

Kompakt und leistungsstark – Neue Zylinder- sicherungslasttrennschalter von JEAN MÜLLER *Compact and powerful – new JEAN MÜLLER cylindrical fuse-switch-disconnectors*

Mit seiner neuen Baureihe Zylindersicherungslasttrennschalter bietet JEAN MÜLLER Lösungen über alle Baugrößen 10 x 38, 14 x 51 und 22 x 58 für unterschiedlichste Anwendungen in der Energieverteilung, Automatisierungstechnik und darüber hinaus.

Die Geräte sind in 1- bis 4-poligen Ausführungen inkl. Varianten mit geschaltetem Neutralleiter verfügbar.

Neben optimierter Handhabung und einem hohen Berührungsschutz bietet die neue Typenreihe zahlreiche Vorteile:

- Komplette Fingersicherheit IP20
- Sicherungswechsel ohne Berührung spannungsführender Teile
- Temperaturbeständiges Gehäuse und Sicherungshalter
- Versilberte Kontaktoberflächen
- Montage auf Standard-Hutschiene (DIN EN 60715).
Zusätzlich Aufbaumontagemöglichkeit für Z22-LTL.
- Plombierungsmöglichkeit in Ein- und Aus-Stellung
- Optionale Anzeige des Sicherungsfalls über LED

Varianten für die Anwendung in PV-Anlagen bis DC1000V finden Sie darüber hinaus in unserem aktuellen Katalog „Sicherungen für die Nieder- und Hochspannung“.

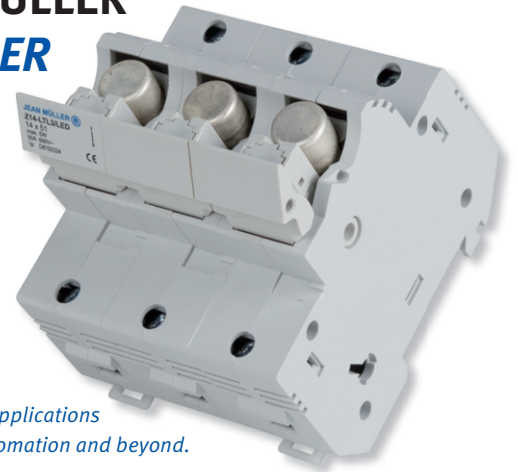
With a new range of cylindrical fuse-switch-disconnectors JEAN MÜLLER offers solutions in all sizes 10 x 38, 14 x 51 and 22 x 58 for different applications in energy supply, automation and beyond.

The devs are available in 1- up to 4-pole configurations including versions with switchable neutral conductor.

Besides optimized handling and a high protection against touch the new type ranges offer numerous advantages:

- Complete finger proof IP20
- Fuse-link change without directly touching of live parts
- Temperature resistant housing and fuse-carrier
- Silver-plated contact surfaces
- Mounting on standard DIN rail (IEC/EN 60715).
Additional baseplate mounting for Z22-LTL.
- Sealing possibility in ON and OFF position
- Optional LED indicator for tripped fuse-link

Further options for application in PV systems up to DC1000V can be found in our most recent catalogue “Fuses for low and high voltage”.



Bestelldaten/Ordering data

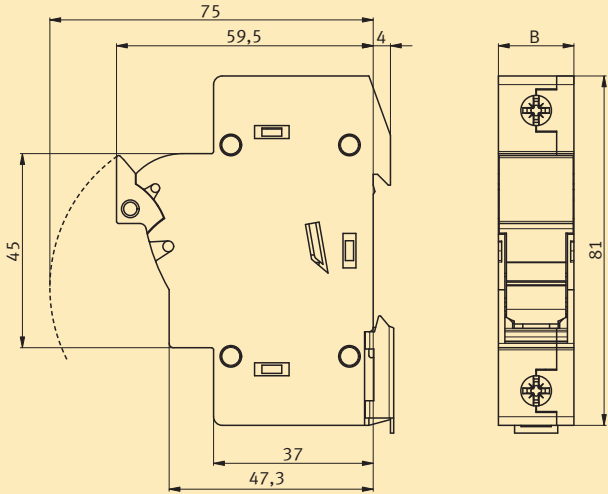
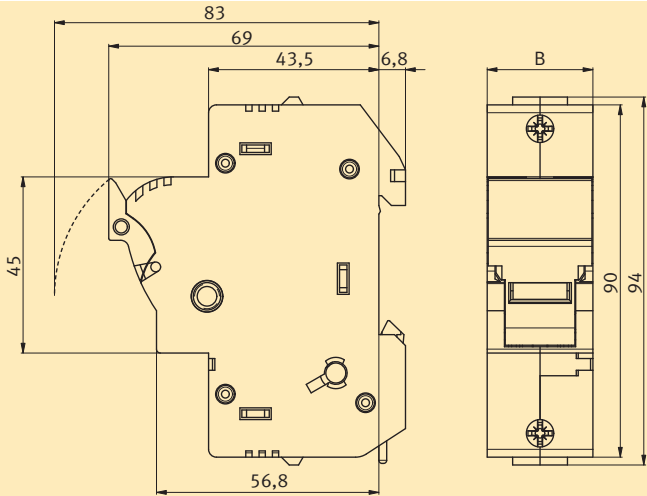
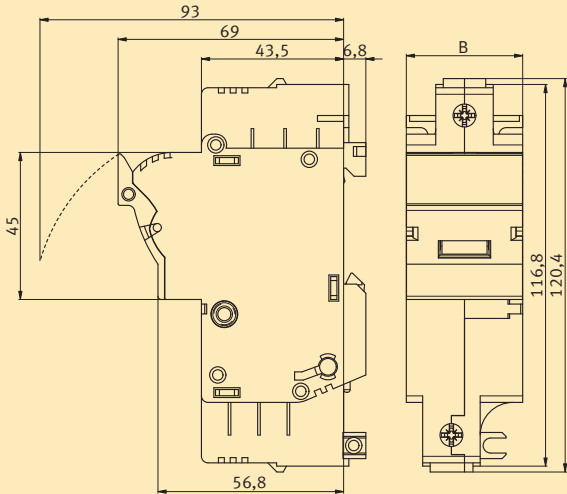
| | Polzahl No. of poles | U _e [V] | I _e [A] | Anzeiger Indicator | VE PU | Typ Type | Artikel-Nr. Article-No. |
|-----------------------------------------------------------------------------------------------|-------------------------|-----------------------|-----------------------|-----------------------|----------|-----------------|----------------------------|
| Zylindersicherungslasttrennschalter/Cylindrical fuse-switch-disconnectors > 10 x 38 | | | | | | | |
|  | 1 | 690 | 32 | - | 12 | Z10-LTL1 | D8191101 |
| | 1+N | | | | | Z10-LTL1N | D8191703 |
| | 1+N* | | | | | Z10-LTL1N/L | D8191705 |
| | 2 | | | | | Z10-LTL2 | D8191207 |
| | 3 | | | | | Z10-LTL3 | D8191309 |
| | 3+N | | | | | Z10-LTL3N | D8191811 |
| | 3+N* | | | Z10-LTL3N/L | D8191813 | | |
| | 1 | | | LED | 12 | Z10-LTL1/LED | D8191102 |
| | 1+N | | | | | Z10-LTL1N/LED | D8191704 |
| | 1+N* | | | | | Z10-LTL1N/L/LED | D8191706 |
| | 2 | | | | | Z10-LTL2/LED | D8191208 |
| | 3 | | | | | Z10-LTL3/LED | D8191310 |
| | 3+N | | | | | Z10-LTL3N/LED | D8191812 |
| | 3+N* | | | | | Z10-LTL3N/L/LED | D8191814 |
| | | | | | | | |
| Zylindersicherungslasttrennschalter/Cylindrical fuse-switch-disconnectors > 14 x 51 | | | | | | | |
|  | 1 | 690 | 50 | - | 12 | Z14-LTL1 | D8192115 |
| | 1+N | | | | | Z14-LTL1N | D8192717 |
| | 1+N* | | | | | Z14-LTL1N/L | D8192719 |
| | 2 | | | | | Z14-LTL2 | D8192221 |
| | 3 | | | | | Z14-LTL3 | D8192323 |
| | 3+N | | | | | Z14-LTL3N | D8192825 |
| | 3+N* | | | Z14-LTL3N/L | D8192827 | | |
| | 1 | | | LED | 12 | Z14-LTL1/LED | D8192116 |
| | 1+N | | | | | Z14-LTL1N/LED | D8192718 |
| | 1+N* | | | | | Z14-LTL1N/L/LED | D8192720 |
| | 2 | | | | | Z14-LTL2/LED | D8192222 |
| | 3 | | | | | Z14-LTL3/LED | D8192324 |
| | 3+N | | | | | Z14-LTL3N/LED | D8192826 |
| | 3+N* | | | | | Z14-LTL3N/L/LED | D8192828 |
| | | | | | | | |
| Zylindersicherungslasttrennschalter/Cylindrical fuse-switch-disconnectors > 22 x 58 | | | | | | | |
|  | 1 | 690 | 100 | - | 3 | Z22-LTL1 | D8193129 |
| | 1+N | | | | | Z22-LTL1N | D8193731 |
| | 1+N* | | | | | Z22-LTL1N/L | D8193733 |
| | 2 | | | | | Z22-LTL2 | D8193235 |
| | 3 | | | | | Z22-LTL3 | D8193337 |
| | 3+N | | | | | Z22-LTL3N | D8193839 |
| | 3+N* | | | Z22-LTL3N/L | D8193841 | | |
| | 1 | | | LED | 3 | Z22-LTL1/LED | D8193130 |
| | 1+N | | | | | Z22-LTL1N/LED | D8193732 |
| | 1+N* | | | | | Z22-LTL1N/L/LED | D8193734 |
| | 2 | | | | | Z22-LTL2/LED | D8193236 |
| | 3 | | | | | Z22-LTL3/LED | D8193338 |
| | 3+N | | | | | Z22-LTL3N/LED | D8193840 |
| | 3+N* | | | | | Z22-LTL3N/L/LED | D8193842 |
| | | | | | | | |

*N-Pol links angeordnet/N-pole on the left

Technische Daten/Technical Data

| Typ Type | Z10-LTL ... | | | | Z14-LTL ... | | | | Z22-LTL1 ... | | | | | |
|--------------------------------------------------------------------------------------------------------------------|------------------|-----------------|-------------------|--------|-------------|-----|-------------------|--------|--------------|-----|---------------------------|--------|-----|-----|
| Baugröße/Size | - | - | 10 x 38 | | | | 14 x 51 | | | | 22 x 58 | | | |
| Bemessungsbetriebsspannung Rated operating voltage | U _e | V | 690 | | | | 690 | | | | | | | |
| Bemessungsbetriebsstrom Rated operating current | I _e | A | 32 | | | | 50 | | | | 100 | | | |
| Für Zylindersicherungen nach IEC 60269/For cylindrical fuse-links according IEC 60269 | Größe/Size | | 10 x 38 | | | | 14 x 51 | | | | 22 x 58 | | | |
| Max. zul. Leistungsabgabe pro Sicherungseinsatz/Max. permis. power dissipation per fuse-link | P _a | W | 3 | | | | 5 | | | | 9,5 | | | |
| Begter Bemessungskurzschlussstrom/Rated conditional short-circuit current | - | kA | 100 (AC400V) | | | | 120 (AC500V) | | | | | | | |
| Gebrauchskategorie Utilization category | - | - | AC-22B (32A/690V) | | | | AC-22B (50A/690V) | | | | AC-21B (100A/690V) | | | |
| Bemessungsfrequenz/Rated frequency | - | Hz | 40 - 60 | | | | 40 - 60 | | | | | | | |
| Bemessungsstoßspannung Rated impulse withstand voltage | U _{imp} | kV | 8 | | | | 8 | | | | | | | |
| Umgebungstemperatur Ambient temperature | T _{amb} | °C | -5 bis/up to +40 | | | | -5 bis/up to +40 | | | | | | | |
| Klemmquerschnitt Terminal cross section | - | mm ² | 1 - 25 | | | | 1,5 - 35 | | | | Fahrstuhlklemme 4 - 50 | | | |
| Anzugsdrehmoment/Tightening torque | - | Nm | 2 | | | | 2,5 | | | | 3 | | | |
| Hutschienen-Montage/Rail-Mounting | - | - | EN60715 | | | | | | | | | | | |
| Polzahl/Number of poles | - | - | 1 | 2, 1+N | 3 | 3+N | 1 | 2, 1+N | 3 | 3+N | 1 | 2, 1+N | 3 | 3+N |
| Gesamtverlustleistung bei I _{th} (ohne Sicherung)/Total power loss at I _{th} (without fuse-link) | - | W | 0,27 | 0,54 | 0,81 | 1,1 | 0,9 | 1,8 | 2,7 | 3,6 | 1,5 | 3 | 4,4 | 5,9 |
| Verlustleistung bei 80% I _{th} (ohne Sicherung)/Power loss at 80% I _{th} (without fuse) | - | W | 0,18 | 0,35 | 0,52 | 0,7 | 0,6 | 1,2 | 1,7 | 2,3 | 0,9 | 1,9 | 2,8 | 3,8 |

Maßzeichnungen/Dimensions

| Z10-LTL ... | B [mm] | |
|-------------------------|--------|--------------------------------------------------------------------------------------|
| ... 1 | 17,5 |  |
| ... 1N, ... 1N/L, ... 2 | 35 | |
| ... 3 | 52,5 | |
| ... 3N, ... 3N/L | 70 | |
| Z14-LTL ... | B [mm] | |
| ... 1 | 27 |  |
| ... 1N, ... 1N/L, ... 2 | 54 | |
| ... 3 | 81 | |
| ... 3N, ... 3N/L | 108 | |
| Z22-LTL ... | B [mm] | |
| ... 1 | 35,6 |  |
| ... 1N, ... 1N/L, ... 2 | 71,2 | |
| ... 3 | 106,8 | |
| ... 3N, ... 3N/L | 142,4 | |