mm	40
Height (incl. TS 32/TS 35x7.5)	mm	51.5
Terminal width (+ assembly tolerance 0.2)	mm	6.5
Insulation stripping length	mm	9
Connection data		
Screw connection, solid core		0.5…4 mm²
Screw connection, flexible		0.5…4 mm²
Conductor cross-section		AWG 22…12
VDE rated data		
Power		1 W
Cross-section		4 mm²
Approvals		

Ordering data

Resistance	Type	Cat. No.	Qty.
10 Ω	SAKL 4/10 PA	**0649160000**	10
30 Ω	SAKL 4/30 PA	**0524060000**	10
50 Ω	SAKL 4/50 PA	**0649060000**	10
100 Ω	SAKL 4/100 PA	**0643260000**	10
500 Ω	SAKL 4/500 PA	**0643860000**	10
1 kΩ	SAKL 4/1 k PA	**0648960000**	10
5 kΩ	SAKL 4/5 k PA	**0648860000**	10
10 kΩ	SAKL 4/10 k PA	**0632260000**	10
100 kΩ	SAKL 4/50 k PA	**0647860000**	10
500 kΩ	SAKL 4/100 PA	**0649260000**	10
2 MΩ	SAKL 4/500 k PA	**0649560000**	10
	SAKL 4/32 (without potentiometer)	**0643760000**	10

Accessories

Mounting rail (2 m lengths)	TS 32	**0122800000**	–
End bracket (thickness mm) for TS 32 **EWK 1** (8.5)	EWK 1 (8.5)	**0206160000**	50
for TS 35 **EW 35** (8.5)			
End plate (thickness mm) **AP PA** (1.5)	AP PA (1.5)	**0117960000**	20
End plate (thickness mm)			
Partition (thickness mm)			
Shielding rail	TW PA (1.5)	**0130160000**	20
Solder lug			

Technical data for the 30 Ω compensating resistor

Resistor material: "Cermet"
Resistor setting range: 0…30 Ω
Wave form: linear
Temperature coefficient: ± 100 ppm/°C
Mechanical lifespan: 200 operations without permissible deviations through the entire resistance range
Resistance change per spindle turn: ≈ 1.2 Ω
Rated output for total resistance: 1 Watt at 70 °C
Rated current: 120 mA
Ambient temperature: –55 °C bis +70 °C
Sealing: 1) Leak tested in water at 70 °C without bubble formation
2) Storage in SFW 2.0 S i.a.w. DIN 50018, 9 cycles

SAKL 4/ ... L



		60
		51.5
		6.5
		9
		0.5…4 mm²/solder 1.5 mm²
		0.5…4 mm²/solder 1.5 mm²
		AWG 22…12
		1 W
		4 mm²

Type	Cat. No.	Qty.
–		
SAKL 4/30 L PA	**0572860000**	10
–		
–		
–		
–		
–		
–		
–		
–		

TS 32	**0122800000**	–
EWK 1 (8.5)	**0206160000**	50
AP PA (1.5)	**0117960000**	20
TW PA (1.5)	**0130160000**	20

LÖFA SAKL 2.5 L **2026140000** 100

SAKL 4/ ... R

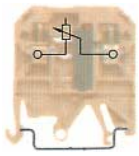


		40
		13
		SAKL=9 mm/SAK 4=12 mm
		0.5…4 mm²
		0.5…4 mm²
		AWG 22…12
		1 W
		4 mm²

Type	Cat. No.	Qty.
–		
SAKL 4/30 R PA	**0526260000**	5
–		
SAKL 4/100 R PA	**0643160000**	10
–		
–		
–		
–		
–		
–		
–		
–		
–		
–		

TS 32	**0122800000**	–
EWK 1 (8.5)	**0206160000**	50
AP PA (1.5)	**0117960000**	20
TW PA (1.5)	**0130160000**	20

SAKL 4/ ... EN

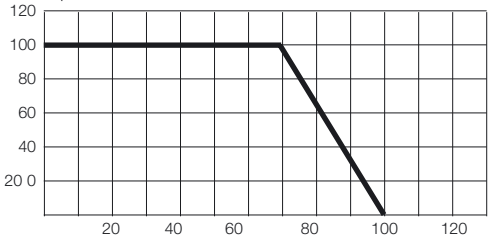


		41.5
		41.5/48
		6.5
		9
		0.5…4 mm²
		0.5…4 mm²
		AWG 22…12
		1 W
		4 mm²

Type	Cat. No.	Qty.
SAKL 4/10 EN	**1108360000**	10
SAKL 4/30 EN	**1108460000**	10
SAKL 4/50 EN	**1108560000**	10
SAKL 4/100 EN	**1108660000**	10
SAKL 4/500 EN	**1108860000**	10
SAKL 4/1 k EN	**1108960000**	10
SAKL 4/5 k EN	**1109160000**	10
SAKL 4/10 k EN	**1109260000**	10
SAKL 4/50 k EN	**1109560000**	10
SAKL 4/100 k EN	**1109660000**	10
SAKL 4/500 k EN	**1109960000**	10
SAKL 4/2 M EN	**1110160000**	10
SAKL 4 EN (without potentiometer)	**1305160000**	

TS 32	**0122800000**	–
TS 35	**0383400000**	–
EWK 1 (8.5)	**0206160000**	50
EW 35 (8.5)	**0383560000**	50
AP PA (1.5)	**0117960000**	20
TW PA (1.5)	**0130160000**	20

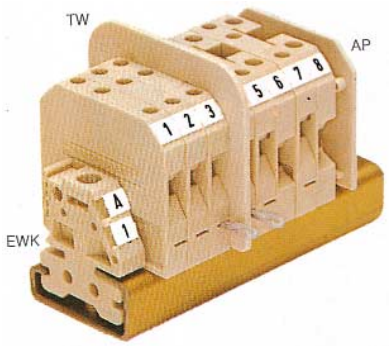
Capacity expressed in % of rated output



Ambient temperature in °C

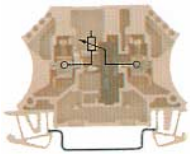
Compensating Terminals

SAKL 4/EN T





WDUL 4/...



Dimensions			
Length	mm		–/60
Height (incl. TS 32/TS 35x7.5)	mm	40	–/47
Terminal width (+ assembly tolerance 0.2)	mm	13	6
Insulation stripping length	mm	SAKL=9 mm/SAK 4=12 mm	9/10
Connection data			
Screw connection, solid core		0.5…4 mm^2	0.5…4 mm^2
Screw connection, flexible		0.5…4 mm^2	0.5…4 mm^2
Conductor cross-section		AWG 22…12	AWG 22…12
VDE rated data			
Power		1 W	1 W
Cross-section		4 mm^2	4 mm^2
Approvals			

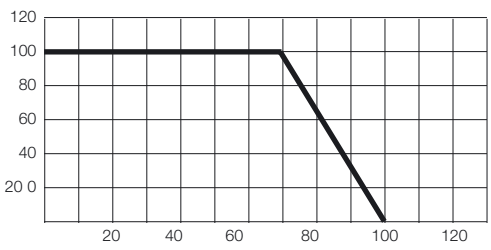
Ordering data		Type	Cat. No.	Qty.	Type	Cat. No.	Qty.
Resistance	10 Ω	SAKL 4/10 EN T	**1166360000**	5	WDUL 4/10	**1027000000**	10
	30 Ω				WDUL 4/30	**1027100000**	10
	50 Ω				WDUL 4/50	**1027200000**	10
	100 Ω	SAKL 4/100 EN T	**1166460000**	5	WDUL 4/100	**1027300000**	10
	500 Ω				WDUL 4/500	**1027400000**	10
	1 kΩ	SAKL 4/1 k EN T	**1166560000**	5	WDUL 4/1K	**1027500000**	10
	5 kΩ				WDUL 4/5K	**1027600000**	10
	10 kΩ	SAKL 4/10 k EN T	**1166660000**	5	WDUL 4/10K	**1027700000**	10
	100 kΩ				WDUL4/50K	**1027800000**	10
	500 kΩ	SAKL 4/100 EN T	**1166760000**	5	WDUL4/100K	**1027900000**	10
	2 MΩ				WDUL4/500K	**1028000000**	10
					WDUL 4/2M	**1028100000**	10
					WDUL 4 (without potentiometer)	**8161820000**	10

Accessories							
Mounting rail (2 m lengths)		TS 32	**0122800000**	–			
		TS 35	**0383400000**	–	TS 35	**0383400000**	–
End bracket (thickness mm)	for TS 32 **EWK 1** (8.5)	EWK 1 (8.5)	**0206160000**	50			
	for TS 35 **EW 35** (8.5)	EW 35 (8.5)	**0383560000**	50	EW 35 (8.5)	**0383560000**	50
End plate (thickness mm)	**AP PA** (1.5)	AP PA (1.5)	**0117960000**	20			
End plate (thickness mm)					WAP 2.5-10	**1050000000**	50
Partition (thickness mm)		TW PA (1.5)	**0130160000**	20	TW PA (1.5)	**1050100000**	20
Shielding rail					LS 2.8	**1056400000**	100
Solder lug							

Technical data for the 30 Ω compensating resistor

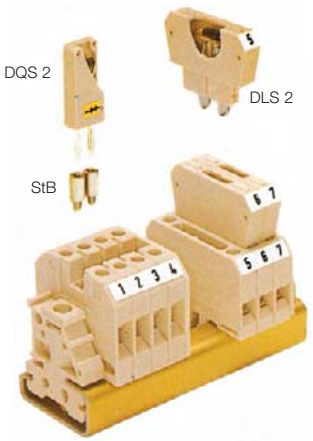
Resistor material: "Cermet"
Resistor setting range: 0…30 Ω
Wave form: linear
Temperature coefficient: ± 100 ppm/°C
Mechanical lifespan: 200 operations without permissible deviations through the entire resistance range
Resistance change per spindle turn: ≈ 1.2 Ω
Rated output for total resistance: 1 Watt at 70 °C
Rated current: 120 mA
Ambient temperature: –55 °C bis +70 °C
Sealing: 1) Leak tested in water at 70 °C without bubble formation
2) Storage in SFW 2.0 S i.a.w. DIN 50018, 9 cycles

Capacity expressed in % of rated nominal power



Ambient temperature in °C

Diode Plug



DLS 2

for SAKR-D



SAKR-D



Dimensions		
Terminal width (+ assembly tolerance 0.2)	mm	6.5
Insulation stripping length	mm	8
Connection data		
Screw connection, solid		0.5…4 mm²
Screw connection, flexible		0.5…4 mm²
Conductor cross-section		AWG 22…12
VDE rated data		
Diode current		1 A
Diode reverse voltage		1000 V
Cross-section		4 mm²

Ordering data

DLS 2 = Diode plug
for lateral disconnection
DQS 2 = Diode plug
for cross-connection

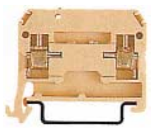
Type	Cat. No.	Qty.
DLS 2 without components	**0321060000**	50
DLS 2 with wire link	**0547660000**	50
DLS 2 with diode 1 N 4007	**0630160000**	50
DLS 2 with diode 1 N 4007	**0547760000**	50
SAKR-D, TS 32 with **DLS 2** 054776	**0263660000**	25
SAKR-D, TS 32 with **DLS 2** without components	**0413060000**	50
SAKR-D, TS 32 with test sockets and **DLS 2** without components Special design	**0413160000**	50
SAKR-D, TS 32 with test socket and 2 antiparallel diodes 1 N 4007, **without** DLS 2	**0606560000**	25
SAKR-D, TS 32	**0412960000**	100
SAKR-D, TS 32 with test sockets	**0546460000**	100

DLS 2

for SAKR-D



SAKR-D



Type	Cat. No.	Qty.
DLS 2 without components	**0321060000**	50
DLS 2 with wire link	**0547660000**	50
DLS 2 with diode 1 N 4007	**0630160000**	10
DLS 2 with diode 1 N 4007	**0547760000**	50
SAKR-D, TS 35 with **DLS 2** 054776	**0299560000**	25
SAKR-D, TS 35 with **DLS 2** without components	**0185760000**	50
SAKR-D, TS 35 with test sockets and **DLS 2** without components Special design	**1175360000**	–
SAKR-D, TS 35 with test socket and 2 antiparallel diodes 1 N 4007, **without** DLS 2	**1175460000**	–
SAKR-D, TS 35	**0299960000**	25

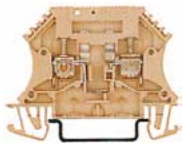
WSD 2.5



Type	Cat. No.	Qty.
WSD 2.5 without components	**1058760000**	–
WSD 2.5 with wire link	**1058660000**	–
WSD 2.5 with diode 1 N 4007	**1058560000**	–
WSD 2.5 with diode 1 N 4007	**1058460000**	–
WTR 2.5 D with WSD 2.5 105856	**1013500000**	100
WTR 2.5 D with WSD 2.5 105846	**1013600000**	100
WTR 2.5 D with WSD 2.5 105866	**1013700000**	–
WTR 2.5 D with test sockets and WSD 2.5 105856	**1013200000**	–
WTR 2.5 D with test sockets and WSD 2.5 105846	**1013300000**	–
WTR 2.5 D with test sockets and WSD 2.5 105866	**1013400000**	–

WTR 2.5 D

with diode plug
with test sockets



Type	Cat. No.	Qty.
WTR 2.5 D with diode 1 N 4007	**8017050000**	100
WTR 2.5 D with diode 1 N 4007	**8016820000**	100
WTR 2.5 D with 2 antiparallel diodes 1 N 4007	**on request**	100
WTR 2.5 D with test sockets and Diode 1 N 4007	**1014600000**	25
WTR 2.5 D with test sockets and Diode 1 N 4007	**1014700000**	25
WTR 2.5 D with test sockets and 2 antiparallel diodes 1 N 4007	**1014800000**	25

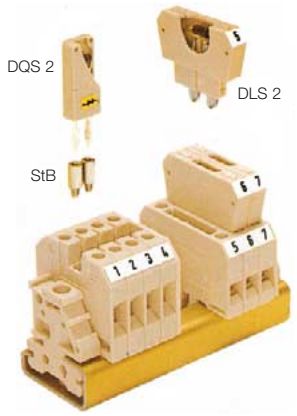
WTR 2.5 D



Dimensions		
Terminal width (+ assembly tolerance 0.2)	mm	5
Insulation stripping length	mm	10
Connection data		
Screw connection, solid		0.5…4 mm²
Screw connection, flexible		0.5…2.5 mm²
Conductor cross-section		AWG 26…12
VDE rated data		
Diode current		1 A
Diode reverse voltage		1000 V
Cross-section		2.5 mm²

Maximum values for built-in components: Length 23 mm, diameter 3.5 mm, ouput 0.5 Watt, limit temperature 100 °C

Diode Plug



DQS 2

for terminals with 6 mm width



Dimensions		
Terminal width (+ assembly tolerance 0.2)	mm	
Insulation stripping length	mm	
Connection data		
Screw connection, solid		
Screw connection, flexible		
Conductor cross-section		

VDE rated data	DQS 2	
Diode current	1 A	–
Diode reverse voltage	1000 V	24 V
Cross-section	–	–

Ordering data

DLS 2 = Diode plug
for lateral disconnection
DQS 2 = Diode plug
for cross-connection

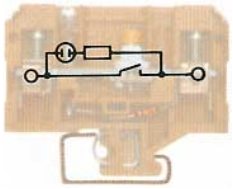
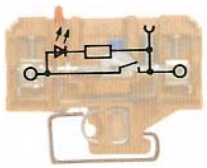
Type	Cat. No.	Qty.
DQS 2 with diode 1 N 4007	0471460000	20
DQS 2 with wire bridge	0471560000	20
DQS 2 without components	0471660000	20

Note:
To maintan the clearance and creepage distances, an end plate must be mounted between the groups of different potentials!

Maximum values for
built-in components:
- Length 10 mm
- Diameter 4 mm
- Power 0.5 Watt
- Limit temperature 100 °C

Longitudinal Disconnect Terminals

With diodes

		SAKT 1 GL			SAKT 4 LD		
							
Dimensions							
Length	mm	65		65	58		
Height (incl. TS 32)	mm	52.5		52.5	43		
Terminal width (+ assembly tolerance 0.2)	mm	8		8	6		
Insulation stripping length	mm	12		12	10		
Connection data							
Screw connection, solid		0.5…10 mm²		0.5…10 mm²	0.5…6 mm²		
Screw connection, flexible		0.5…6 mm²		0.5…6 mm²	0.5…4 mm²		
Conductor cross-section		AWG 20…8		AWG 20…8	AWG 22…12		
VDE rated data							
Voltage		115 V~		230 V~	24 V–		
Current		27 A		27 A	27 A		
Indicator current		1 0.5 mA		1 0.5 mA	1 5 mA		
Cross-section		6 mm²		6 mm²	4 mm²		
Ordering data		Type	Cat. No. Qty.	Type	Cat. No. Qty.	Type	Cat. No. Qty.
Type		SAKT 1 GL	**0333520000**	SAKT 1 GL	**0333620000**	SAKT 4 LD	**0254920000**
Cat. No.	for TS 32 ⊏⊐					Socket-contact for test plug PS 2 mm ø	
Indicator		Glow lamp		Glow lamp		LED, red	
Accessories							
Mounting rail (2 m lengths)		TS 32	**0122800000** –	TS 32	**0122800000** –	TS 32	**0122800000** –
End bracket (thickness mm)		EWK 1 (8.5)	**0206160000** 50	EWK 1 (8.5)	**0206160000** 50	EWK 1 (8.5)	**0206160000** 50
End plate (thickness mm)		AP KrG (3)	**0146720000** 20	AP KrG (3)	**0146720000** 20	AP KrG (3)	**0146720000** 20
Partition (thickness mm)		TW KrG (3)	**0242920000** 20	TW KrG (3)	**0242920000** 20		
		TW PA (1.5)	**0242960000** 20	TW PA (1.5)	**0242960000** 20		
		TW HP (0.5)	**0474700000** 20	TW HP (0.5)	**0474700000** 20		
Small partition		TSch 2	**0353660000** 100	TSch 2	**0353660000** 100	TSch 2	**0353660000** 100
Cross-connection, individual		QL 2	**0194300000** 50	QL 2	**0194300000** 50	QL 2	**0194300000** 50
Type: „QL“ (order VH and BS with it)		QL 3	**0194400000** 50	QL 3	**0194400000** 50	QL 3	**0194400000** 50
		QL 4	**0194500000** 50	QL 4	**0194500000** 50	QL 4	**0194500000** 50
		QL 10	**0338300000** 20	QL 10	**0338300000** 20	QL 10	**0338300000** 20
Connection sleeve (fits QL)		VH 12	**0249000000** 100	VH 12	**0249000000** 100	VH 8	**0266700000** 100
Fixing screw (fits QL) Cu Ni		BS M 3x20	**0377100000** 100	BS M 3x20	**0377100000** 100	BS M 3x15	**0377200000** 100
Test plug socket		StB 14	**0169900000** 50	StB 14	**0169900000** 50	StB 8.5 (ø 2)	**0244600000** –
Test plug (pin diameter)		PS (ø 4)	**0299600000** 20	PS (ø 4)	**0299600000** 20	PS (ø 2)	**0293800000** 20
						PS (ø 2.3)	**0180400000** 20
Cross-connection plug		QS 2	**0270960000** 20	QS 2	**0270960000** 20	DQS 2 (ø 2)	**0300260000** 20
Cross-connection bracket		QB 2	**0205700000** 50	QB 2	**0205700000** 50		
		QB 3	**0205800000** 50	QB 3	**0205800000** 50		
		QB 4	**0205900000** 50	QB 4	**0205900000** 50		
Cross-connection slide		QB 10	**0343800000** 20	QB 10	**0343800000** 20		
		QVS 2	**0307300000** 20	QVS 2	**0307300000** 20		
		QVS 3	**0329300000** 20	QVS 3	**0329300000** 20		
		QVS 4	**0307400000** 20	QVS 4	**0307400000** 20		
Connection sleeve for QVS		VH 19	**0318000000** 50	VH 19	**0318000000** 50		
Fixing screws for QVS		BS 25	**0334700000** 50	BS 25	**0334700000** 50		
Disconnect lock		SSP 3	**0531760000** 100	SSP 3	**0531760000** 100		

SAKT E/SAKA 10

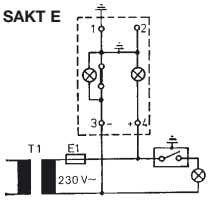




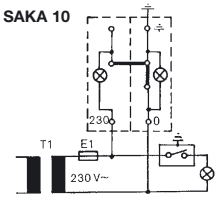
Mode of operation

Operating status

SAKT E



SAKA 10

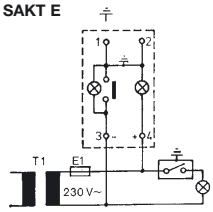


– Slide link enclosed
– Auxiliary current circuit **earthed**
– Green indicator illuminated

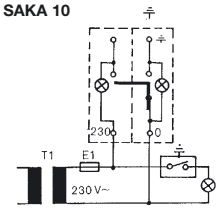
Test mode

For insulation measurements with voltages >U_{rated}, earth must be disconnected.

SAKT E



SAKA 10



– Slide link open
– Auxiliary current circuit **not earthed**
– **No** earth fault

– Green and red indicators light up with reduced intensity

– No indication

– Earth connection disconnected

For insulation measurements with voltages >U_{rated}, earth must be disconnected.

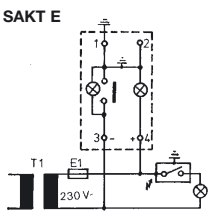
Dimensions	**SAKT E/SAKA 10**
Length mm	19/27
Height (incl. TS 32/TS 35x7.5)mm	55/82
Insulation stripping length mm	12
Connection data	
Screw connection, solid	0.5…10 mm²/16 mm²
Screw connection, flexible	0.5…6 mm²/10 mm²
Conductor cross-section	AWG 20…8

VDE rated data					
Wechselspannung	20…30 V~	40…60 V~	80…120 V~	115 V~	230 V~
Gleichspannung	10…15 V–	20…30 V–	40…60 V–	115 V–	230 V–
Current	27 A	27 A/47 A	27 A	27 A/47 A	27 A/47 A
Cross-section	6 mm²	6/10 mm²	6 mm²	6/10 mm²	6/10 mm²
Ordering data					
Type	SAKT E KrG	SAKT E KrG	SAKT E KrG	SAKT E KrG	SAKT E KrG
Cat. No. (6 mm²)					
for TS 32 ⊏	**1158720000**	**0699020000**	**0699220000**	**0698920000**	**0606820000**
Type	SAKT E/35 KrG	SAKT E/35 KrG	SAKT E/35 KrG	SAKT E/35 KrG	SAKT E/35 KrG
Cat. No. (6 mm²)					
for TS 35 ⊐	**1166820000**	**0197920000**	**0198220000**	**0198020000**	**0198120000**
Type		SAKA 10			SAKA 10
Cat. No. (10 mm²)		(24 V~)			(only 230 V~)
for TS 32 ⊏		**1174920000**			**1175020000**
Type		SAKA 10		SAKA 10	SAKA 10
Cat. No. (10 mm²)		(24 V–)		(115 V~)	(230 V~)
for TS 32 Y/TS 35 ⊐		**8150150000**		**1128820000**	**8109130000**

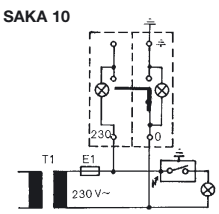
Accessories	Type	Cat. No.		Qty.	
Mounting rail (2 m lengths)	TS 32	**0122800000**		–	
	TS 35	**0383400000**		–	
End bracket (Thickn. 8.5 mm)					
for TS 32 ⊏	EWK 1	**0206160000**		50	
for TS 35 ⊐	EW 35	**0383560000**		50	

Operating status

SAKT E



SAKA 10



– Slide link open
– Auxiliary current circuit **not earthed**
– **Earth fault**
– Red indicator illuminated

Earthing auxiliary circuits

Earth faults in control current circuits must not lead to unintentional start-up or dangerous movements of a machine, or prevent its shut-down. In order to fulfill this requirement, one side of the control current circuits should be connected to the protective conductor system, with the coils and switching elements mounted accordingly.
An insulation monitoring device must be planned for control current circuits that are supplied by a transformer but not connected to the protective conductor system. The device should report an earth fault or automatically disconnect the circuit following an earth fault.
(VDE 01136.2.2)
Our earth test/disconnect terminals have been specially designed for use in control circuits. They have been designed to guarantee both a reliable and safe disconnection of the earth connection as well as to indicate the exact operating status. This terminal differentiates between the following modes of operation:

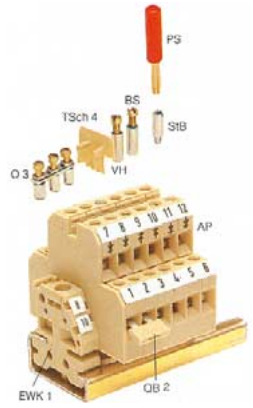
1. Operating mode
In the operating mode, the control circuit is securely connected to earth via the closed slide link. A possible earth fault can be detected with the help of a fuse or an r.c.c.b., because in the event of a fault the leakage current can be discharged to earth.

2. Test mode
In this mode, it possible to check the isolation status of the installation. The earth connection must be disconnected for isolation measurements with voltages greater than the rated voltage of the earth conductor disconnect unit.

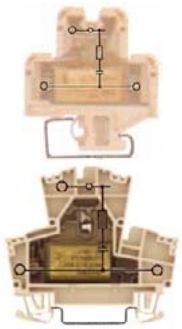
3. Fault mode
If an earth fault occurs during operation in an earthed control circuit, our earth conductor disconnect unit make it possible to switch to a non-earthed control circuit. This bridges the time required to correct the fault, i.e. the machine can continue to operate.

Terminal Blocks

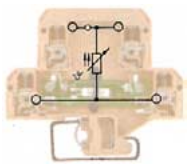
with electronic components
(other versions on request)



DK 4 RC
WDK 2.5 RC
Arc suppression circuit for contactors and solenoid valves (AC), protection module for opto-coupler inputs



DK 4 PT 100
PT 100 temperature sensor



Dimensions DK 4/WDK 2.5			
Length	mm	50	65
Height (incl. TS 32/TS 35x7.5)	mm	56.5	56.5
Terminal width (+ assembly tolerance 0.2)	mm	18	
Insulation stripping length	mm	9	6
Connection data			
Screw connection, flexible	DK 4	0.5…4 mm^2	0.5…4 mm^2
Screw connection, flexible	WDK 2.5	–	0.5…2.5 mm^2
Conductor cross-section	DK 4	AWG 22…12	AWG 22…12
Conductor cross-section	WDK 2.5	–	
VDE rated data			
Voltage		230 V~/400 V–	
Diode current		–	
Current of through-busbar		10 A	
Operating temperature range			
Diode		–	–50…+100 °C
Resistance		220 Ω	
Capacitor		0.22 µF	

Ordering data			
Type		DK 4 RC/32	DK 4 PT 100
Cat. No.	for TS 32 ⊏⎽⊐	**0692160000**	**8014730000**
Type		DK 4 RC/35	DK 4 PT 100
Cat. No.	for TS 35 ⊓⎽⊔	**0053160000**	**8014720000**
Type		WDK 2.5 RC	
Cat. No.	for TS 35 ⊓⎽⊔	**8065910000**	

Accessories DK 4[1)]		Type	Cat. No.	Qty.	Type	Cat. No.	Qty.
Mounting rail (2 m lengths)	**TS 32**	TS 32	**0122800000**	–	TS 32	**0122800000**	–
	TS 35	TS 35	**0383400000**	–	TS 35	**0383400000**	–
End bracket (thickness mm)	for TS 32 **EWK 1** (8.5)	EWK 1	**0206160000**	50	EWK 2 (15)	**0199360000**	50
	for TS 35 **EW 35** (8.5)	EW 35	**0383560000**	–	EW 35	**0383560000**	50
End plate (thickness mm)	**AP PA** (1.5)	AP PA	**0359260000**	20	AP	**0687560000**	20
Small partition	**TSch 4**	TSch 4	**0363360000**	100			
Partition (thickness mm)					TWHP (2)	**0607000000**	20
Socket for test plug		StB 8.5	**0215700000**	50			
Test plug (pin diameter ø 2.3 mm)		PS	**0180400000**	20	PS	**0180400000**	20
Contact sleeve					ASK 1	**0553300000**	100
Cross-connector (preassembled)	2-pole	-	- -				
	3-pole	-	- -				
	4-pole	Q 4	**0336600000**	50			
	10-pole	Q 10	**0368600000**	20			
Switchable cross-connection bracket							
Connection sleeve							
Fixing screw							
Cover plate							
Fixing screw (plastic)							
Cross-connection bracket					QB 2[1)]	**0482700000**	100
					QB 3[1)]	**0482800000**	50
		QB 4[1)]	**0482900000**	50	QB 4[1)]	**0482900000**	50
		QB 75 bare	**0526400000**	10	QB 75 bare	**0526400000**	10
		Insul. profile	**0526700000**	–	Insul. profile	**0526700000**	–

[1)] Accessories for WDK 2.5, see catalogue terminal blocks

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