

# Klippon® Connect WFS 4 Fuse Terminal Blocks

## Optimal overcurrent protection in a small width profile

Klippon® Connect Universal Range Terminal Blocks

Weidmüller 

In industrial control systems, incoming signals from field devices are often connected with terminal blocks located in marshalling cabinets. Terminal blocks are used in place of, or along with, other termination technologies such as remote I/O modules and Fieldbus. Terminal blocks provide a robust, simple and clean way to connect and arrange signal wires. Current protection and circuit disconnect are critical functions that must be guaranteed in the landing terminal array of a control marshalling cabinet. In order to rationalize wiring, individual connection solutions should combine these functions within a single system.

The new Klippon® Connect WFS 4 fuse terminals, provided with our unique screw connection technology, guarantee optimal passive current protection in combination with disconnect terminals. All terminal blocks from our universal range ensure a high degree of flexibility. Their compact dimensions allow flexible installation even in confined spaces.

### Benefits

- Overcurrent protection and disconnect in a single terminal block system
- Simple handling for easy removal of the fuse
- Contour identical to adjoining disconnect and feed-through terminals of W Series, thus allowing easy potential distribution even in presence of pole skipping jumpering schemes
- Compact footprint (width and pitch)
- One-piece and time effective multi-pole jumpering possibility. Simultaneous connection of up to 16 commons (e.g. negative for analog signals, positive for digital output from DCS) can be easily realized and safely guaranteed.
- Visibility of the cross-connection (even when the fuse-holder lever is closed) to ease cabinet commissioning and maintenance
- Integrated test point in the fuse lever, for time effective testing



New!



### WFS 4 BK



### WFS 4 BL



### WFS 4 DB

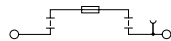


## Ordering data

Version	Type	Pk. Qty.	Part No.	Type	Pk. Qty.	Part No.	Type	Pk. Qty.	Part No.
400V AC/DC, without LED	WFS 4 BK	50	2561900000	WFS 4 BL	50	2562000000	WFS 4 DB	50	2562050000
10-36V AC/DC, with LED	WFS 4 10-36V BK	50	2562070000	WFS 4 10-36V BL	50	2562010000	WFS 4 10-36V DB	50	2562060000
30-70V AC/DC, with LED	WFS 4 30-70V BK	50	2561990000	WFS 4 30-70V BL	50	2562020000	WFS 4 30-70V DB	50	2561980000
60-150V AC/DC, with LED	WFS 4 60-150V BK	50	2561970000	WFS 4 60-150V BL	50	2562030000	WFS 4 60-150V DB	50	2561940000
100-250V AC/DC, with LED	WFS 4 100-250V BK	50	2561960000	WFS 4 100-250V BL	50	2562040000	WFS 4 100-250V DB	50	2561950000

## Technical data

Dimensions: with TS35x7.5 DIN-Rail 6.1mm width x 62.5mm length x 75.5mm height



Rated data	IEC	UL	CSA
Rated voltage to adjoining terminal	400V	300V	
Rated current	6.3A	10A	
For wire cross-section	4mm <sup>2</sup>	AWG 22 ...10	
Tightening torque	0.5 ... 0.6 Nm / (M 3)		
Stripping length / Blade size	13mm / 0.6 x 3.5mm		
Rated impulse voltage / Pollution severity	6kV / 3		
Gauge to IEC 60947-1 / UL 94 flammability rating	A4 / V-0 Size		
Approvals	IEC 60947-7-3, CE, cULus		

## Rated power dissipation - according IEC 60947-7-3:2009

Arrangement	exclusive short-circuit protection		overload inclusive short-circuit protection	
	T <sub>A</sub> max.	nominal values	T <sub>A</sub> max.	nominal values
Separate	50°C	4.0 W / 6.3A	41°C	1.6 W / 6.3A
Grouped	37°C	2.5 W / 6.3A	33°C	1.6 W / 6.3A

## Information

Information is available for download on the web at [www.weidmuller.com](http://www.weidmuller.com).

## Accessories

Pluggable cross-connection	Type	Pk. Qty.	Part No.
2-pole	ZQV 4N/2	60	1527930000
10-pole	ZQV 4N/10	20	1528090000
32-pole	ZQV 4N/32	20	2561670000
<b>End plate</b>			
Black	WAP 2.5-10 SW	50	1050010000
Blue	WAP 2.5-10 BL	50	1050080000
Dark beige	WAP 2.5-10	50	1050000000
<b>End bracket</b>			
Dark beige	WEW 35/2	100	1061200000
Black	WEW 35/2 SW	100	1061210000
<b>Screwdriver</b>			
Standard	SDIS SL 0.6x3.5x100	1	1274660000
<b>Holder for cartridge fuse 5x20mm</b>			
400V AC/DC, without LED	SIHA 3/G20	25	7921560000
10-36V AC/DC, red LED	SIHA 3/G20/LD 10-36V	25	7921570000
140-250V AC/DC, red LED	SIHA 3/G20/LD 140-250V	25	7921600000
<b>Component plug (max. 250V)</b>			
Empty	BEST	50	1833100000
With wire jumper	BEST/DRBR	50	1878570000
With 1N4007 diode	BEST/D	50	1878560000
<b>Disconnect plug</b>			
Orange Wemid	TNST OR	50	2463540000
<b>Identification systems</b>			
Blank tags, white	WS 12/6 MC NE WS	600	1609900000
Blank tags, white	DEK 5/6 MC NE WS	1000	1609820000
Blank tags, white	WS 8/6 MM WS	600	2007160000
Blank tags, white	DEK 5/6 MM WS	600	2007120000
Note: Terminal rails, end brackets, further marking material, see assortment in general catalog		Individual ZQV poles can be broken out by using the WAW 1 tool (9004500000) to accommodate parallel jumpering.	

Weidmuller, Mexico  
 Blvd. Hermanos Serdán 698,  
 Col. San Rafael Oriente  
 Puebla, Puebla, Mexico  
 C.P. 72029  
 Telephone: 01 222 2686267  
 Facsimile: 01 222 2686219  
 Email: clientes@weidmuller.com.mx  
 Website: www.weidmuller.com.mx

Weidmuller, Canada  
 10 Spy Court  
 Markham, Ontario L3R 5H6  
 Telephone: (800) 268-4080  
 Facsimile: (905) 475-2798  
 Email: info1@weidmuller.ca  
 Website: www.weidmuller.ca

Weidmuller, United States  
 821 Southlake Blvd.  
 Richmond, Virginia 23236  
 Telephone: (800) 849-9343  
 Facsimile: (804) 379-2593  
 Email: info@weidmuller.com  
 Website: www.weidmuller.com