Weidmüller is a leading international provider of solutions for electrical connectivity, transmission and conditioning of power, signal and data in industrial environments. The company with headquarters in Detmold/Germany develops, produces and sells products in the field of electrical connectivity and electronics all over the world. Via a network of application specialists Weidmüller offers engineering services and develops application-specific solutions. The complete product and service portfolio consistently assures both Weidmüller and its customers of competitive advantages and an increase in value.
Product Portfolio

Weidmüller is a leading international provider of solutions for electrical connectivity, transmission and conditioning of power, signal and data in industrial environments. The company with headquarters in Detmold/Germany develops, produces and sells products in the field of electrical connectivity and electronics all over the world.

www.power-signal-data.com

The company with headquarters in Detmold/Germany develops, produces and sells
transmission and conditioning of power, signal and data in industrial environments.

Example of applications in 230/400 V systems

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<th>Class I (B arrester) Type</th>
<th>Order No.</th>
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<td>Light. protect. class</td>
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<td>Class II (C arrester) Type</td>
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<td>Remarks</td>
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<tr>
<td>Light. protect. class</td>
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<tr>
<td>Class III (D arrester) Type</td>
<td>Order No.</td>
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<td>Remarks</td>
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<tr>
<td>Light. protect. class</td>
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For further applications / voltage levels, please ask Weidmüller. All class II arresters and PU BC also available with telecommunication contact.
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Surge protection Innovations 2010/2011

**VARITECTOR SPC**
Page B.8
- Pluggable surge protection for C&I circuits (IEC 61643-21)

**VARITECTOR SPC EX**
Page B.36
- Pluggable surge protection for intrinsically safe current loops for gas and dust atmosphere up to zone 0

**VARITECTOR SSC 6AN**
Page B.48
- 2-stage surge protection with 6 screw-connection for C&I circuits (IEC 61643-21)

**VARITECTOR SSC 4AN**
Page B.72
- 2-stage surge protection with 4 screw-connection for C&I circuits (IEC 61643-21)

**PU II 750 V**
Page B.82
- Pluggable overvoltage protection class II for 750 V application, e.g. wind power

**PU I TSG+**
Page B.86
- Enclosed lightning arrester class I up to 100 kA (10/350 μs) for installation in front of the meter. (lightning protection Level 1)
Surge protection for low-voltage supplies

**PU I series**
Page C.11, B.49

Class I + II plug-in arrester for lightning protection equipotential bonding. Suitable for lightning protection level III and IV

**PU BC/PU BCR**
Page C.13

Class I + II plug-in arrester for lightning protection equipotential bonding. Suitable for lightning protection level II and III

**PU 1 TSG**
Page C.14

Enclosed lightning arrester class I up to 35/50 kA (10/350 μs), 17.5 mm wide, for use in main distribution boards, 230 V

**PU 1 TSG, N-PE path**
Page C.15

Enclosed lightning arrester class I up to 100 kA (10/350 μs), 35 mm wide, for insertion between N and PE

**PU 1 TSG+**
Page C.16

Lightning arrester class I up to 50 kA (10/350 μs) per unit with triggered sparkover gap for industrial main distribution boards, 330 V

**PU 1 TSG+**
Page C.16

Lightning arrester class I up to 50 kA (10/350 μs) per unit, with triggered sparkover gap for industrial main distribution boards, 440 V

**Combination arrester**
Page C.20

Combination arrester for 4-conductor and 5-conductor system

**PU II series**
Page C.24

Surge voltage protector class II, with varistors for main distribution or subdistribution boards (also with remote signalling contact)

**PU III series**
Page C.45

Surge voltage protector class III, single-phase with gas discharge tube and varistor for equipment protection, slimline model with remote signalling contact
Product overview

Surge protection for low-voltage supplies / instrumentation and control equipment

**PO DS**
Page C.49

Surge voltage protector class III, single-phase with gas discharge tube and varistor for equipment protection, build-in module with visual indication

**Wavefilter**
Page C.58

Mains filter, 3/6/10 A, with screw connection for 230 V devices or voltage supplies

**MCZ HF**
Page D.7

Measurement and control surge protection for binary and analogue signals. In a thin design (6 mm) with tension clamp connection and mounting rail contact

**MCZ CL/SL**
Page D.9

Instrumentation and control engineering surge protection for binary and analogue signals, slimline model (6 mm) with tension spring connection and mounting rail contact

**MCZ Filter**
Page D.16

Instrumentation and control engineering filter for analogue signals, slimline model (6 mm) with tension spring connection and mounting rail contact

**MCZ GDT, MOV, TAZ**
Page D.17

Instrumentation and control engineering surge protection with individual protective elements (GDT, MOV, TAZ), slimline model (6 mm) with tension spring connection and mounting rail contact

**LPU**
Page D.41

Instrumentation and control engineering surge protection for binary and analogue signals, plug-in model with screw connection (connection variations and test option)
Surge protection for instrumentation and control equipment

**DKU**
- Page D.20
- Instrumentation and control engineering surge protection for binary and analogue signals, slimline model (6 mm) with screw connection

**DK5U**
- Page D.22
- Instrumentation and control engineering surge protection for binary and analogue signals, slimline model (6 mm) with screw connection

**DK6U**
- Page D.23
- Instrumentation and control engineering surge protection for binary and analogue signals, slimline model (8 mm) with screw connection

**DK4U**
- Page D.24
- Instrumentation and control engineering surge protection with individual protective elements (GDT, MOV, TAZ), slimline model with screw connection

**DK4RC**
- Page D.26
- RC combination, suppressor circuit for contactors and solenoid valves, with screw connection

**EGU 1/2**
- Page D.29
- Two-stage instrumentation and control engineering surge protection for binary signals, with integral fuse (5 x 20 mm) and screw connection

**EGU 3 / EGU 4**
- Page D.30
- Two- and three-stage surge protection for binary and analogue signals up to 1.5 A, with rotating clip-in foot.

**JACKPAC®**
- Page D.32
- Single- and three-stage surge protection in IP67 quality: for protecting binary switching signals up to 24 V, or for analogue measuring circuits with 0…20 mA or 0…10 V.

**RSU 6/10 A**
- Page D.36
- Three-stage surge protection for analogue signals with high current requirement, or for power supplies in instrumentation and control systems
Surge protection for data interfaces

**EGU 4 RS232**  
Page E.4

Surge protection for RS 232 data interface in EG4 housing, with screw connection.

**ZS RS232**  
Page E.4

Surge protection for RS 232 data interface in flat connector housing, available as plug or socket connector.

**LPU RS485 / RS422**  
Page E.5

Surge protection for RS 485 and RS 422 data interface, plug-in model with screw connection.

**RS485**  
Page E.5

Surge protection for RS 485 data interface, in protected housing with T-junction option and optional earth connection via gas discharge tube.

**LON™ Termination**  
Page E.6

Bus termination terminal for LON Termination LPT/FTT/TP 78, with screw connection.

**MCZ OVP LON™**  
Page E.6

Surge protection for LON bus in MCZ housing, with tension spring connection and mounting rail contact.

**DME Ethernet Cat.5**  
Page E.7

DME Ethernet cat.5 surge protection.

**COAX**  
Page E.8

Surge protection for COAX interfaces, as BNC, N, F, and UHF adapter plug.

**Telecommunications interfaces**  
Page E.13

TAE-NFN for analogue and ISDN lines.
Surge protection for photovoltaic systems

PV box
Page F.10

PU II surge arrester, especially for photovoltaic systems