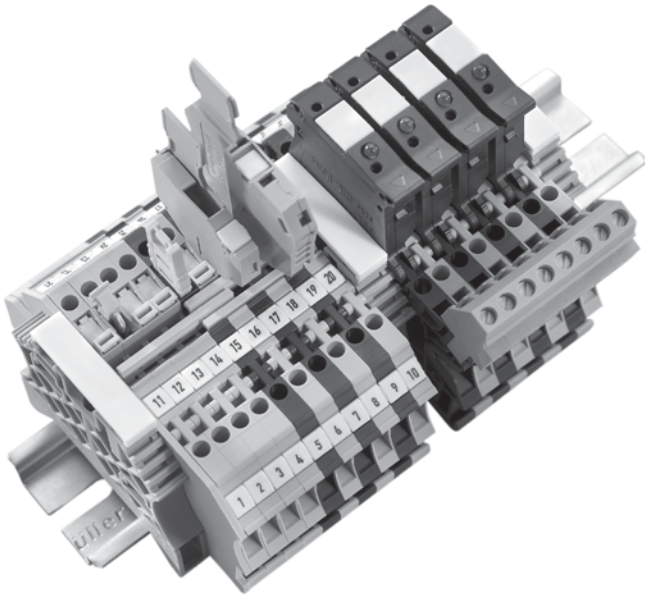


Datasheet

WMF 2.5 Terminal Series

NEW



The WMF 2.5 (multi-functional) terminal series is uniquely designed for DCS marshalling where increased functionality, improved spacing, higher wiring density and ease of terminal installation are desired. The WMF 2.5 series is offered in configuration types including fuse, disconnect and feed-through with pluggable connectors.

The WMF 2.5 terminals are 5 mm wide, providing a 20% space savings when compared to typical fuse terminals at 6-8 mm.

Applications

- DCS marshalling cabinet field wiring
- Marshalling terminations that use FTA interface modules via BLZ pluggable connectors
- Limited space applications that require multiple shield termination points

Benefits

- 20% space savings with 5 mm width
- Ease of installation via the BLZ pluggable connector (cable harnessing)
- Unique fuse holder design simplifies the replacement or installation of fuses
- Improved flexibility with unique 3-channel jumpering and integrated shielding

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WMF terminals – Weidmüller Multi-Functional

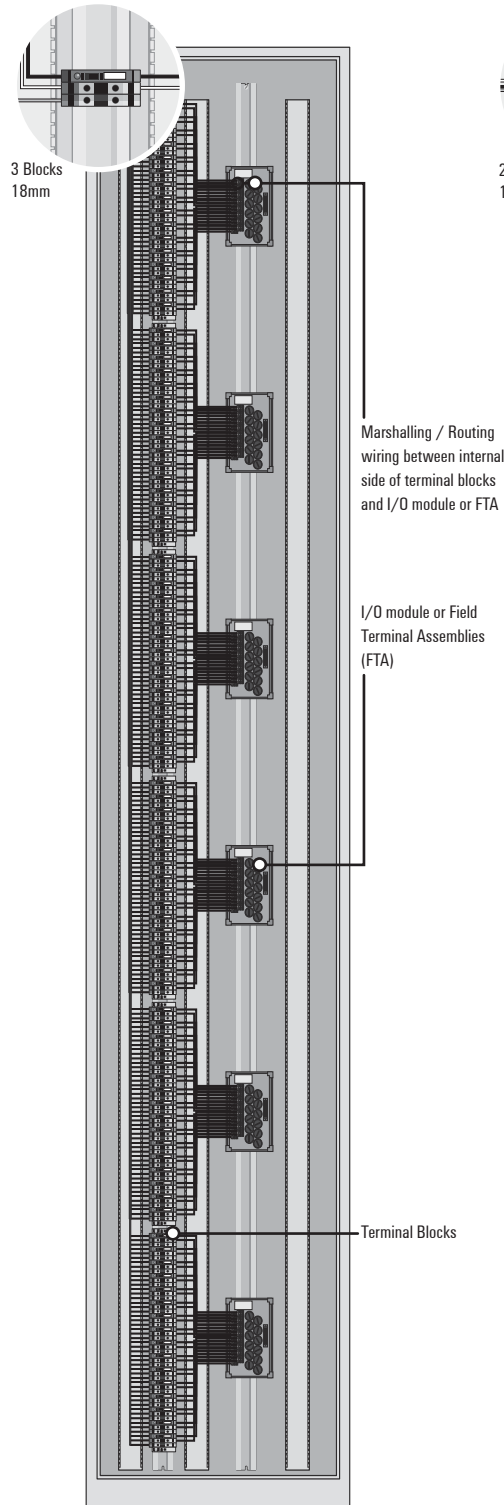
The efficient and extremely flexible solution for the routing and distribution of signals

In power generation control systems, incoming signals from field devices are often connected with terminal blocks located in DCS 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.

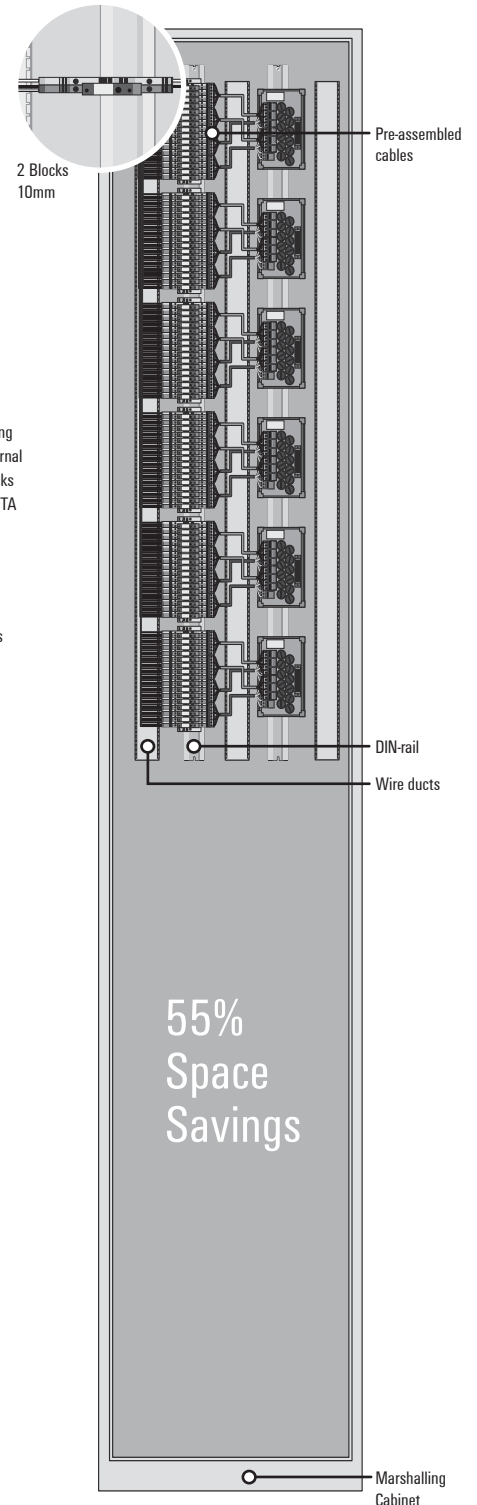
Weidmüller's new WMF (Weidmüller Multi-Function) line of terminal blocks is specially designed to improve the way in which DCS marshalling, or signal routing and distribution is performed. This new line provides dramatic cabinet space savings, significant wiring time savings, and additional flexibility through the addition of three cross connection channels.

The WMF terminal blocks also feature an integrated shield or ground connection in both the feed through and fuse block terminals, eliminating the need for a separate ground block. The new fuse block design also features disconnect functionality. At only 5mm in width, the WMF blocks are 20% to 25% smaller than traditional feed-through and fuse blocks.

Traditional DCS Cabinet Marshalling



WMF 2.5 Series DCS Cabinet Marshalling



96 Signal Loops / 192 Connections

5.08 x 88 x 45
19 / 4
0.05...4

IEC	UL	CSA
500	600	600
20	19	19
26...12 AWG (0.05...4)		
8 kV/3		
0.5...4 / 1.5...4		
0.5...2.5 (26...14)		
0.5...2.5 (26...14)		
10 / 0.5 - 0.6		
UL rated voltages at User Group B, C, D		

Type	Qty.	Part No
WMF 2.5 DI PE	50	1143030000
WMF 2.5 DI PE BL	50	1070080000
WMF 2.5 DI PE Stb	50	1167340000

Type	Qty.	Part No.
AP WMF2.5	1	1142990000
ZQV 2.5N/2 GE	60	1693800000
ZQV 2.5N/3 GE	60	1693810000
ZQV 2.5N/10 GE	20	1693880000
ZQV 2.5N/20 GE	10	1909000000
SD 0.6x3.5x100	1	9008330000

DEK 5	1000	1609801044
WS 10/5 MC Middle	720	1792000000

Multi-functional terminals

WMF 2.5 FU
2.5 mm²

Width/Length/height with TS35x7.5	mm
max. current / max. cond. cross-section	A/mm ²
Max. clamping range	mm ²

5.08 x 88 x 72	
17 / 4	
0.05...4	

WMF 2.5 FU PE
2.5 mm²

5.08 x 88 x 72	
17 / 4	
0.05...4	

Technical data

Rated data	
Rated voltage	V
Rated current	A
Rated cross-section	(mm ²)
Rated impulse voltage / Pollution severity	kV/-
Further technical data	
solid / stranded	mm ²
"i" with wire end ferrule acc. to DIN 46 228/1	(AWG)
"f" with wire end ferrule with plastic collar	(AWG)
Stripping length / Torque range	mm
Note	

IEC	UL	CSA
500	600	600
6.3	17	17
26...12 AWG (0.05...4)		
8 kV/3		
0.5...4 / 1.5...4		
0.5...2.5 (26...14)		
0.5...2.5 (26...14)		
10 / 0.5 - 0.6		
UL rated voltage = 600V at User Group B, C, D		

IEC	UL	CSA
500	600	600
6.3	17	17
26...12 AWG (0.05...4)		
8 kV/3		
0.5...4 / 1.5...4		
0.5...2.5 (26...14)		
0.5...2.5 (26...14)		
10 / 0.5 - 0.6		
UL rated voltage = 600V at User Group B, C, D		

Ordering data

Version
Dark beige Wemid
Blue Wemid
Black Wemid
10 - 36 V AC/DC, with LED
30 - 70 V AC/DC, with LED
60 - 15 V AC/DC, with LED
100 - 250 V AC/DC, with LED
Note

Type	Qty.	Part No.
WMF 2.5 FU SW	50	1162920000
WMF 2.5 FU 10-36V SW	50	1162930000
WMF 2.5 FU 30-70V SW	50	1162940000
WMF 2.5 FU 60-150V SW	50	1162950000
WMF 2.5 FU 100-250V SW	50	1162960000
LED versions with low leakage current < 0.5 mA		

Type	Qty.	Part No.
WMF 2.5 FU PE SW	50	1163040000
WMF 2.5 FU PE 10-36V SW	50	1163050000
WMF 2.5 FU PE 30-70V SW	50	1163060000
WMF 2.5 FU PE 60-150V SW	50	1163070000
WMF 2.5 FU PE 100-250V SW	50	1163080000
LED versions with low leakage current < 0.5 mA		

Accessories

End plate / partition	Version
AP WMF2.5; Pitch = 1.5 mm	Beige Wemid
Mounting block for socket connector	
Without peg	
Cross-connection	
ZQV 2.5N	2-pole
	3-pole
	10-pole
	20-pole
Screwdriver	
SD acc. to DIN 5264-A	

Type	Qty.	Part No.
AP WMF2.5	1	1142990000
ZQV 2.5N/2 GE	60	1693800000
ZQV 2.5N/3 GE	60	1693810000
ZQV 2.5N/10 GE	20	1693880000
ZQV 2.5N/20 GE	10	1909000000
SD 0.6x3.5x100	1	9008330000

Type	Qty.	Part No.
AP WMF2.5	1	1142990000
ZQV 2.5N/2 GE	60	1693800000
ZQV 2.5N/3 GE	60	1693810000
ZQV 2.5N/10 GE	20	1693880000
ZQV 2.5N/20 GE	10	1909000000
SD 0.6x3.5x100	1	9008330000

Component plug (max. 250 V)

Without fittings
With wire jumper
With 1N4007 diode

Holder for cartridge fuse, 5 x 20 mm

400 V AC/DC, without LED
10 - 36 V AC/DC, red LED
140 - 250 V AC/DC, red LED

Fuse levers for fuse or disconnect terminals

WMF 2.5 Fuse Lever, w/o indication	1167630000
WMF 2.5 Fuse Lever, LED 10-36VAC/DC	1167640000
WMF 2.5 Fuse Lever, LED 30-70VAC/DC	1167650000
WMF 2.5 Fuse Lever, LED 60-150VAC/DC	1167670000
WMF 2.5 Fuse Lever, LED 100-250VAC/DC	1167680000

Disconnects

Isolating plug
TNHE ZDL
Disconnect lever only

Test plug

--

Marking tags

Printout
Blank
Blank

Width			
SIHA 3/G20	6 mm	25	7921560000
SIHA 3/G20/LD 10-36V	6 mm	25	7921570000
SIHA 3/G20/LD 140-250V	6 mm	25	7921600000
WMF 2.5 Fuse Lever, w/o indication			1167630000
WMF 2.5 Fuse Lever, LED 10-36VAC/DC			1167640000
WMF 2.5 Fuse Lever, LED 30-70VAC/DC			1167650000
WMF 2.5 Fuse Lever, LED 60-150VAC/DC			1167670000
WMF 2.5 Fuse Lever, LED 100-250VAC/DC			1167680000

TNST	50	1833090000
TNHE ZDL 2.5 GE		4263240000

DEK 5	1000	1609801044
WS 10/5 MC Middle	720	1792000000

Width			
SIHA 3/G20	6 mm	25	7921560000
SIHA 3/G20/LD 10-36V	6 mm	25	7921570000
SIHA 3/G20/LD 140-250V	6 mm	25	7921600000

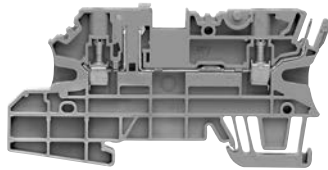
WMF 2.5 Fuse Lever, w/o indication	1167630000
WMF 2.5 Fuse Lever, LED 10-36VAC/DC	1167640000
WMF 2.5 Fuse Lever, LED 30-70VAC/DC	1167650000
WMF 2.5 Fuse Lever, LED 60-150VAC/DC	1167670000
WMF 2.5 Fuse Lever, LED 100-250VAC/DC	1167680000

TNST	50	1833090000
TNHE ZDL 2.5 GE		4263240000

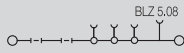
DEK 5	1000	1609801044
WS 10/5 MC Middle	720	1792000000

WMF 2.5 DI BLZ

2.5 mm²



5.08 x 90 x 45
19 / 4
0.05...4



IEC	UL	CSA
250	300	300
16	19	19
26...12 AWG (0.05...4)		
8 kV/3		
0.5...4 / 1.5...4		
0.5...2.5 (26...14)		
0.5...2.5 (26...14)		
10 / 0.5 - 0.6		
UL rated voltages / current: 300V at User Group B 150V / 15A at User Group D 300V / 10A at User Group D 15.5A at BLZ plug		

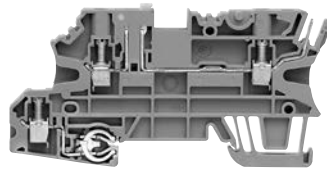
Type	Qty.	Part No.
WMF 2.5 DI BLZ	50	1143000000
WMF 2.5 DI BLZ Stb	50	1357450000
WMF 2.5 DI BLZ BLK	50	1362940000

UL rated current: 14A at BLZ plug

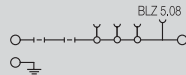
Type	Qty.	Part No.	
AP WMF2.5	1	1142990000	
WBB WMF2.5 BLZ	1	1142980000	
ZQV 2.5N/2 GE	60	1693800000	
ZQV 2.5N/3 GE	60	1693810000	
ZQV 2.5N/10 GE	20	1693880000	
ZQV 2.5N/20 GE	10	1909000000	
SD 0.6x3.5x100	1	9008330000	
BEST	50	1833100000	
BEST/DRBR	50	1878570000	
BEST/D	50	1878560000	
	Width		
SIHA 3/G20	6 mm	25	7921560000
SIHA 3/G20/LD 10-36V	6 mm	25	7921570000
SIHA 3/G20/LD 140-250V	6 mm	25	7921600000
WMF 2.5 Fuse Lever, w/o indication			1167630000
WMF 2.5 Fuse Lever, LED 10-36VAC/DC			1167640000
WMF 2.5 Fuse Lever, LED 30-70VAC/DC			1167650000
WMF 2.5 Fuse Lever, LED 60-150VAC/DC			1167670000
WMF 2.5 Fuse Lever, LED 100-250VAC/DC			1167680000
TNST	50	1833090000	
PS 2.3	20	0180400000	
DEK 5	1000	1609801044	
WS 10/5 MC Middle	720	1792000000	

WMF 2.5 DI BLZ PE

2.5 mm²



5.08 x 90 x 45
19 / 4
0.05...4



IEC	UL	CSA
250	300	300
16	19	19
26...12 AWG (0.05...4)		
8 kV/3		
0.5...4 / 1.5...4		
0.5...2.5 (26...14)		
0.5...2.5 (26...14)		
10 / 0.5 - 0.6		
UL rated voltages / current: 300V at User Group B 150V / 15A at User Group D 300V / 10A at User Group D 15.5A at BLZ plug		

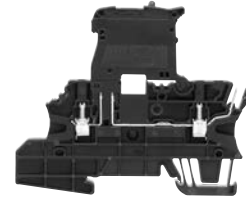
Type	Qty.	Part No.
WMF 2.5 DI BLZ PE	50	1143010000
WMF 2.5 DI BLZ PE BLK (w/o lever)	50	1362930000
WMF 2.5 DI BLZ PE Stb	50	1357440000

UL rated current: 14A at BLZ plug

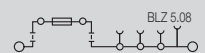
Type	Qty.	Part No.	
AP WMF2.5	1	1142990000	
WBB WMF2.5 BLZ	1	1142980000	
ZQV 2.5N/2 GE	60	1693800000	
ZQV 2.5N/3 GE	60	1693810000	
ZQV 2.5N/10 GE	20	1693880000	
ZQV 2.5N/20 GE	10	1909000000	
SD 0.6x3.5x100	1	9008330000	
BEST	50	1833100000	
BEST/DRBR	50	1878570000	
BEST/D	50	1878560000	
	Width		
SIHA 3/G20	6 mm	25	7921560000
SIHA 3/G20/LD 10-36V	6 mm	25	7921570000
SIHA 3/G20/LD 140-250V	6 mm	25	7921600000
WMF 2.5 Fuse Lever, w/o indication			1167630000
WMF 2.5 Fuse Lever, LED 10-36VAC/DC			1167640000
WMF 2.5 Fuse Lever, LED 30-70VAC/DC			1167650000
WMF 2.5 Fuse Lever, LED 60-150VAC/DC			1167670000
WMF 2.5 Fuse Lever, LED 100-250VAC/DC			1167680000
TNST	50	1833090000	
PS 2.3	20	0180400000	
DEK 5	1000	1609801044	
WS 10/5 MC Middle	720	1792000000	
WAD WMF2.5	1	1142970000	

WMF 2.5 FU BLZ

2.5 mm²



5.08 x 90 x 72
17 / 4
0.05...4



IEC	UL	CSA
250	300	300
6.3	17	17
26...12 AWG (0.05...4)		
8 kV/3		
0.5...4 / 1.5...4		
0.5...2.5 (26...14)		
0.5...2.5 (26...14)		
10 / 0.5 - 0.6		
UL rated voltages / current: 300V at User Group B 150V / 15A at User Group D 300V / 10A at User Group D 9.5A at BLZ plug		

Type	Qty.	Part No.
WMF 2.5 FU BLZ SW	50	1162980000
WMF 2.5 FU BLZ 10-36V SW	50	1162990000
WMF 2.5 FU BLZ 30-70V SW	50	1163000000
WMF 2.5 FU BLZ 60-150V SW	50	1163010000
WMF 2.5 FU BLZ 100-250V SW	50	1163020000

LED versions with low leakage current < 0.5 mA

Type	Qty.	Part No.
AP WMF2.5	1	1142990000
WBB WMF2.5 BLZ	1	1142980000
ZQV 2.5N/2 GE	60	1693800000
ZQV 2.5N/3 GE	60	1693810000
ZQV 2.5N/10 GE	20	1693880000
ZQV 2.5N/20 GE	10	1909000000
SD 0.6x3.5x100	1	9008330000

