

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

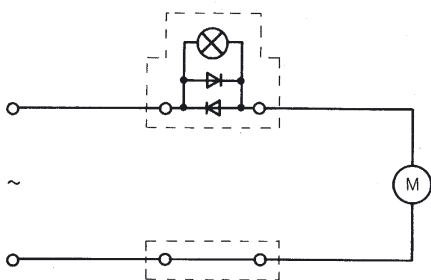
Terminal blocks with LED indicators

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**

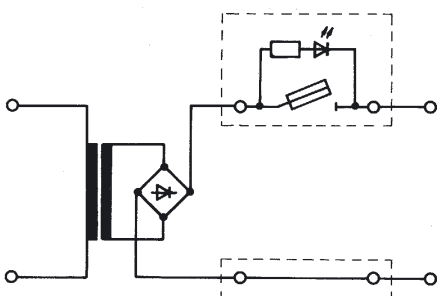
The indicated flow of current allows the operating status of the ventilator to be monitored.



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.

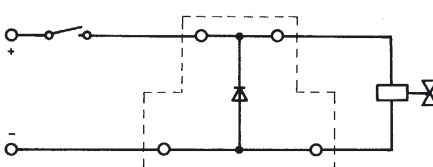
Terminal blocks with diodes

for suppressing inductivity or linking signals.

Application example:

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

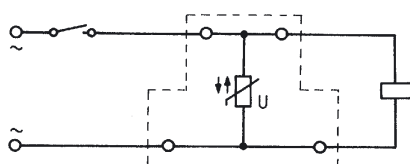
The electromagnetic energy stored in the coil fades through the diode on opening the contact.



Application example:

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

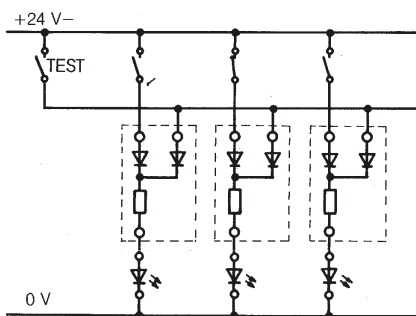
A varistor limits the peak voltage when load is switched off. This prevents arcing and related burning of the contacts.



Application example:

- **Test switch for LED display panels**

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

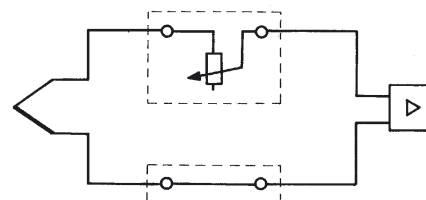


Compensating Terminals

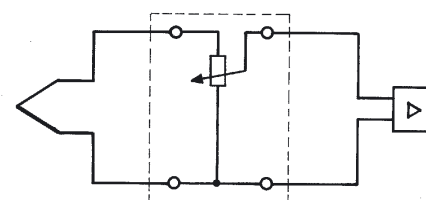
Different cable lengths and tolerances for the sensors in measurement, control and regulation technology require compensation of the circuits. A combination of a rail-mounted terminal and potentiometer is the solution: Type SAKL 4.

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:**

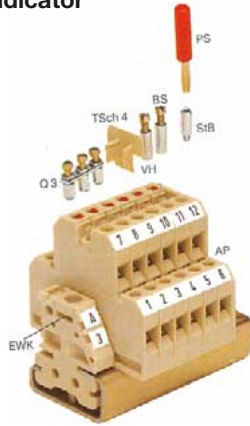
Rated insulation voltage

- **DIN VDE 0611 T.1/IEC 60 947-7-1:**

Requirements placed on terminal blocks with or without screw terminal points.

Terminal Blocks

With indicator



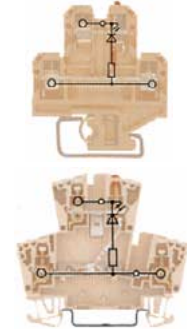
DK 4 LD WDK 2.5 LD

DC voltage indicator



DK 4 LD WDK 2.5 LD

DC voltage indicator

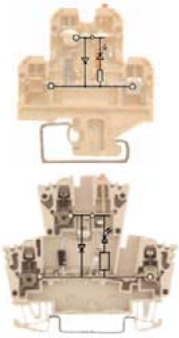


Dimension details DK 4/WDK 2.5									
Length	mm	50/69				50/69			
Height (incl. TS 32/TS 35x7.5)	mm	56.5/63				56.5/63			
Terminal width (+ assembly tolerance 0.2)	mm	6/5				6/5			
Insulation stripping length	mm	9/10				9/10			
Connection data									
Screw connection, flexible	DK 4	0.5...4 mm ²				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 mm²

DK 4 LD

DC **voltage** indicator



50
56.5
6
9
0.5...4 mm ²
0.5...2.5 mm ²
AWG 22...12
-
10 A
4 mm ²
-
< 5 mA
24 V~
24 V~
red
green

DK 4 LD/32 **0210160000** DK 4 LD/32 **0210360000**

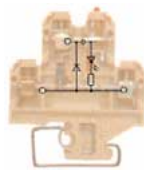
DK 4 LD/35 **0210260000** DK 4 LD/35 **0210460000**

WDK 2.5 LD **8019050000** WDK 2.5 LD **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 mm ²
0.5...2.5 mm ²
AWG 22...12
-
10 A
4 mm ²
-
< 5 mA
24 V~
24 V~
red
green

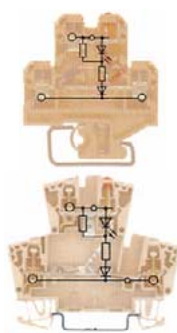
DK 4 LD/32 **0209760000** DK 4 LD/32 **0209960000**

DK 4 LD/35 **0209860000** DK 4 LD/35 **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 mm ²
0.5...2.5 mm ²
AWG 22...12
AWG 26...12
10 A
4 mm ²
2.5 mm ²
< 5 mA
24 V~
48 V~
115 V~
230 V~
red
red
red
red

DK 4 LD/32 **0495460000** DK 4 LD/32 **0632860000** DK 4 LD/32 **0586560000** DK 4 LD/32 **1111460000**

DK 4 LD/35 **0395960000** DK 4 LD/35 **0396060000** DK 4 LD/35 **0396160000** DK 4 LD/35 **1111560000**

WDK 2.5 LD **8006320000** WDK 2.5 LD **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 mm ²
0.5...2.5 mm ²
AWG 22...12
AWG 26...12
10 A
4 mm ²
2.5 mm ²
< 5 mA
115 V~
230 V~
Glow lamp

DK 4GL/32 **0569560000** DK 4 GL/32 **0509560000**

DK 4 GL/35 **0396260000** DK 4 GL/35 **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 mm ²
0.5...4 mm ²
AWG 22...12
-
10 A
4 mm ²
-
< 5 mA
230~
Glow lamp

DK 4 Q GL/35 **1120260000**

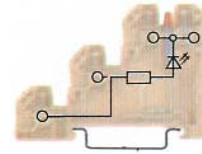
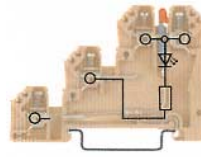
Type	Cat. No.	Qty.
TS 35	0383400000	-
EWK 1	0206160000	50
EW 35	0383560000	50
TSch 4	0363360000	100
QB 2 ¹⁾	0482700000	100
QB 3 ¹⁾	0482800000	50
QB 4 ¹⁾	0482900000	50
QB 75 bare	0526400000	10
Insulation profile	0526700000	-


Terminal Blocks

With indicator

DLI 2.5 LD/35 PNP

DLI 2.5 LD/35 NPN

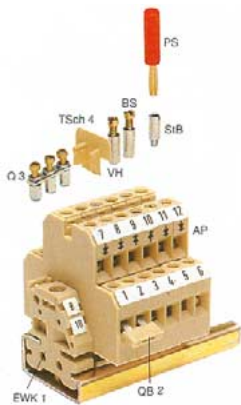


Dimensions							
Length	mm	65		65			
Height (incl. TS 32/TS 35x7.5)	mm	-/49		-/49			
Terminal width (+ assembly tolerance 0.2)	mm	6		6			
Insulation stripping length	mm	7		7			
Connection data							
Screw connection, solid core		0.5...2.5 mm ²		0.5...2.5 mm ²			
Screw connection, flexible		0.5...2.5 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)		-	-	-	-	-	-
End bracket (thickness mm)		TS 35	0383400000	-	TS 35	0383400000	-
	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)



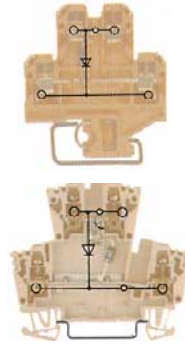
DK 4 D WDK 2.5 D

Diode terminal, i.e. as reverse voltage protection



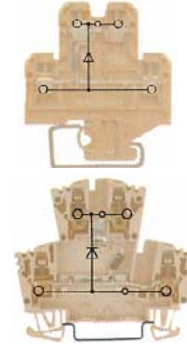
DK 4 D WDK 2.5 D

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
Height (incl. TS 32/TS 35x7.5)	mm	56.5/63
Terminal width (+ assembly tolerance 0.2)	mm	6/5
Insulation stripping length	mm	9/10

Connection data	
Screw connection, flexible	DK 4
Screw connection, flexible	WDK 2.5
Conductor cross-section	DK 4
Conductor cross-section	WDK 2.5

VDE rated data	
Voltage	380 V~
Diode reverse voltage	1000 V
Diode current	1 A
Current of through-basbar	10 A

Diode	1 N 4007
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Terminal colour

Ordering data

Type	DK 4 D/32
Cat. No.	for TS 32 0544660000

Type	DK 4 D/35
Cat. No.	for TS 35 0396360000

Type	WDK 2.5 D
Cat. No.	for TS 35 8025610000

Accessories DK 4¹⁾

Mounting rail (2 m lengths)	TS 32
	TS 35
End bracket (thickness mm)	for TS 32 EWK 1 (8.5)
	for TS 35 EW 35 (8.5)
End plate (thickness mm)	AP PA (1.5)
Small partition	TSch 4
Socket contact for test plug	
Test plug (pin diameter ø 2.3 mm)	
Cross-connector (pre-assembled)	2-pole
	3-pole
	4-pole
	10-pole
Switchable cross-connecting link	
Connection sleeve	
Fixing screw	
Cover plate	
Fixing screw (plastic)	
Cross-connecting bridge	

Type	DK 4 D/32
Cat. No.	0544660000
Type	DK 4 D/35
Cat. No.	0396360000
Type	WDK 2.5 D
Cat. No.	8025610000

Type	DK 4 D/32	DK 4 D/32
Cat. No.	0484060000	0484080000
Type	DK 4 D/35	DK 4 D/35
Cat. No.	0538960000	0538980000
Type	WDK 2.5 D	WDK 2.5 D
Cat. No.	1023400000	1023400000

Type	DK 4 D/32	DK 4 D/32
Cat. No.	0467960000	0467980000
Type	DK 4 D/35	DK 4 D/35
Cat. No.	0538860000	0538880000
Type	WDK 2.5 D	WDK 2.5 D
Cat. No.	1023300000	1023300000

Type	Cat. No.	Qty.
TS 32	0122800000	-
TS 35	0383400000	-
EWK 1	0206160000	50
EW 35	0383560000	-
AP PA	0359260000	20
WAP/DK 2.5	1059100000	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
BSM 2.5x14	0266800000	100
AD 4 (4 term.)	0303400000	50
BSKM 2.5x18	0303300000	100
QB 2 ²⁾	0482700000	100
QB 3 ²⁾	0482800000	50
QB 4 ²⁾	0482900000	50
QB 75 bare	0526400000	10
Insul. profile	0526700000	-

Type	Cat. No.	Qty.
TS 32	0122800000	-
TS 35	0383400000	-
EWK 1	0206160000	50
EW 35	0383560000	-
AP PA	0359260000	20
WAP/DK 2.5	1059100000	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
BSM 2.5x14	0266800000	100
AD 4 (4 term.)	0303400000	50
BSKM 2.5x18	0303300000	100
QB 2 ²⁾	0482700000	100
QB 3 ²⁾	0482800000	50
QB 4 ²⁾	0482900000	50
QB 75 bare	0526400000	10
Insul. profile	0526700000	-

Type	Cat. No.	Qty.
TS 32	0122800000	-
TS 35	0383400000	-
EWK 1	0206160000	50
EW 35	0383560000	-
AP PA	0359260000	20
WAP/DK 2.5	1059100000	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
BSM 2.5x14	0266800000	100
AD 4 (4 term.)	0303400000	50
BSKM 2.5x18	0303300000	100
QB 2 ²⁾	0482700000	100
QB 3 ²⁾	0482800000	50
QB 4 ²⁾	0482900000	50
QB 75 bare	0526400000	10
Insul. profile	0526700000	-

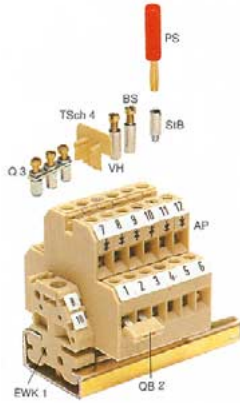
¹⁾ Accessories for WDK 2.5 see sectional catalogue: Terminals

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

Terminal Blocks

With diodes

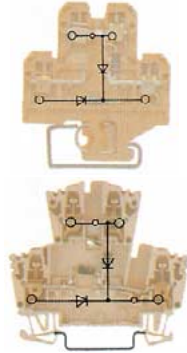
(other versions on request)



DK 4 D

WDK 2.5 D

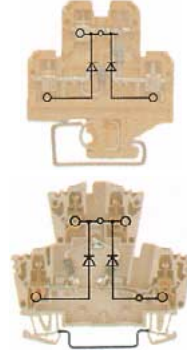
Diode terminals for lamp test circuits



DK 4 D

WDK 2.5 D

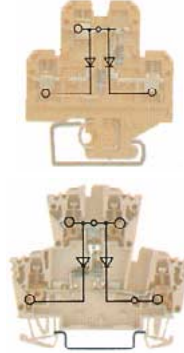
Diode terminals for lamp test circuits



DK 4 D

WDK 2.5 D

Diode terminals for lamp test circuits



DKT 4 D

Diode terminal for central control circuits



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	

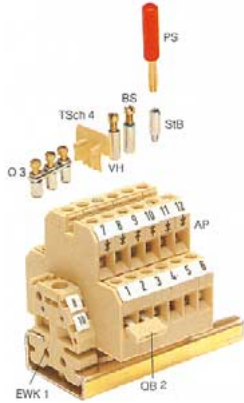
Accessories DK 41)		Type	Cat. No.	Qty.	Type	Cat. No.	Qty.	Type	Cat. No.	Qty.	Type	Cat. No.	Qty.
Mounting rail (2 m lengths)	TS 32	TS 32	0122800000	-	TS 32	0122800000	-	TS 32	0122800000	-	TS 32	0122800000	-
	TS 35	TS 35	0383400000	-	TS 35	0383400000	-	TS 35	0383400000	-	TS 35	0383400000	-
End bracket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

Terminal Blocks

With electronic components

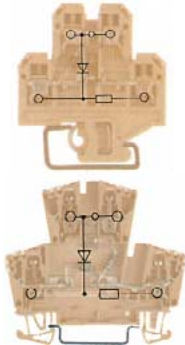
(other versions on request)



DK 4 D

WDK 2.5 D

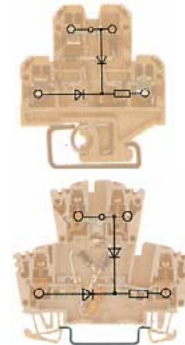
Diode terminal for lamp test circuits, with series resistor



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
Height (incl. TS 32/TS 35x7.5)	mm
Terminal width (+ assembly tolerance 0.2)	mm
Insulation stripping length	mm
Connection data	
Screw connection, flexible	DK 4
Screw connection, flexible	WDK 2.5
Conductor cross-section	DK 4
Conductor cross-section	WDK 2.5
VDE rated data	
Voltage	24 V-
Diode current	1 A
Current of through-busbar	10 A
Operating temperature range	
Diode	1 N 4007
Resistance	1.5 kΩ
Capacitor	-
Ordering data	
Type	DK 4 D/32
Cat. No.	for TS 32 0685260000
Type	DK 4 D/35
Cat. No.	for TS 35 0396960000
Type	WDK 2.5 D
Cat. No.	for TS 35 8016940000
Accessories DK 4 ¹⁾	
Mounting rail (2 m lengths)	TS 32
	TS 35
End bracket (thickness mm)	for TS 32 EWK 1 (8.5)
	for TS 35 EW 35 (8.5)
End plate (thickness mm)	AP PA (1.5)
Small partition	TSch 4
Partition (thickness mm)	
Socket for test plug	
Test plug (pin diameter ø 2.3 mm)	
Contact sleeve	
Cross-connector (pre-assembled)	2-pole
	3-pole
	4-pole
	10-pole
Switchable cross-connecting link	
Connection sleeve	
Fixing screw	
Cover plate	
Fixing screw (plastic)	
Cross-connecting bridge	

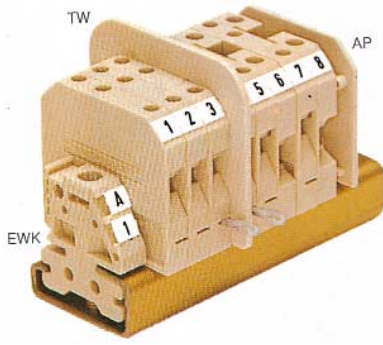
50/69		
56.5/63		
6/5		
9/10		
0.5...4 mm ²		
0.5...2.5 mm ²		
AWG 22...12		
AWG 26...12		
24 V-		
1 A		
10 A		
1 N 4007		
1.5 kΩ		
-		
DK 4 D/32		
0685260000		
DK 4 D/35		
0396960000		
WDK 2.5 D		
8016940000		
Type	Cat. No.	Qty.
TS 32	0122800000	-
TS 35	0383400000	-
EWK 1	0206160000	50
EW 35	0383560000	-
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
AD 4 (4 term.)	0303400000	50
BSKM 2.5x18	0303300000	100
QB 2 ²⁾	0482700000	100
QB 3 ²⁾	0482800000	50
QB 4 ²⁾	0482900000	50
QB 75 bare	0526400000	10
Insul. profile	0526700000	-

50/69		
56.5/63		
6/5		
9/10		
0.5...4 mm ²		
0.5...2.5 mm ²		
AWG 22...12		
AWG 26...12		
24 V-		
1 A		
10 A		
1 N 4007		
1.5 kΩ		
-		
DK 4 D/32		
0159160000		
DK 4 D/35		
0181560000		
WDK 2.5 D		
8012260000		
Type	Cat. No.	Qty.
TS 32	0122800000	-
TS 35	0383400000	-
EWK 1	0206160000	50
EW 35	0383560000	-
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
AD 4 (4 term.)	0303400000	50
BSKM 2.5x18	0303300000	100
QB 2 ²⁾	0482700000	100
QB 3 ²⁾	0482800000	50
QB 4 ²⁾	0482900000	50
QB 75 bare	0526400000	10
Insul. profile	0526700000	-

¹⁾ Accessories for WDK 2.5 see sectional catalogue: Terminals

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

Compensating Terminals

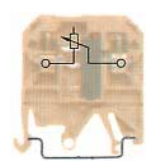
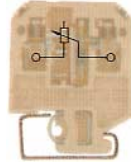


SAKL 4/ ...

SAKL 4/ ... L

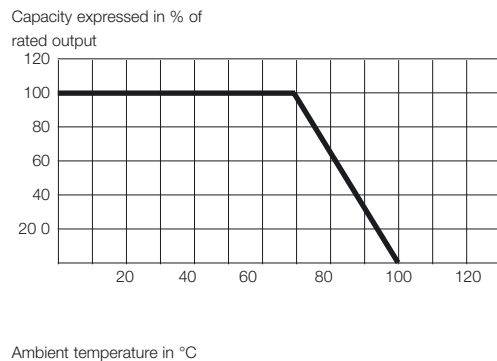
SAKL 4/ ... R

SAKL 4/ ... EN



Dimensions	
Length	mm
Height (incl. TS 32/TS 35x7.5)	mm
Terminal width (+ assembly tolerance 0.2)	mm
Insulation stripping length	mm
Connection data	
Screw connection, solid core	
Screw connection, flexible	
Conductor cross-section	
VDE rated data	
Power	
Cross-section	
Approvals	
Ordering data	
Resistance	10 Ω
	30 Ω
	50 Ω
	100 Ω
	500 Ω
	1 kΩ
	5 kΩ
	10 kΩ
	100 kΩ
	500 kΩ
	2 MΩ
Accessories	
Mounting rail (2 m lengths)	
End bracket (thickness mm)	for TS 32 EWK 1 (8.5) for TS 35 EW 35 (8.5)
End plate (thickness mm)	AP PA (1.5)
End plate (thickness mm)	
Partition (thickness mm)	
Shielding rail	
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

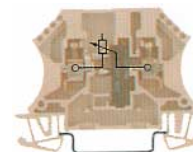
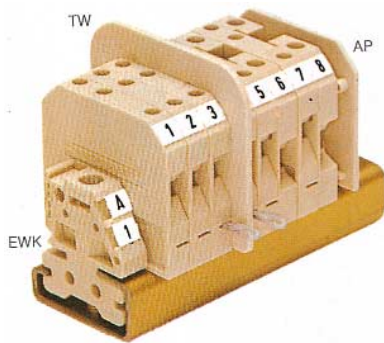
SAKL 4/ ...		SAKL 4/ ... L		SAKL 4/ ... R		SAKL 4/ ... EN	
Type	Cat. No.	Type	Cat. No.	Type	Cat. No.	Type	Cat. No.
Length	40	60	51.5	40	41.5		
Height (incl. TS 32/TS 35x7.5)	51.5	51.5	51.5	40	41.5/48		
Terminal width (+ assembly tolerance 0.2)	6.5	6.5	6.5	13	6.5		
Insulation stripping length	9	9	9	SAKL=9 mm/SAK 4=12 mm	9		
Screw connection, solid core	0.5...4 mm ²	0.5...4 mm ² /solder 1.5 mm ²	0.5...4 mm ²	0.5...4 mm ²	0.5...4 mm ²		
Screw connection, flexible	0.5...4 mm ²	0.5...4 mm ² /solder 1.5 mm ²	0.5...4 mm ²	0.5...4 mm ²	0.5...4 mm ²		
Conductor cross-section	AWG 22...12	AWG 22...12	AWG 22...12	AWG 22...12	AWG 22...12		
Power	1 W	1 W	1 W	1 W	1 W		
Cross-section	4 mm ²	4 mm ²	4 mm ²	4 mm ²	4 mm ²		
Approvals	UL	UL	UL	UL	UL		
Resistance	10 Ω	SAKL 4/10 PA 0649160000 10	SAKL 4/30 LPA 0572860000 10	SAKL 4/30 R PA 0526260000 5	SAKL 4/10 EN 1108360000 10		
	30 Ω	SAKL 4/30 PA 0524060000 10			SAKL 4/30 EN 1108460000 10		
	50 Ω	SAKL 4/50 PA 0649060000 10			SAKL 4/50 EN 1108560000 10		
	100 Ω	SAKL 4/100 PA 0643260000 10			SAKL 4/100 EN 1108660000 10		
	500 Ω	SAKL 4/500 PA 0643860000 10			SAKL 4/500 EN 1108860000 10		
	1 kΩ	SAKL 4/1 k PA 0648960000 10			SAKL 4/1 k EN 1108960000 10		
	5 kΩ	SAKL 4/5 k PA 0648860000 10			SAKL 4/5 k EN 1109160000 10		
	10 kΩ	SAKL 4/10 k PA 0632260000 10			SAKL 4/10 k EN 1109260000 10		
	100 kΩ	SAKL 4/50 k PA 0647860000 10			SAKL 4/50 k EN 1109560000 10		
	500 kΩ	SAKL 4/100 k PA 0649260000 10			SAKL 4/100 k EN 1109660000 10		
	2 MΩ	SAKL 4/500 k PA 0649560000 10			SAKL 4/500 k EN 1109960000 10		
		SAKL 4/32 0643760000 10 (without potentiometer)			SAKL 4/2 M EN 1110160000 10		
					SAKL 4 EN 1305160000 (without potentiometer)		
Mounting rail (2 m lengths)	TS 32 0122800000 -	TS 32 0122800000 -	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	EWK 1 (8.5) 0206160000 50	EWK 1 (8.5) 0206160000 50		
End plate (thickness mm)	AP PA (1.5) 0117960000 20	AP PA (1.5) 0117960000 20	AP PA (1.5) 0117960000 20	AP PA (1.5) 0117960000 20	AP PA (1.5) 0117960000 20		
End plate (thickness mm)							
Partition (thickness mm)							
Shielding rail	TW PA (1.5) 0130160000 20	TW PA (1.5) 0130160000 20	TW PA (1.5) 0130160000 20	TW PA (1.5) 0130160000 20	TW PA (1.5) 0130160000 20		
Solder lug		LÖFA SAKL 2.5 L 2026140000 100					



Compensating Terminals

SAKL 4/EN T

WDUL 4/...



Dimensions

Length	mm
Height (incl. TS 32/TS 35x7.5)	mm
Terminal width (+ assembly tolerance 0.2)	mm
Insulation stripping length	mm

Connection data

Screw connection, solid core	0.5...4 mm ²
Screw connection, flexible	0.5...4 mm ²

Conductor cross-section

AWG 22...12

VDE rated data

Power	1 W
Cross-section	4 mm ²

Approvals

Ordering data

Resistance	10 Ω
	30 Ω
	50 Ω
	100 Ω
	500 Ω
	1 kΩ
	5 kΩ
	10 kΩ
	100 kΩ
	500 kΩ
	2 MΩ

Accessories

Mounting rail (2 m lengths)	
End bracket (thickness mm)	for TS 32 EWK 1 (8.5)
	for TS 35 EW 35 (8.5)
End plate (thickness mm)	AP PA (1.5)
End plate (thickness mm)	
Partition (thickness mm)	
Shielding rail	
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

Dimensions

Length	mm
Height (incl. TS 32/TS 35x7.5)	mm
Terminal width (+ assembly tolerance 0.2)	mm
Insulation stripping length	mm

Connection data

Screw connection, solid core	0.5...4 mm ²
Screw connection, flexible	0.5...4 mm ²

Conductor cross-section

AWG 22...12

VDE rated data

Power	1 W
Cross-section	4 mm ²

Approvals

Type	Cat. No.	Qty.
SAKL 4/10 EN T	1166360000	5
SAKL 4/100 EN T	1166460000	5
SAKL 4/1 kENT	1166560000	5
SAKL 4/10 kENT	1166660000	5
SAKL 4/100 EN T	1166760000	5

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

Dimensions

Length	mm
Height (incl. TS 32/TS 35x7.5)	mm
Terminal width (+ assembly tolerance 0.2)	mm
Insulation stripping length	mm

Connection data

Screw connection, solid core	0.5...4 mm ²
Screw connection, flexible	0.5...4 mm ²

Conductor cross-section

AWG 22...12

VDE rated data

Power	1 W
Cross-section	4 mm ²

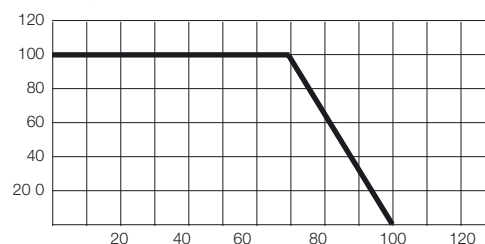
Approvals

Type	Cat. No.	Qty.
WDUL 4/10	1027000000	10
WDUL 4/30	1027100000	10
WDUL 4/50	1027200000	10
WDUL 4/100	1027300000	10
WDUL 4/500	1027400000	10
WDUL 4/1K	1027500000	10
WDUL 4/5K	1027600000	10
WDUL 4/10K	1027700000	10
WDUL 4/50K	1027800000	10
WDUL 4/100K	1027900000	10
WDUL 4/500K	1028000000	10
WDUL 4/2M	1028100000	10
WDUL 4	8161820000	10

(without potentiometer)

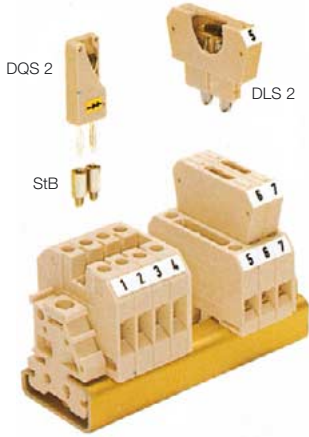
TS 35	0383400000	-
EW 35 (8.5)	0383560000	50
WAP 2.5-10	1050000000	50
TW PA (1.5)	1050100000	20
LS 2.8	1056400000	100

Capacity expressed in % of rated nominal power



Ambient temperature in °C

Diode Plug



DLS 2

for SAKR-D



DLS 2

for SAKR-D



WSD 2.5

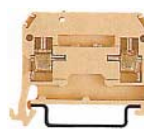


WTR 2.5 D

SAKR-D

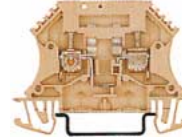


SAKR-D



WTR 2.5 D

with diode plug
with test sockets



Dimensions

Terminal width (+ assembly tolerance 0.2)	mm
Insulation stripping length	mm

Connection data

Screw connection, solid	0.5...4 mm ²
Screw connection, flexible	0.5...4 mm ²
Conductor cross-section	AWG 22...12

VDE rated data

Diode current	1 A
Diode reverse voltage	1000 V
Cross-section	4 mm ²

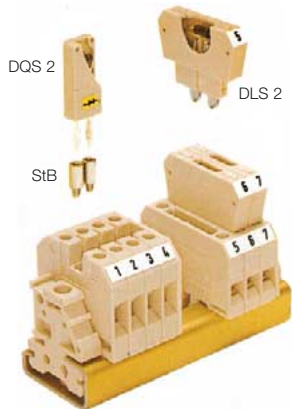
Ordering data

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

Type	Cat. No.	Qty.	Type	Cat. No.	Qty.	Type	Cat. No.	Qty.	Type	Cat. No.	Qty.
DLS 2	0321060000		DLS 2	0321060000		WSD 2.5	1058760000		WTR 2.5 D	8017050000	
without components	50		without components	50		without components	–				100
DLS 2	0547660000		DLS 2	0547660000		WSD 2.5	1058660000				
with wire link	50		with wire link	50		with wire link	–				
DLS 2	0630160000		DLS 2	0630160000		WSD 2.5	1058560000		WTR 2.5 D	8016820000	
with diode	50		with diode	10		with diode	–				100
1 N 4007			1 N 4007			1 N 4007			1 N 4007		
DLS 2	0547760000		DLS 2	0547760000		WSD 2.5	1058460000				
with diode	50		with diode	50		with diode	–		WTR 2.5 D	on request	
1 N 4007			1 N 4007			1 N 4007					100
SAKR-D, TS 32	0263660000		SAKR-D, TS 35	0299560000		WTR 2.5 D	1013500000				
with DLS 2	25		with DLS 2	25		with WSD 2.5	100				
054776			054776			105856			with 2 antiparallel		
SAKR-D, TS 32	0413060000		SAKR-D, TS 35	0185760000		WTR 2.5 D	1013600000		diodes 1 N 4007		
with DLS 2	50		with DLS 2	50		with WSD 2.5	100		WTR 2.5 D	1014600000	
without components			without components			105846					25
SAKR-D, TS 32	0413160000		SAKR-D, TS 35	1175360000		WTR 2.5 D	1013700000				
with test sockets	50		with test sockets	–		with WSD 2.5	–		with test sockets and		
and DLS 2 without components			and DLS 2 without components			105866			Diode 1 N 4007		
Special design			Special design			WTR 2.5 D	1013200000		WTR 2.5 D	1014700000	
SAKR-D, TS 32	0606560000		SAKR-D, TS 35	1175460000		with test sockets	–				25
with test socket	25		with test socket	–		and WSD 2.5					
and 2 antiparallel diodes			and 2 antiparallel diodes			105856			with test sockets and		
1 N 4007, without DLS 2			1 N 4007, without DLS 2			WTR 2.5 D	1013300000		Diode 1 N 4007		
SAKR-D, TS 32	0412960000		SAKR-D, TS 35	0299960000		with test sockets	–		WTR 2.5 D	1014800000	
without components	100		without components	25		and WSD 2.5					25
SAKR-D, TS 32	0546460000					105846					
with test sockets	100					WTR 2.5 D	1013400000				
						with test sockets	–		with test sockets and		
						and WSD 2.5			2 antiparallel diodes		
						105866			1 N 4007		

Maximum values for built-in components: Length 23 mm, diameter 3.5 mm, output 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

Diode current	
Diode reverse voltage	
Cross-section	

Ordering data

DLS 2 = Diode plug
for lateral disconnection

DQS 2 = Diode plug
for cross-connection

DQS 2		
1 A	-	
1000 V	24 V	
-	-	
Type	Cat. No.	Qty.
DQS 2	0471460000	
with diode		20
1 N 4007		
DQS 2	0471560000	
with wire bridge		20
DQS 2	0471660000	
without components		20

Note:

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

Maximum values for built-in components:

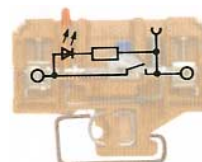
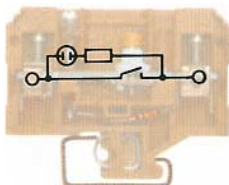
- Length 10 mm
- Diameter 4 mm
- Power 0.5 Watt
- Limit temperature 100 °C

Longitudinal Disconnect Terminals

With diodes

SAKT 1 GL

SAKT 4 LD



Dimensions

Length	mm	65
Height (incl. TS 32)	mm	52.5
Terminal width (+ assembly tolerance 0.2)	mm	8
Insulation stripping length	mm	12

Connection data

Screw connection, solid	0.5...10 mm ²
Screw connection, flexible	0.5...6 mm ²
Conductor cross-section	AWG 20...8

VDE rated data

Voltage	115 V~
Current	27 A
Indicator current	1 0.5 mA
Cross-section	6 mm ²

Ordering data

Type	SAKT 1 GL
Cat. No.	0333520000

Accessories

Mounting rail (2 m lengths)	TS 32	0122800000	-
End bracket (thickness mm)	EWK 1 (8.5)	0206160000	50
End plate (thickness mm)	AP KrG (3)	0146720000	20
Partition (thickness mm)	TW KrG (3)	0242920000	20
	TW PA (1.5)	0242960000	20
	TW HP (0.5)	0474700000	20
Small partition	TSch 2	0353660000	100
Cross-connection, individual	QL 2	0194300000	50
Type: „QL“ (order VH and BS with it)	QL 3	0194400000	50
	QL 4	0194500000	50
	QL 10	0338300000	20
	VH 12	0249000000	100
Connection sleeve (fits QL)	BS M 3x20	0377100000	100
Fixing screw (fits QL) Cu Ni	StB 14	0169900000	50
Test plug socket	PS (ø 4)	0299600000	20
Test plug (pin diameter)	QS 2	0270960000	20
	QB 2	0205700000	50
	QB 3	0205800000	50
	QB 4	0205900000	50
Cross-connection slide	QB 10	0343800000	20
	QVS 2	0307300000	20
	QVS 3	0329300000	20
	QVS 4	0307400000	20
Connection sleeve for QVS	VH 19	0318000000	50
Fixing screws for QVS	BS 25	0334700000	50
Disconnect lock	SSP 3	0531760000	100

Dimensions

Length	mm	65
Height (incl. TS 32)	mm	52.5
Terminal width (+ assembly tolerance 0.2)	mm	8
Insulation stripping length	mm	12

Connection data

Screw connection, solid	0.5...10 mm ²
Screw connection, flexible	0.5...6 mm ²
Conductor cross-section	AWG 20...8

VDE rated data

Voltage	230 V~
Current	27 A
Indicator current	1 0.5 mA
Cross-section	6 mm ²

Ordering data

Type	SAKT 1 GL
Cat. No.	0333620000

Accessories

Mounting rail (2 m lengths)	TS 32	0122800000	-
End bracket (thickness mm)	EWK 1 (8.5)	0206160000	50
End plate (thickness mm)	AP KrG (3)	0146720000	20
Partition (thickness mm)	TW KrG (3)	0242920000	20
	TW PA (1.5)	0242960000	20
	TW HP (0.5)	0474700000	20
Small partition	TSch 2	0353660000	100
Cross-connection, individual	QL 2	0194300000	50
Type: „QL“ (order VH and BS with it)	QL 3	0194400000	50
	QL 4	0194500000	50
	QL 10	0338300000	20
	VH 12	0249000000	100
Connection sleeve (fits QL)	BS M 3x20	0377100000	100
Fixing screw (fits QL) Cu Ni	StB 14	0169900000	50
Test plug socket	PS (ø 4)	0299600000	20
Test plug (pin diameter)	QS 2	0270960000	20
	QB 2	0205700000	50
	QB 3	0205800000	50
	QB 4	0205900000	50
Cross-connection slide	QB 10	0343800000	20
	QVS 2	0307300000	20
	QVS 3	0329300000	20
	QVS 4	0307400000	20
Connection sleeve for QVS	VH 19	0318000000	50
Fixing screws for QVS	BS 25	0334700000	50
Disconnect lock	SSP 3	0531760000	100

Dimensions

Length	mm	65
Height (incl. TS 32)	mm	52.5
Terminal width (+ assembly tolerance 0.2)	mm	8
Insulation stripping length	mm	12

Connection data

Screw connection, solid	0.5...6 mm ²
Screw connection, flexible	0.5...4 mm ²
Conductor cross-section	AWG 22...12

VDE rated data

Voltage	24 V~
Current	27 A
Indicator current	1 5 mA
Cross-section	4 mm ²

Ordering data

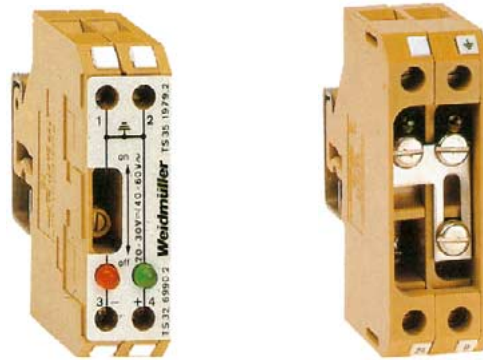
Type	SAKT 4 LD
Cat. No.	0254920000

Accessories

Mounting rail (2 m lengths)	TS 32	0122800000	-
End bracket (thickness mm)	EWK 1 (8.5)	0206160000	50
End plate (thickness mm)	AP KrG (3)	0146720000	20
Partition (thickness mm)	TW KrG (3)	0242920000	20
	TW PA (1.5)	0242960000	20
	TW HP (0.5)	0474700000	20
Small partition	TSch 2	0353660000	100
Cross-connection, individual	QL 2	0194300000	50
Type: „QL“ (order VH and BS with it)	QL 3	0194400000	50
	QL 4	0194500000	50
	QL 10	0338300000	20
	VH 8	0266700000	100
Connection sleeve (fits QL)	BS M 3x15	0377200000	100
Fixing screw (fits QL) Cu Ni	StB 8.5 (ø 2)	0244600000	-
Test plug socket	PS (ø 2)	0293800000	20
Test plug (pin diameter)	PS (ø 2.3)	0180400000	20
Cross-connection plug	DQS 2 (ø 2)	0300260000	20
Cross-connection bracket	QS 2	0270960000	20
	QB 2	0205700000	50
	QB 3	0205800000	50
	QB 4	0205900000	50
Cross-connection slide	QB 10	0343800000	20
	QVS 2	0307300000	20
	QVS 3	0329300000	20
	QVS 4	0307400000	20
Connection sleeve for QVS	VH 19	0318000000	50
Fixing screws for QVS	BS 25	0334700000	50
Disconnect lock	SSP 3	0531760000	100

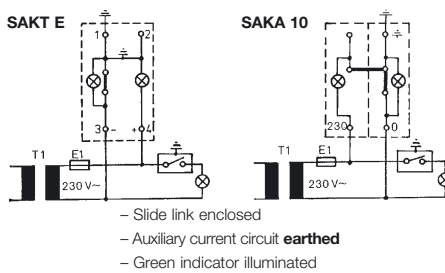
Earth Test/Disconnect Terminals

SAKT E/SAKA 10



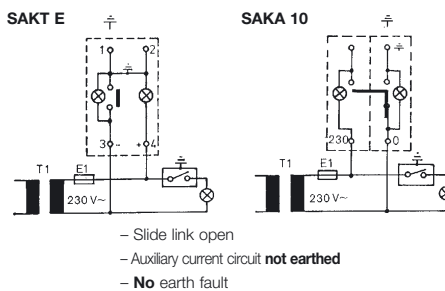
Mode of operation

Operating status



Test mode

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



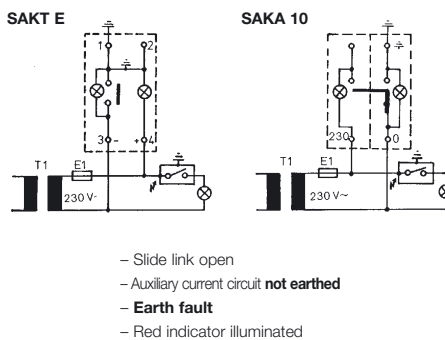
- Green and red indicators light up with reduced intensity

- No indication

- Earth connection disconnected

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

Operating status



Dimensions

Length mm 19/27
Height (incl. TS 32/TS 35x7.5)mm 55/82

Insulation stripping length mm 12

Connection data

Screw connection, solid
Screw connection, flexible
Conductor cross-section

SAKT E/SAKA 10

19/27
55/82

12

0.5...10 mm²/16 mm²
0.5...6 mm²/10 mm²
AWG 20...8

VDE rated data

Wechselspannung
Gleichspannung
Current
Cross-section

20...30 V~	40...60 V~	80...120 V~	115 V~	230 V~
10...15 V-	20...30 V-	40...60 V-	115 V-	230 V-
27 A	27 A/47 A	27 A	27 A/47 A	27 A/47 A
6 mm ²	6/10 mm ²	6 mm ²	6/10 mm ²	6/10 mm ²

Ordering data

Type
Cat. No. (6 mm²)
for TS 32

SAKT E KrG	SAKT E KrG	SAKT E KrG	SAKT E KrG	SAKT E KrG
1158720000	0699020000	0699220000	0698920000	0606820000

Type
Cat. No. (6 mm²)
for TS 35

SAKT E/35 KrG	SAKT E/35 KrG	SAKT E/35 KrG	SAKT E/35 KrG	SAKT E/35 KrG
1166820000	0197920000	0198220000	0198020000	0198120000

Type
Cat. No. (10 mm²)
for TS 32

SAKA 10	SAKA 10	SAKA 10	SAKA 10	SAKA 10
(24 V~)	(24 V~)	(24 V~)	(24 V~)	(24 V~)
1174920000				1175020000

Type
Cat. No. (10 mm²)
for TS 32 Y/TS 35

SAKA 10	SAKA 10	SAKA 10	SAKA 10	SAKA 10
(24 V~)	(24 V~)	(115 V~)	(115 V~)	(230 V~)
8150150000		1128820000		8109130000

Accessories

Mounting rail (2 m lengths)
TS 32
TS 35

Type	Cat. No.	Qty.
TS 32	0122800000	-
TS 35	0383400000	-

End bracket

(Thickn. 8.5 mm)
for TS 32
for TS 35

EWK 1	0206160000	50
EW 35	0383560000	50

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 is possible to check the isolation status of the installation. The earth connection must be disconnected for insulation measurements with voltages greater than the rated voltage of the earth conductor disconnect unit.

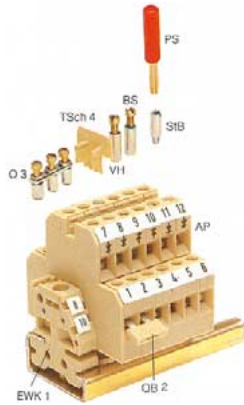
3. Fault mode

If an earth fault occurs during operation in an earthed control circuit, our earth conductor disconnect unit makes 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

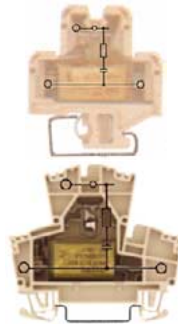
with electronic components

(other versions on request)



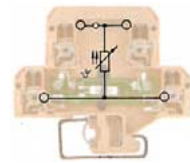
DK 4 RC WDK 2.5 RC

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
Height (incl. TS 32/TS 35x7.5)	mm
Terminal width (+ assembly tolerance 0.2)	mm
Insulation stripping length	mm
Connection data	
Screw connection, flexible	DK 4
Screw connection, flexible	WDK 2.5
Conductor cross-section	DK 4
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	for TS 32
Cat. No.	
Type	for TS 35
Cat. No.	
Type	for TS 35
Cat. No.	
Accessories DK 4 ¹⁾	
Mounting rail (2 m lengths)	TS 32
	TS 35
End bracket (thickness mm)	for TS 32 EWK 1 (8.5)
	for TS 35 EW 35 (8.5)
End plate (thickness mm)	AP PA (1.5)
Small partition	TSch 4
Partition (thickness mm)	
Socket for test plug	
Test plug (pin diameter ø 2.3 mm)	
Contact sleeve	
Cross-connector (preassembled)	2-pole -
	3-pole -
	4-pole -
	10-pole -
Switchable cross-connection bracket	
Connection sleeve	
Fixing screw	
Cover plate	
Fixing screw (plastic)	
Cross-connection bracket	

Length	50	
Height (incl. TS 32/TS 35x7.5)	56.5	
Terminal width (+ assembly tolerance 0.2)	18	
Insulation stripping length	9	
Connection data		
Screw connection, flexible	0.5...4 mm ²	
Screw connection, flexible	-	
Conductor cross-section	AWG 22...12	
Conductor cross-section	-	
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	
Cat. No.	0692160000	
Type	DK 4 RC/35	
Cat. No.	0053160000	
Type	WDK 2.5 RC	
Cat. No.	8065910000	
Accessories DK 4 ¹⁾		
Type	Cat. No.	Qty.
TS 32	0122800000	-
TS 35	0383400000	-
EWK 1	0206160000	50
EW 35	0383560000	-
AP PA	0359260000	20
TSch 4	0363360000	100
StB 8.5	0215700000	50
PS	0180400000	20
Q 4	0336600000	50
Q 10	0368600000	20
QB 4 ¹⁾	0482900000	50
QB 75 bare	0526400000	10
Insul. profile	0526700000	-

Length	65	
Height (incl. TS 32/TS 35x7.5)	56.5	
Terminal width (+ assembly tolerance 0.2)		
Insulation stripping length	6	
Connection data		
Screw connection, flexible	0.5...4 mm ²	
Screw connection, flexible	0.5...2.5 mm ²	
Conductor cross-section	AWG 22...12	
Conductor cross-section		
VDE rated data		
Voltage		
Diode current		
Current of through-busbar		
Operating temperature range		
Diode	-50...+100 °C	
Resistance		
Capacitor		
Ordering data		
Type	DK 4 PT 100	
Cat. No.	8014730000	
Type	DK 4 PT 100	
Cat. No.	8014720000	
Accessories DK 4 ¹⁾		
Type	Cat. No.	Qty.
TS 32	0122800000	-
TS 35	0383400000	-
EWK 2 (15)	0199360000	50
EW 35	0383560000	50
AP	0687560000	20
TWHP (2)	0607000000	20
PS	0180400000	20
ASK 1	0553300000	100
QB 2 ¹⁾	0482700000	100
QB 3 ¹⁾	0482800000	50
QB 4 ¹⁾	0482900000	50
QB 75 bare	0526400000	10
Insul. profile	0526700000	-

¹⁾ Accessories for WDK 2.5, see catalogue terminal blocks