SpikeShield® Power Quality Products

DIN Rail Surge Products

65,000 and 40,000 Peak Amperage Capacity

OEM/Specialty Surge Protection

The SpikeShield offering includes a selection of hard-wired surge suppressors that can be internally mounted inside equipment cabinets. The DR series are DIN Rail mounted, provide 65,000 peak amp capacity and are parallel wired. The TDR series features an integral DIN Rail mounting system and a set of attachable mounting feet that allows the device to be flange mounted. The TDR models provide 40,000 peak amp capacity, up to -75dB of noise filtration and are series wired. Load ratings of 5, 15, and 20 amps are available in the 120-volt model and may be ordered with or without a set of dry contacts for remote signaling capability. Both products are ideal for panel builders, manufacturers and integrators of control or instrumentation cabinets for industrial, medical or commercial applications.

HBL1DR65

DIN Rail Mounted, Parallel-Wired (DR Series)

Service Voltage V AC	Configuration	Catalog Numbers
120 (Single Phase)	1Ph. 2-wire +G	**HBL1DR65**
240 (Single Phase)	1Ph. 2-wire +G	**HBL2DR65****

*Note: ** For international applications.*

Electrical Specifications

Catalog Number	MCOV †	Voltage Protection Rating (VPR) L-N	L-G	N-G	L-L
HBL1DR65	150	400	400	400	N/A
HBL2DR65	320	800	800	800	N/A

Max. Surge Current per Phase:	65kA
Max. Surge Current per Mode:	32kA
Max. Operating Temperature:	-10°F to 60°F (14°C to 140°C)
Diagnostics:	Green Status LED's, Audible Alarm, Diagnostic Contacts
Dimensions:	2.28"D x 2.82"W x 3.5"H
Weight:	0.512 lbs.
Terminal Accommodation:	Up to #12 AWG
Frequency:	50/60/400 Hz
EMI/RFI:	Up tp -40dB
NEMA:	1, Non-Metallic
Warranty:	10 year

Note: † MCOV - Maximum Continuous Operating Voltage.

HBL1TDR755

DIN Rail/Flange Mounted, Series Wired (TDR Series)

Service Voltage	Configuration	Catalog Numbers with Dry Contacts	Catalog Numbers without Dry Contacts
120 (Single Phase)	1Ph. 2-wire +G	**HBL1TDR755DC**	**HBL1TDR755**
120 (Single Phase)	1Ph. 2-wire +G	**HBL1TDR7515DC**	**HBL1TDR7515**
120 (Single Phase)	1Ph. 2-wire +G	**HBL1TDR7520DC**	**HBL1TDR7520**
240 (Single Phase)	1 Phase 2 wire	**HBL2TDR7520DC****	

*Note: ** For international applications.*

Electrical Specifications

Catalog Numbers		SCCR*	Mounting	MCOV †	Voltage Protection Rating (VPR) L-N	L-G	N-G	L-L
HBL1TDR755DC	**HBL1TDR755**	5	Back Nipple	150	330	330	330	N/A
HBL1TDR7515DC	**HBL1TDR7515**	15	Back Nipple	150	330	330	330	N/A
HBL1TDR7520DC	**HBL1TDR7520**	20	Side Nipple	150	330	330	330	N/A
HBL2TDR7520DC	–	20	Side Nipple	320	800	800	700	N/A

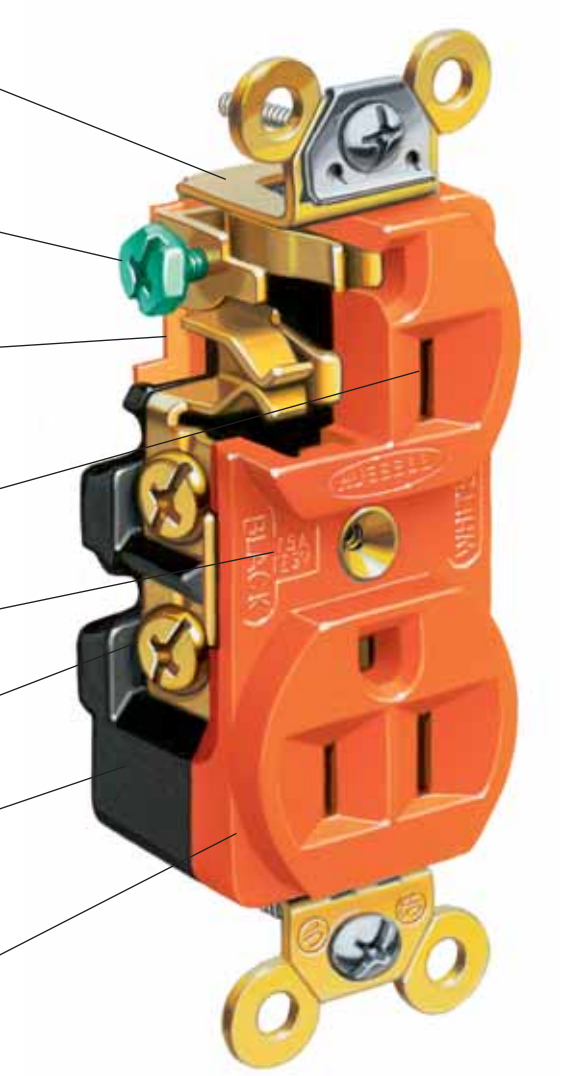
Max. Surge Current per Phase:	40kA
Max. Surge Current per Mode:	20kA
Max. Operating Temperature:	-10°F to 60° F (14°C to 140°C)
Diagnostics:	Green Status LED's, Dry Contacts
Dimensions:	5.26"D x 4.00"W x 2.23"H
Weight:	1 lbs.
Terminal Accommodation:	Up to #12AWG
Frequency:	60 Hz
NEMA:	1, Non-Metallic
Warranty:	10 year

*Notes: * SCCR - Short Circuit Current Rating*
† MCOV - Maximum Continuous Operating Voltage.

SpikeShield® Power Quality Products

Straight Blade Isolated Ground Receptacles

Features and Benefits



Wrap-around, locked on brass mounting strap provides additional support strength for receptacle assembly.

Green grounding screw connected directly to the grounding contacts.

Insulation barrier construction — first patented by Hubbell — isolates ground contacts from the mounting strap.

Straight blade 15A and 20A, 125V duplex receptacles are available in a variety of colors.

Amperage and voltage clearly indicated.

Back- and side-wiring capability provides easy installation with stranded or solid wire.

Dimensionally stable, reinforced thermoplastic polyester provides impact strength in addition to heat and flame resistance.

Impact-resistant nylon face.

Isolated Ground Receptacles, A "Clean" Path Provides A "Clean" Ground For Sensitive Equipment

In February 1968, Hubbell patented the first isolated ground receptacle. Today – when a clean, noise-free ground is more important than ever – Hubbell is still setting the standard.

Hubbell uses insulation barrier construction on many models to isolate the ground contacts from the mounting strap. The green grounding screw is connected directly to the grounding contacts. In this way, ground contacts are separated from the mounting strap and also from the conventional grounding system. The isolated ground circuit is completed by running a dedicated insulated ground wire from the system ground buss to the green grounding screw.

And there's more to the Hubbell line:

- Available in 19 NEMA configurations and a total of 60 different type receptacles.
- Versatility and mobility: With Hubbell's grounding method, Hubbell's IG devices can be mounted in boxes, on metal panels...almost anywhere.
- Hubbell quality: Every Hubbell IG device meets and exceeds all applicable codes and standards, plus the toughest standard of all...the Hubbell standard of excellence.

IG triangle on the face of the receptacle clearly indicates isolated ground device on the face of the receptacle.