DIN-RAIL POWER SUPPLIES/RECEPTACLES

Acme's new flagship line of DM Series DC power supplies are an innovative solution to a vast array of control applications.



HUBBELL®

Acme Electric®

DM SERIES 0.6 TO 20 AMPS

Acme's new flagship line of DM Series DC power supplies are an innovative solution to a vast array of control applications. Designed to provide optimal performance with a minimal impact on installation time and space.

Currently available in single phase and three phase models from 0.6 to 20 Amps (15-480 watts) these new power supplies provide the convenience of DIN-rail mounting for a toolless installation and the versatility of a standard auto-ranging input to cover the most applications with the fewest models. The slim profile greatly reduces the amount of space taken up on the DIN-rail and within the overall control cabinet. The fully enclosed design is touch proof and CE compliant to meet international specifications. All units are UL 508 listed and can be used at full-rated power.

Solution Ease

The DM families auto-ranging input feature provides you the versatility of using one power supply to address input voltages from 90-264 volts for single phase applications and 340-575 on three phase applications automatically–no adjustments required during installation.

Space Saving

All the Acme Electric "DM Series" power supplies have been designed in a compact, slim profile package compatible with other modules mounted in the control panel.

Installation Made Easy

All housings conveniently snap onto standard 35 mm DIN-rail assuring permanent mounting without the use of any tools.

Features

- Fully enclosed, low profile design
- Touchsafe
- Reduced installation time
- Pluggable connections
- Fast, easy wiring connections
- Simplifies troubleshooting effort
- DIN-rail Mounted
- Mounts on standard DIN-rail
- No tools required
- Local output indication
- Primary switching technology
- Up to Three-year limited warranty

Industries

- Automotive
- Machine tool
- Material handling
- Packaging
- Food processing
- Panel builders
- Automation

Applications

- Industrial/Machine control
- Process control
- Conveying equipment
- Material handling
- Packaging
- Robotics
- Welding



DM SERIES FEATURES

DC power now comes in a smaller package. Our slimline single phase models measure as small as 32 mm wide to conserve valuable space on the DIN Rail and in the overall control cabinet!



SINGLE PHASE

Catalog Number	Output Power (Watts Max)	Amp Rating	Voltage Range AC	Voltage Range DC	Output Voltage	Efficiency (1)	Operating Temperature	Height (Inches)(Cm.)	Width (Inches)(Cm.)	Depth (Inches)(Cm.)	Weight (Lbs.)(Kg.)
DM112045	54 W	4.5–3.4	90–254 VAC	—	12 VDC (10–16 adj)	86%	-10°C to +60°C	4.88 (124)	1.97 (50)	4.13 (105)	1.08 (0.49)
DM124025	60 W	2.5–2.1	90–254 VAC	—	24 VDC (22–28 adj)	87%	-10°C to +60°C	4.88 (124)	1.97 (50)	4.13 (105)	1.08 (0.49)
DM12420	480 W	20.0–17.1	90–254 VAC	—	24 VDC (22–28 adj)	90%	-10°C to +60°C	5.12 (130)	6.14 (156)	4.96 (126)	4.96 (2.25)
DM13613	480 W	13.3–12.0	90–254 VAC	—	36 VDC (34–40 adj)	90%	-10°C to +60°C	5.12 (130)	6.14 (156)	4.96 (126)	4.96 (2.25)
DM1480125	60 W	1.25–1.15	90–254 VAC	—	48 VDC (46–52 adj)	89%	-10°C to +60°C	4.88 (124)	1.97 (50)	4.13 (105)	1.08 (0.49)
DM14810	480 W	10.0–9.2	90–254 VAC	—	48 VDC (46–52 adj)	90%	-10°C to +60°C	5.12 (130)	6.14 (156)	4.96 (126)	4.96 (2.25)

Frequency: 47-63 Hz for all models

1. Depends upon specific model selection, output voltage and/or upon 120 or 240 VAC operation.

SLIMLINE SINGLE PHASE

Catalog Number	Output Power (Watts Max)	Amp Rating	Voltage Range AC	Output Voltage	Efficiency (1)	Operating Temperature	Height (Inches)(Cm.)	Width (Inches)(Cm.)	Depth (Inches)(Cm.)	Weight (Lbs.)(Kg.)
DM11206S	72 W	6.0 - 4.8	90-264 VAC	12 VDC (12-15 adj)	87%	-20°C to +60°C	4.88 (124)	1.26 (32)	4.02 (102)	0.92 (0.42)
DM11208S	96 W	8.0 - 6.4	90-264 VAC	12 VDC (12-15 adj)	89%	-20°C to +60°C	4.88 (124)	1.57 (40)	4.45 (113)	1.37 (0.62)
DM11215S	180 W	15.0	90-264 VAC	12 VDC (12-15 adj)	88%	-20°C to +60°C (1)	4.88 (124)	2.36 (60)	4.45 (113)	1.98 (0.9)
DM124033S	80 W	3.4 - 2.8	90-264 VAC	24 VDC (24-28 adj)	90%	-20°C to +60°C	4.88 (124)	1.26 (32)	4.02 (102)	0.92 (0.42)
DM12405S	120 W	5.0 - 4.3	90-264 VAC	24 VDC (24-28 adj)	91%	-20°C to +60°C	4.88 (124)	1.57 (40)	4.45 (113)	1.37 (0.62)
DM12410S	240 W	10.0	90-264 VAC	24 VDC (24-28 adj)	92%	-20°C to +60°C (1)	4.88 (124)	2.36 (60)	4.45 (113)	1.98 (0.9)
DM148017S	80 W	1.7 - 1.4	90-264 VAC	48 VDC (48-56 adj)	90%	-20°C to +60°C	4.88 (124)	1.26 (32)	4.02 (102)	0.92 (0.42)
DM148025S	120 W	2.5 - 2.1	90-264 VAC	48 VDC (48-56 adj)	91%	-20°C to +60°C	4.88 (124)	1.57 (40)	4.45 (113)	1.37 (0.62)
DM14805S	240 W	5.0	90-264 VAC	48 VDC (48-56 adj)	92%	-20°C to +60°C (1)	4.88 (124)	2.36 (60)	4.45 (113)	1.98 (0.9)

Frequency: 47-63 Hz for all models

1. Depends upon specific model selection, output voltage and/or upon 120 or 240 VAC operation.

THREE PHASE

Catalog Number	Output Power (Watts Max)	Amp Rating	Voltage Range AC	Voltage Range DC	Output Voltage	Efficiency (1)	Operating Temperature	Height (Inches)(Cm.)	Width (Inches)(Cm.)	Depth (Inches)(Cm.)	Weight (Lbs.)(Kg.)
DM32405	120 W	5.0 - 4.3	340-575 VAC	450-820 VDC	24 VDC (24-28 adj)	89%	-10°C to +60°C	4.96 (126)	2.56 (65)	4.65 (118)	1.65 (0.75)
DM32410	240 W	10.0 - 8.6	340-575 VAC	450-820 VDC	24 VDC (24-28 adj)	89%	-10°C to +60°C	5.12 (130)	3.43 (87)	4.96 (126)	2.76 (1.25)
DM32420	480 W	20.0 - 17.1	340-575 VAC	450-820 VDC	24 VDC (24-28 adj)	90%	-10°C to +60°C	5.12 (130)	6.14 (156)	4.96 (126)	4.85 (2.20)

Frequency: 47-63 Hz for all models

1. Depends upon specific model selection, output voltage and/or upon 120 or 240 VAC operation.

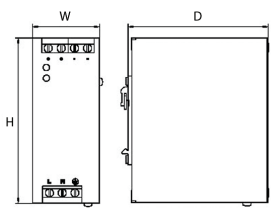
PLASTIC

Catalog Number	Output Power (Watts Max)	Amp Rating	Voltage Range AC	Output Voltage	Efficiency (1)	Operating Temperature	Height (Inches)(Cm.)	Width (Inches)(Cm.)	Depth (Inches)(Cm.)	Weight (Lbs.)(Kg.)
DMP1504	20 W	4.4 - 3.64	90-264 VAC	5 VDC (4.5-5.5 adj)	75%	-10°C to +50°C	3.54 (90)	0.90 (22.8)	4.02 (102)	0.35 (0.16)
DMP1120125	15 W	1.25 - 1.07	90-264 VAC	12 VDC (10-14 adj)	78%	-10°C to +50°C	3.54 (90)	0.90 (22.8)	4.02 (102)	0.29 (0.13)
DMP112025	30 W	3.0 - 2.14	90-264 VAC	12 VDC (10-14 adj)	84%	-10°C to +50°C	3.54 (90)	0.90 (22.8)	4.02 (102)	0.35 (0.16)
DMP11204	50 W	5.0 - 3.57	90-264 VAC	12 VDC (10-14 adj)	83%	-10°C to +50°C	3.54 (90)	1.26 (32)	4.02 (102)	0.51 (0.23)
DMP11502	30 W	2.14 - 1.67	90-264 VAC	15 VDC (14-18 adj)	84%	-10°C to +50°C	3.54 (90)	0.90 (22.8)	4.02 (102)	0.35 (0.16)
DMP124006	15 W	0.68 - 0.54	90-264 VAC	24 VDC (22-28 adj)	81%	-10°C to +50°C	3.54 (90)	0.90 (22.8)	4.02 (102)	0.29 (0.13)
DMP1240125	30 W	1.36 - 1.07	90-264 VAC	24 VDC (22-28 adj)	85%	-10°C to +50°C	3.54 (90)	0.90 (22.8)	4.02 (102)	0.35 (0.16)
DMP12402	50 W	2.27 - 1.79	90-264 VAC	24 VDC (22-28 adj)	85%	-10°C to +50°C	3.54 (90)	1.26 (32)	4.02 (102)	0.51 (0.23)
DMP14801	50 W	1.09 - 0.96	90-264 VAC	48 VDC (46-52 adj)	85%	-10°C to +50°C	3.54 (90)	1.26 (32)	4.02 (102)	0.51 (0.23)

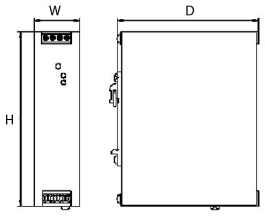
Frequency: 47-63 Hz for all models

1. Depends upon specific model selection, output voltage and/or upon 120 or 240 VAC operation.

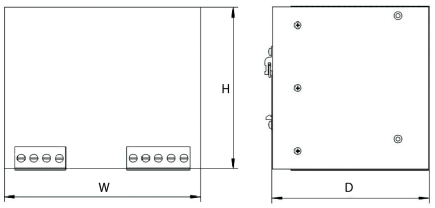
DM SERIES DIMENSIONAL DRAWINGS



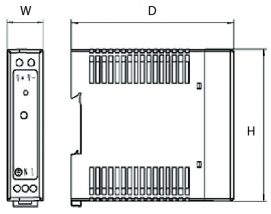
Single Phase



Slim Line



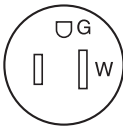
Three Phase



Plastic

DIN RAIL UTILITY BOX
15 and 20 Ampere

Hubbell's DIN Rail Utility Box offers a labor saving way to provide utility power to any control cabinet. Installing the DIN Rail Utility Box is as easy as snapping the box onto a 35mm DIN Rail and connecting the line, neutral and ground wires to the terminal block. Utility power for fans, lights, laptop computers, testers or any other power requirement. All Hubbell DIN Rail Utility Boxes may be mounted either vertically or horizontally on the DIN Rail.



15A 125V
NEMA 5-15F
UL CSA
0.5H P



20A 125V
NEMA 5-20R
UL CSA
1 HP



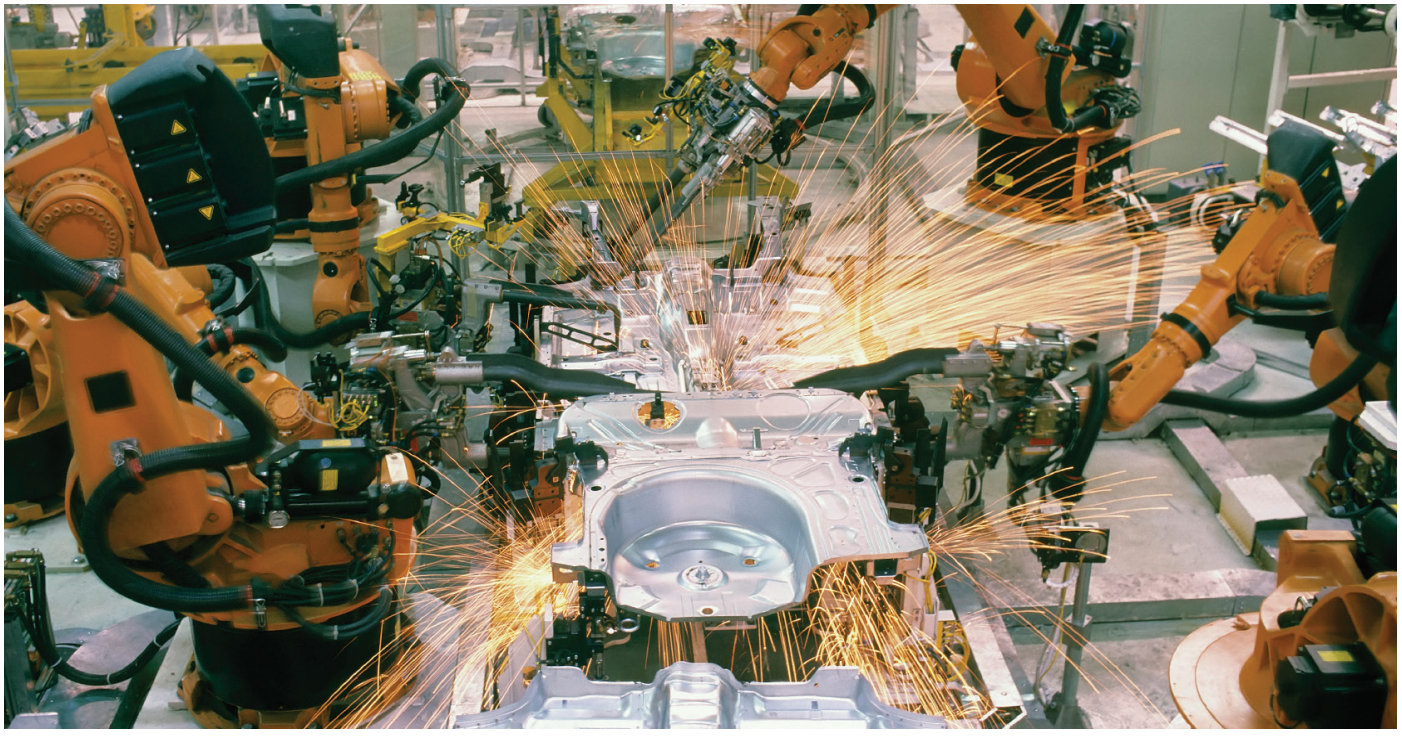
DUPLEX RECEPTACLES

Catalog Number		Color	Description
15A 125V NEMA 5-15R UL CSA 0.5 HP	20A 125V NEMA 5-20R UL CSA 1 HP		
DRUB15	DRUB20	Gray	DIN-Rail mounted duplex receptacles.



GFCI DUPLEX RECEPTACLES

Catalog Number		Color	Description
15A 125V NEMA 5-15R UL CSA 0.5 HP	20A 125V NEMA 5-20RUL CSA 1 HP		
DRUBGFI15	DRUBGFI20	Gray	DIN-Rail mounted GFCI duplex receptacles.
DRUBGFI15AC	DRUBGFI20AC	Gray	DIN-Rail mounted duplex receptacles with aux GFCI contacts.



HARD-WIRED SPD

Hubbell hard-wired SPDs are multi-phase surge protective devices and noise filters in compact and affordable packages. The compact designs allow surge suppression to be installed adjacent to power panels or directly on sensitive equipment in harsh electrical conditions.

Hubbell hard-wired systems are versatile and compact surge protective devices designed to provide high-quality surge suppression for a wide variety of commercial, industrial or institutional applications. Hubbell hard-wired devices can be used in a network of surge suppression applications or as a stand-alone surge suppressor.

Superior Performance
Hubbell hard-wired SPDs utilize a high-energy suppression circuit that provides from 50,000 to 100,000 peak amps of surge current rating per phase. Hubbell hard-wired SPDs contain a suppression circuit that not only provides additional transient suppression, but also noise filtration. Hard-wired SPD units provide reliable operation by incorporating the latest engineering developments. Each MOV is individually fused and the products are contained in a NEMA Type 4 housing. Hubbell hard-wired SPDs incorporate the latest overvoltage technology innovations. The hard-wired series provides superior overvoltage withstand capability for systems with unstable power without compromising transient clamping performance.

Easy Installation
Hubbell hard-wired SPDs mount directly to the panel through a nippled connection. They allow easymounting near the circuit breaker in order to reduce lead lengths and improve surge suppression.

10-year Warranty
Hubbell hard-wired SPDs have a 10-year warranty.

Features
- NEMA 4X Enclosure
- Overvoltage technology
- EMI/RFI Noise Rejection
- LED Status Indication
- Suppression Status Alarm
- Coordinated Fuse Technology

Advantages
- Allows installation in outdoor applications
- Superior overvoltage withstand and surge suppression
- Increased transient suppression
- Provides visual indication of the suppressor status
- Provides immediate alarm if suppression is ever damaged
- Thermal fuse capable of passing extreme surge currents

Benefits
- Provides surge suppression to vulnerable equipment powered from weather-exposed panels
- Longer product life and increased tolerance to unstable power conditions
- Improves surge suppression to the equipment
- Allows immediate response if suppressor is damaged
- Warns if operating with reduced or without surge suppression
- Provides premium surge suppression while managing thermal effects from MOV end of life

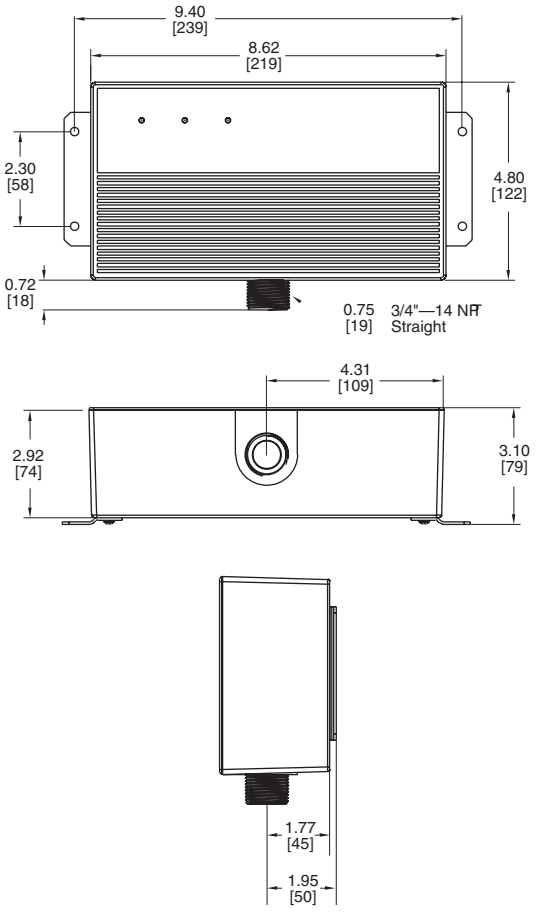
HARD-WIRED SPD CONT.

Performance
- Short Circuit Current Rating 200 kA
- Fusing Individually fused MOVs
- Filtering EM/RFI Noise Rejection Yes

Mechanical Description
- Dimensions 8.62” x 4.80” x 2.92”
- Housing Rating NEMA 4X
- Connection Method #10 AWG
- Mounting Method/Circuit Type Parallel
- Thermal Fusing Yes
- Operating Frequency 50/60 Hz
- Operating Altitude Sea Level-12,000’ (3,658 m)
- Storage Temperature -40˚ F to +149˚ F (-40˚ C to +65˚ C)
- Operating Temperature -4˚ F to +160˚ F (-20˚ C to +71˚ C)

Diagnostics
- Green status LED, audible alarm, dry contacts

Listings and Performance
- cULus 1449 3rd edition Type 2 SPD, UL 1283 (Wye products only), CSA C22.2 No. 8-M1986



Hard-Wired SPD NEW

						VPR			
Model Number	Surge Current	Configuration	Voltage	MCOV	I_n	L-N	L-G	L-L	N-G
HBL3W100C	100kA	1 Ø, 3-wire+G	120V/240	150V	20kA	900V	1200V	1500V	700V
HBL4W100C	100kA	3 Ø, Wye, 4-wire+G	120V/208Y ①	150V	20kA	900V	1200V	1500V	700V
HBL8W100C	100kA	3 Ø, Wye, 4-wire+G	277V/480Y ②	320V	20kA	1200V	2000V	2500V	1000V
HBL9W100C	100kA	3 Ø, Delta, 3-wire	480V Delta	840V	20kA	N/A	N/A	3000V	N/A

① 120/208Y series also applies to the following voltage 127/220Y

② 277/480Y series also applies to the following voltages 220/380Y, 230/400Y, and 240/415Y



TYPE 1 SPD'S

Hubbell brand Spikeshield Type 1 Surge Protective Devices (SPDs)are compact and affordable arresters available in either single or multi-phase models. Spikeshield SPDs offer a simple meansto bring down initial surges to manageable levels in a cascaded SPD system. Their compact design allows surge suppressionto be installed adjacent to power panels or directly on sensitive equipment.

Type 1 SPDs are versatile and compact devices designed to provide high-quality surge suppression for a wide variety of commercial, industrial or institutional applications. Hubbell brand Spikeshield Type 1 SPDs can be used in a cascaded network of suppression applications or as stand-alone surge suppression. Type 1 SPDs can also be installed on the electric meter, on well pumps or on other sensitive electronic equipment. NEMA Type 4X rated housing allows installations outdoors.

Superior Performance
Spikeshield Type 1 SPDs utilize high-energy suppression circuitry that can be located at any point in the electrical system. They have the flexibility to be used with or without an Overcurrent Protection Device (OCPD).

Type 1 SPDs provide surge suppression for equipment from severe transient activity. Each MOV is individually fused and the products are enclosed in a NEMA Type 4X housing suitable for installing outdoors or in other harsh environments.

Easy Installation
Spikeshield Type 1 SPDs are some of the most versatile, yet compact surge protective devices available on the market today. This compact package can be mounted on an electrical panel, meter socket, or inside electrical control cabinets.

10-year Warranty
The HBL3W50 warranty is 10 years. The HBLSDSA36 warranty is 2 years. The HBL4SA40, HBL8SA40 warranty is 2 years.

Features
- NEMA 4X Enclosure
- Compact Design
- Designed for Type 1 Applications
- LED Status Indication
- Coordinated Fuse Technology

Advantages
- Allows installation in outdoor applications
- Easily mounts even in restricted spaces
- Can be installed with or without an Overcurrent Protective Device (OCPD)
- Provides visual indication of the suppressor status
- Fuses capable of passing extreme surge currents

Benefits
- Provides surge suppression to vulnerable equipment powered from weather exposed panels
- Transient suppression is located at the most efficient connection point
- Improves surge suppression to the equipment
- Allows for flexibility in installation locations
- Allows immediate indication if suppressor requires replacement
- Provides premium surge suppression while managing thermal effects from MOV end of life

Mechanical Description
- Housing Rating NEMA 4X
- Connection Method
  HBL3W50* #12 AWG
  HBLSDSA36* #14 AWG
  HBL4SA40
  HBL8SA40 #12 AWG
- Mounting Method/Circuit Type Close Nippled

- Thermal Fusing
- Operating Frequency 50/60 Hz
- Operating Altitude Sea Level-12,000' (3,658 m)
- Storage Temperature -40˚ F to +149˚ F (-40˚ C to +65˚ C)
- Operating Temperature -40˚ F to +149˚ F (-40˚ C to +65˚ C)

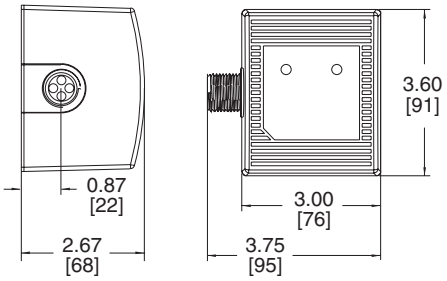
Diagnostics
- Green status LED

Listings and Performance
- *cULus Listed to 1449 Type 1 SPD, CSA C22.2 No. 8-M1986, C233.1-87

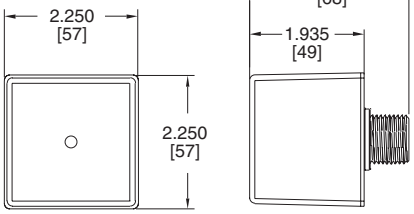
**cULus Listed per UL 1449 Type 1 SPD, CSA C22.2 No. 269.1-14



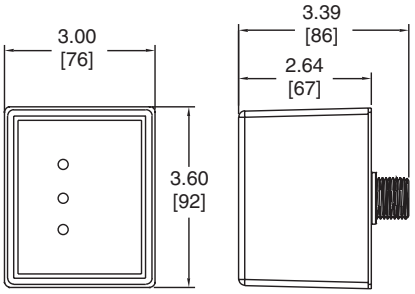
HBL3W50



HBLSDSA36



HBL4SA40, HBL5SA40, HBL8SA40, HBL9SA40, HBL10SA40 and HBL11SA40



HBL3W50

The HBL3W50 series provide high-quality surge suppression in a compact and versatile package. This product is ideal for panel builders as well as manufacturers and integrators of instrumentation cabinets for industrial, commercial, and residential applications for single-phase power systems.

HBL3W50 SPDs incorporate the latest overvoltage technology innovations. The series provides superior overvoltage withstand for systems with unstable power without compromising transient clamping performance.

HBL3W50

Model Number	Surge Current	Configuration	Voltage	MCOV	SCCR	I_n	VPR L-N	VPR L-G	VPR L-L
HBL3W50	50kA	1 Ø, 3-wire+G, side mounted	120V/240	150V L-N, L-G 300V L-L	25kA	10kA	700V	800V	1200V

HBLSDSA36

The HBLSDSA36 Type 1 SPD is designed and listed for indoor or outdoor installation and surge suppression for single-phase three-wire 120/240 Vac 60 Hz electrical services. Two HBLSDSA36 Type 1 SPDs can be installed to provide surge suppression on120/208V threephase four-wire services.

HBLSDSA36

							VPR			
Model Number	Surge Current	Configuration	Voltage	MCOV	SCCR	I_n	L-N	L-G	L-L	N-G
HBLSDSA36	36kA	1 Ø, 3-wire, back mounted	120V/240	150V	22kA	10kA	700V	N/A	1200V	N/A

HBL4SA40, HBL8SA40

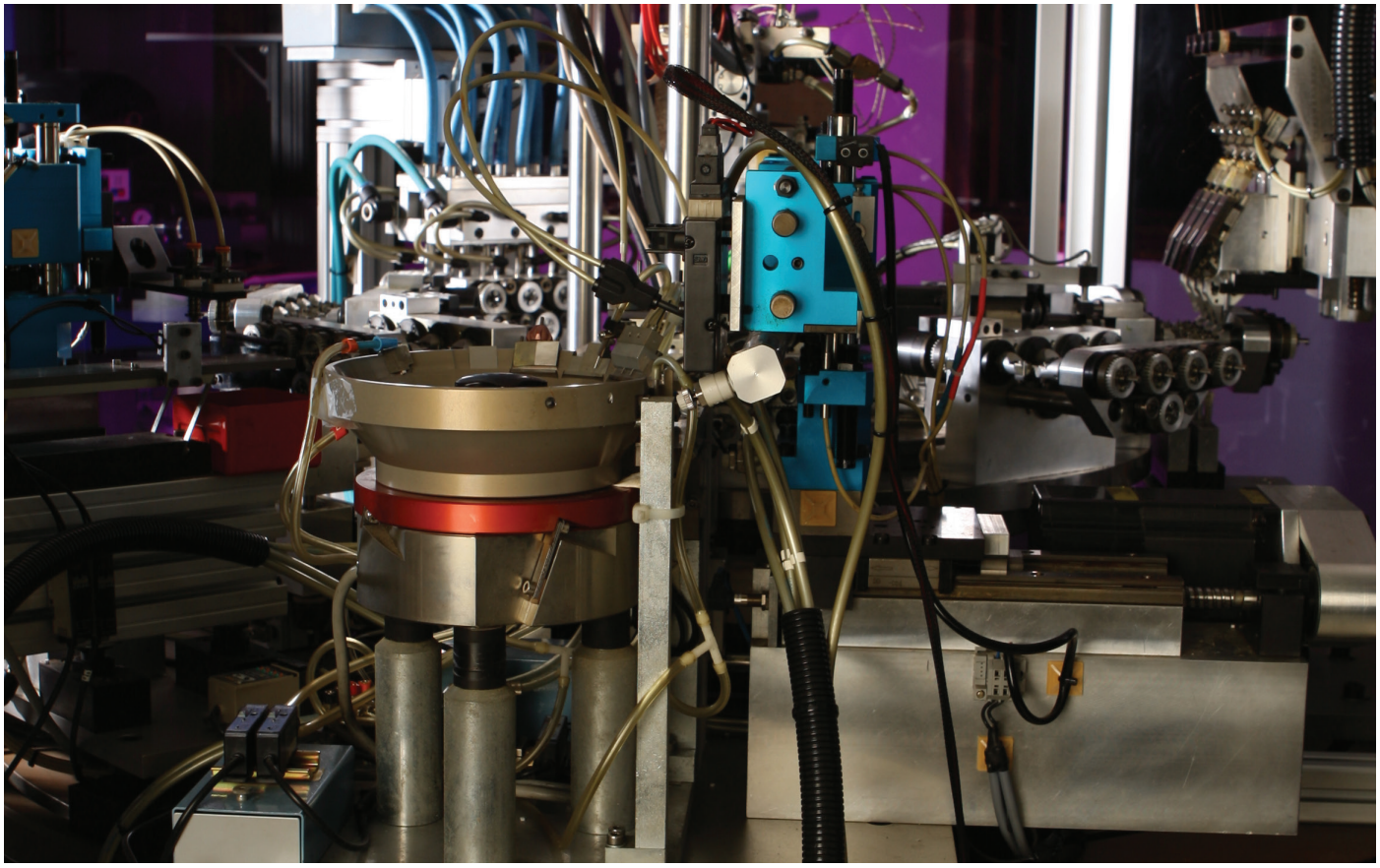
The HBL4SA40, ,HBL8SA40 Type 1 SPD is designed and listed for indoor or outdoor installation and surge suppression of three-phase grounded electrical services from 120/208 Vac up to 480 Vac line to line and is used extensively in service entrance panels to provide an efficient and economical means of surge suppression.

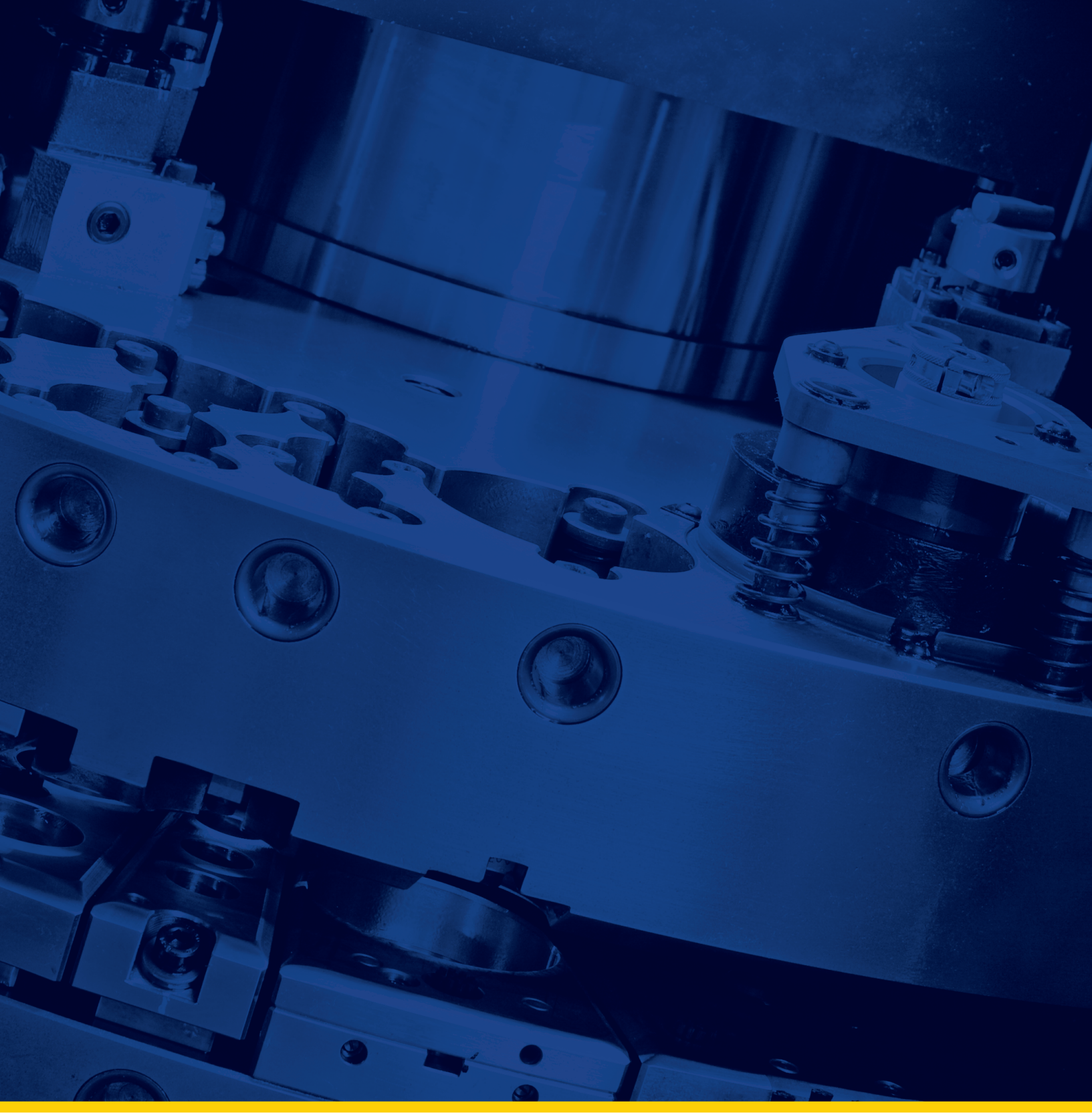
HBL4SA40, HBL8SA40

								VPR			
Model Number	Modes of Protection	Surge Current per Phase	Configuration	Voltage	MCOV	SCCR	I_n	L-N	L-G	L-L	N-G
HBL4SA40	6	40kA	3 Ø, 4-wire	208Y/120V①	180V L-N 360V L-L	200kA	10kA	700V	N/A	1200V	N/A
HBL8SA40	6	40kA	3 Ø, 4-wire	208Y/120V①	420V L-N 840V L-L	200kA	10kA	1500V	N/A	2500V	N/A

① Applicable voltages: 220Y/127V, 208Y/120V

② Applicable voltages: 480Y/277V, 415Y/240V, 400Y/230V, 380Y/220V





Hubbell Acme Electric
N56W13385 Silver Spring Drive
Menomonee Falls, WI 53051
800.334.5214

hubbell.com/acmeelectric/en

Hubbell Canada Inc.
905-839-1138

Hubbell de Mexico, S.A. de C.V.
52-55-9151-9999

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