

Panel feed-through terminals

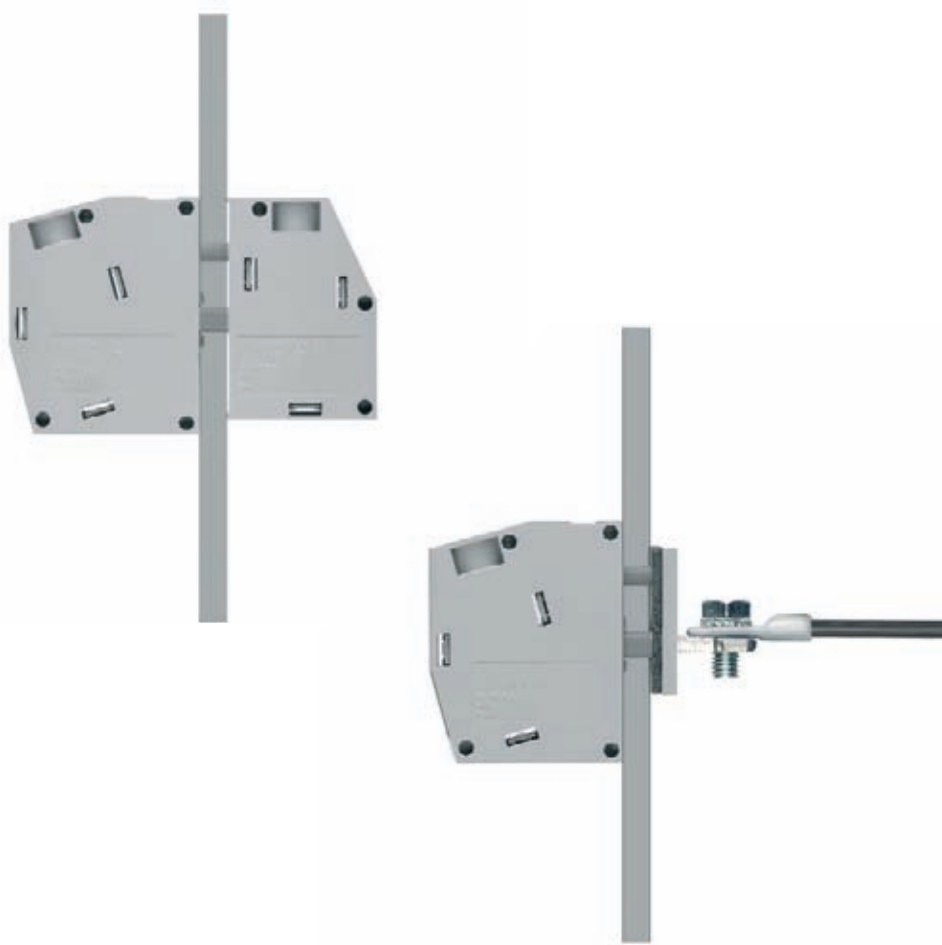
Panel feed-through terminals	Overview	F.2
	Panel feed-through terminals WGK	F.3

Panel feed-through terminals

With the new WGK series of panel feedthrough terminals, Weidmüller offers a universal solution for feeding currents of different magnitudes through enclosure walls. Locking together housing halves enable a separable and easily mounted joint for connection of system components. The use of proven Weidmüller clamping yoke connection systems guarantees a maintenance-free and vibration-proof joint.

The finger-touch safe insulated housing, designed in flammability class UL 94-V0, can be marked with standard Weidmüller markers. WGK panel feed-through terminals are available for rated cross-sections of 4, 10, 16, 25, 50 and 95 mm².

Besides the standard versions with 2 housing halves with horizontal connecting direction, versions with vertical wire entry and versions for connecting cable lugs on the inside half of the housing are also available. All versions are also optionally available with pins for easy end-to-end mounting.

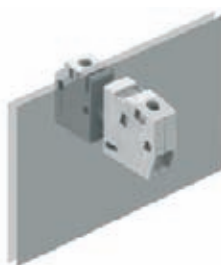


Feed-through device terminals - WGK

WGK 4

4 mm²

Screw connection



n

8.1 x 35.5 x 21.5

41 / 6

0.22...6

IEC 60947- 7- 1

IEC	UL	CSA
250	300	300
32	30	10
4	AWG 22...12	AWG 22...12
6 / 3		
A3 / V-0		



Rated connection

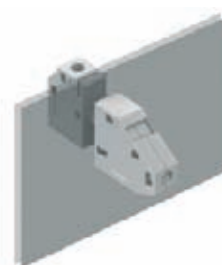
0.5...6
0.5...4 / 0.5...4
0.6 Nm (M 3)
8 / 0.6 x 3.5 mm

Metal walls: 1 – 2.5 mm = 400 V; 2.5 – 4 mm = 250 V; plastic walls: 1 – 4 mm = 500 V

WGKV 4

4 mm²

Screw connection



n

8.1 x 40 x 24

41 / 6

0.22...6

IEC 60947- 7- 1

IEC	UL	CSA
250	300	300
32	30	10
4	AWG 22...12	AWG 22...12
6 / 3		
A3 / V-0		



Rated connection

0.5...6
0.5...4 / 0.5...4
0.6 Nm (M 3)
8 / 0.6 x 3.5 mm

Metal walls: 1 – 2.5 mm = 400 V; 2.5 – 4 mm = 250 V; plastic walls: 1 – 4 mm = 500 V

In hazardous area applications, the installation instructions and the rated data specifications for accessories given in the technical appendix must be followed.

Width/Length/External height	mm
max. current / max. cond. cross-section	A/mm ²
Max. clamping range	mm ²

Technical data

Rated data

Rated voltage	V
Rated current	A
Rated cross-section	mm ²
Rated impulse voltage / Pollution severity	kV/-
Gauge to IEC 60947-1 / UL94 Flammability class	
Approvals	

Clamped conductors (H05V/H07V)

solid / stranded	mm ²
flexible / Stranded wire with end ferrules	mm ²
Tightening torque range (clamping screw)	
Stripping length / Blade size	mm/-

Note

Ordering data

Version

Note

Accessories

Spacer plate



Screwdriver

Standard

Type	Width	Qty	Order No.
WGK 4		50	1936550000
WGK 4 GN/YE		50	1936540000
WGK 4/Z		50	1936570000
WGK 4/Z gn/ye		50	1936560000

SDI 0,6x3,5x100

1

9008390000

Type	Width	Qty	Order No.
WGKV 4		50	1934050000
WGKV 4 gn/ye		50	1936610000
WGKV 4/Z		50	1936630000
WGKV 4/Z gn/ye		50	1936620000

SDI 0,6x3,5x100

1

9008390000

Marking systems (see assortment in catalogue 7)

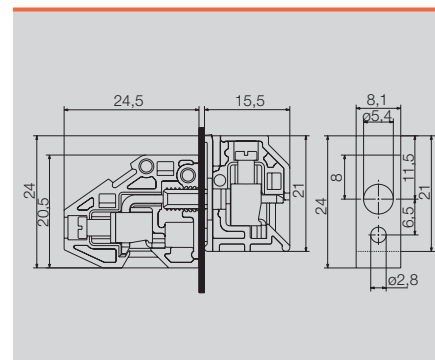
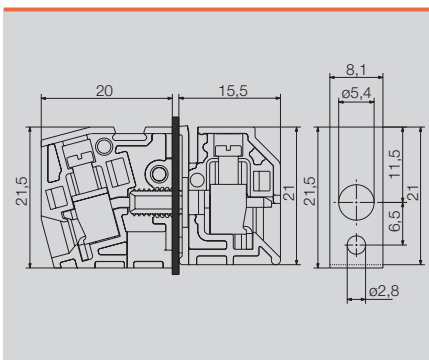
Marking tags

For detailed information on other accessories and applications, refer to the „Accessories“ section

DEK 5/5 / DEK 5/6 / DEK 5/8

DEK 5/5 / DEK 5/6 / DEK 5/8

Technical drawing



Feed-through device terminals - WGK

In hazardous area applications, the installation instructions and the rated data specifications for accessories given in the technical appendix must be followed.

Width/Length/External height	mm
max. current / max. cond. cross-section	A/mm ²
Max. clamping range	mm ²

Technical data

Rated data

Rated voltage	V
Rated current	A
Rated cross-section	mm ²
Rated impulse voltage / Pollution severity	kV/-
Gauge to IEC 60947-1 / UL94 Flammability class	
Approvals	

Clamped conductors (H05V/H07V)

solid / stranded	mm ²
flexible / Stranded wire with end ferrules	mm ²
Tightening torque range (clamping screw)	
Stripping length / Blade size	mm/-

Note

Ordering data

Version

Note

Accessories

Spacer plate



Screwdriver

Standard

Marking systems

(see assortment in catalogue 7)

Marking tags

For detailed information on other accessories and applications, refer to the „Accessories“ section

Technical drawing

WGK 10

10 mm²

Screw connection



n

10.1 x 43.3 x 31.4

76 / 16

0.21...16

IEC 60947- 7- 1

IEC	UL	CSA
250	300	300
57	65	65
10	AWG 24...6	AWG 24...6
6 / 3		
B6 / V-0		



Rated connection

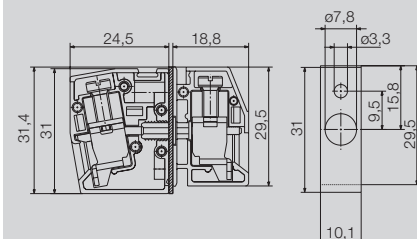
0.5...16 / 0.5...16
0.5...10 / 0.5...10
1.2 Nm (M 4)
11 / 0.8 x 4 mm

Metal walls: 1 – 2.5 mm = 400 V; 2.5 – 4 mm = 250 V; plastic walls: 1 – 4 mm = 500 V

Type	Qty	Order No.
WGK 10	50	1936510000
WGK 10 GN/YE	50	1936500000
WGK 10/Z	50	1936530000
WGK 10/Z gn/ye	50	1936520000

Type	Width	Qty	Order No.
DP WGK 10	5.5 mm	50	1936440000
SDI 0,8x4,0x100		1	9008400000

DEK 5/5 / DEK 5/6 / DEK 5/8



WGKV 10

10 mm²

Screw connection



n

10.1 x 49.8 x 32.8

76 / 16

0.21...16

IEC 60947- 7- 1

IEC	UL	CSA
250	300	300
57	65	65
10	AWG 24...6	AWG 24...6
6 / 3		
B6 / V-0		



Rated connection

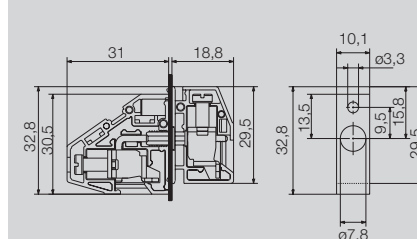
0.5...16 / 0.5...16
0.5...10 / 0.5...10
1.2 Nm (M 4)
11 / 0.8 x 4 mm

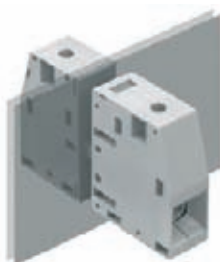
Metal walls: 1 – 2.5 mm = 400 V; 2.5 – 4 mm = 250 V; plastic walls: 1 – 4 mm = 500 V

Type	Qty	Order No.
WGKV 10	50	1934060000
WGKV 10 gn/ye	50	1936580000
WGKV 10/Z	50	1936600000
WGKV 10/Z gn/ye	50	1936590000

Type	Width	Qty	Order No.
SDI 0,8x4,0x100		1	9008400000

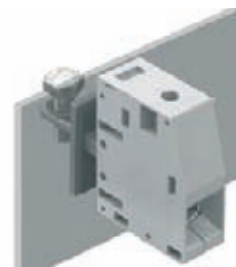
DEK 5/5 / DEK 5/6 / DEK 5/8



50 mm²50 mm²

13.3...50

n



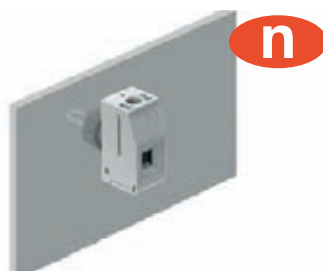
13.3...50

Feed-through device terminals - WGK

VWGK 4

4 mm²

Solder connection



10 x 11.4 x 20.5

41 / 6

0.22...6

VWGK 6

6 mm²

Solder connection



10 x 15.5 x 31.5

57 / 10

0.2...10

In hazardous area applications, the installation instructions and the rated data specifications for accessories given in the technical appendix must be followed.

Width/Length/External height	mm
max. current / max. cond. cross-section	A/mm ²
Max. clamping range	mm ²

Technical data

Rated data

Rated voltage	V
Rated current	A
Rated cross-section	mm ²
Rated impulse voltage / Pollution severity	kV/-
Gauge to IEC 60947-1 / UL94 Flammability class	
Approvals	

Clamped conductors (H05V/H07V)

solid / stranded	mm ²
flexible / Stranded wire with end ferrules	mm ²
Tightening torque range (clamping screw)	
Stripping length / Blade size	mm/-

Note

IEC 60947- 7- 1

IEC	UL	CSA
250	300	300
32	30	30
4	AWG 22...12	AWG 22...12
	6 / 3	
	A3 / V-0	



Rated connection

0.5...6 / 0.5...4
0.5...4
0.6 Nm (M 3)
8 / 0.6 x 3.5 mm

Metal walls: 1 – 4 mm = 500 V Plastic walls 1 – 4 mm = 500 V

IEC 60947- 7- 1

IEC	UL	CSA
500	300	300
41	30	30
6	AWG 24...8	AWG 24...8
	6 / 3	
	A5 / V-0	



Rated connection

0.5...10 / 0.5...6
0.5...6
0.8 Nm (M 3.5)
13 / 0.8 x 4 mm

Metal walls: 1 – 4 mm = 500 V Plastic walls 1 – 4 mm = 500 V

Ordering data

Version

Type	Qty	Order No.
VWGK 4	50	1936490000
VWGK 4 GN/YE	50	1936480000

Type	Qty	Order No.
VWGK 6	50	1965740000
VWGK 6 GN/YE	50	1965730000

Note

Accessories

Spacer plate



Screwdriver

Standard

Type	Width	Qty	Order No.
DP WGKV 4	4 mm	50	1936470000
SDI 0,6x3,5x100		1	9008390000

Type	Width	Qty	Order No.
DP VWGK6	4 mm	50	1965750000
SDI 0,8x4,0x100		1	9008400000

Marking systems (see assortment in catalogue 7)

Marking tags

For detailed information on other accessories and applications, refer to the „Accessories“ section

DEK 5/5 / DEK 5/6 / DEK 5/8

DEK 5/5 / DEK 5/6 / DEK 5/8

Technical drawing

