

WSI Fuse Terminals with Low Current Status Indication



Weidmüller offers versions of the WSI fuse terminals with low current blown fuse indication (BFI).

The BFI circuit is located in parallel with the fuse so that a current goes through the indicator only when the fuse blows. As this current is an unwanted off-state leakage current it is important that the level be kept to an absolute minimum. Weidmüller's BFI circuits draw no more than 500 μ A - not enough to pose a safety hazard or falsely energize PLC or DCS digital inputs.

Features:

- WSI 6 LD for 5x20mm fuses, just 8mm wide
- WSI 6/2 LD for 1¼" x ¼" fuses, 12mm wide
- Moulded from UL 94-V0 Wemid material
- 35mm DIN rail mounting
- Non-polarized, full wave rectified LED circuit with less than 500 μ A leakage at nominal voltage as per CSA Standard C22.2 No. 39 Fuse Holder Assemblies and UL Standard 512 Fuseholders.

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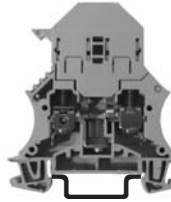
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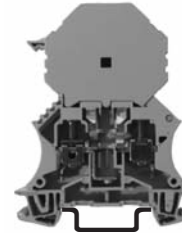
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WSI 6 LD
with LED indicator for
DC or AC voltage



WSI 6/2
with LED for inch fuses VAC/VDC



Note:
Voltage is disconnected by opening the disconnect lever. If the fuse of the LED variants is defective, the downstream circuit is still under current, since low-level current is still flowing via the LED.

Technical data

| Dimensions/approvals | |
|---|------------------|
| Width/length/height (mm) | with TS 35 x 7.5 |
| Insulation stripping length/clamping screw/screwdriver blade | |
| Rated data of terminal base (for Europe) | |
| Rated voltage/current/cross-section | |
| Rated impulse voltage acc. to VDE 0110/1.89 /pollution severity | |
| Further technical data | |
| Tightening torque range | Nm |
| Torque setting with DMS 2 electric screwdriver | |
| Clampable conductors | |
| Solid H07V-U | mm ² |
| Stranded H07V-R | mm ² |
| Flexible H07V-K | mm ² |
| Flexible H07V-K and ferrule acc. to DIN 46 228/1 | mm ² |
| Flexible H07V-K and ferrules with plastic insul. collar | mm ² |
| Max. clamping range in mm ² /Gauge pin acc. to 947-1 | Size |
| Cont. current of cross-connect. 2-pole | A |
| Cont. current of cross-connect. multi-pole | A |
| UL/CSA rated data | |
| Voltage/current/conductor size | |
| Voltage/current/conductor size | |

| UL | |
|------------------------------|--|
| 8/60/72 | |
| 12mm/M 3.5/4.0 x 0.8 | |
| 500 V/6.3 A/6mm ² | |
| 6 kV/3 | |
| 0.8...1.6 | |
| 3 | |
| 0.5...10 | |
| 1.5...10 | |
| 0.5...10 | |
| 0.5...6 | |
| 0.5...6 | |
| 0.5...10 | |
| A 5 | |
| 26 | |
| 26 | |
| 300 V/10 A/20...8 AWG | |
| 300 V/10 A/20...8 AWG | |

| UL | |
|------------------------------|--|
| 12/60/79.5 | |
| 12mm/M 3.5/4.0 x 0.8 | |
| 500 V/6.3 A/6mm ² | |
| 6 kV/3 | |
| 0.8...1.6 | |
| 3 | |
| 0.5...10 | |
| 1.5...10 | |
| 0.5...10 | |
| 0.5...6 | |
| 0.5...6 | |
| 0.5...10 | |
| A 5 | |
| 26 | |
| 26 | |
| 600 V/16 A/20...8 AWG | |
| 600 V/16 A/20...8 AWG | |

Ordering data

| Description | Version |
|--|----------------------------|
| 10-36VAC/DC, 0.5mA typ. | Dark beige Wemid/LED |
| 30-70VAC/DC, 0.5mA typ. | Dark beige Wemid/LED |
| 60-150VAC/DC, 0.5mA typ. | Dark beige Wemid/LED |
| 250VAC/110VDC, 0.5mA typ. | Dark beige Wemid/LED |
| Partition/End plate | |
| | WAP |
| | WTW |
| Thickness 1.5mm | |
| Cross-connection/Test plug/Notching tool | |
| | QL 2-10 |
| | Notching tool for QL WAW 2 |
| Fuse inserts | |
| | 0.10A |
| | 0.20A |
| | 0.25A |
| | 0.50A |
| | 1.0A |
| | 1.6A |
| | 2.0A |
| | 2.5A |
| | 3.15A |
| | 4.0A |
| | 5.0A |
| | 6.3A |

| Type | Qty. | Part No. |
|---------------------------|------|------------|
| WSI 6/LD 10-36VAC/DC LL | 50 | 1011300001 |
| WSI 6/LD 30-70VAC/DC LL | 50 | 1012200001 |
| WSI 6/LD 60-150VAC/DC LL | 50 | 1012300001 |
| WSI 6/LD 250VAC/110VDC LL | 50 | 1012400001 |
| Type | Qty. | Part No. |
| WAP | 50 | 1050000000 |
| WTW 2.5-10 | 20 | 1050100000 |
| 5 x 20mm | | |
| QL 2 | 50 | 0194300000 |
| QL 3 | 50 | 0194400000 |
| QL 4 | 50 | 0194500000 |
| QL 10 | 20 | 0338300000 |
| BS-M 3x5 | 100 | 1052100000 |
| PS 2.3 | 20 | 0180400000 |
| WAW 2 | 1 | 9004510000 |
| | 10 | 0430300000 |
| | 10 | 0430400000 |
| | 10 | 0430500000 |
| | 10 | 0430600000 |
| | 10 | 0430700000 |
| | 10 | 0430800000 |
| | 10 | 0430900000 |
| | 10 | 0431000000 |
| | 10 | 0431100000 |
| | 10 | 0431200000 |
| | 10 | 0431300000 |
| | 10 | 0431400000 |

| Type | Qty. | Part No. |
|-----------------------------|------|------------|
| WSI 6/2/LD 10-36VAC/DC LL | 25 | 1014100001 |
| WSI 6/2/LD 30-70VAC/DC LL | 25 | 1014200001 |
| WSI 6/2/LD 60-150VAC/DC LL | 25 | 1014300001 |
| WSI 6/2/LD 250VAC/110VDC LL | 25 | 1014400001 |
| Type | Qty. | Part No. |
| WAP | 50 | 1050000000 |
| WTW 2.5-10 | 20 | 1050100000 |
| 1/4" x 1 1/4" | | |
| E 2 A | 10 | 029450000 |
| E 3 A | 10 | 029570000 |
| E 5 A | 10 | 029460000 |
| E 7 A | 10 | 029580000 |
| E 10 A | 10 | 209390000 |

Mounting rails, brackets, additional marking material and accessories please see relevant Catalog Section