Wired-In Branch Panel Protection, Surge Arrestors and Surge Protective Devices

Wired-In Branch Panel Protection

- 100,000 Peak Amperage Capacity
- Ideal for areas where space is a major consideration
- Can be mounted directly to the panel through a chase nipple connection to reduce lead length and impedance
- NEMA 4X housing
- 200kA SCCR rating
- UL 1449-3rd edition

Wired-In Surge Arrestors and Surge Protective Devices

- 36,000, 40,000, 50,000 and 120,000 Peak Amperage Capacity
- Surge arrestors are a low cost solution that may be installed on the line side or load side of the service entrance
- Excellent for OEM applications where size is an important variable
- Single phase wired-in surge protective devices feature a compact design
- NEMA 4X Rated
- UL 1449-3rd edition

Wired-In Branch Panel Protection 100,000 Peak Amp Capacity (Type 2 SPD)

Service Voltage V AC	Configuration	Catalog Number
120/240 Single Phase	1Ph. 3-wire +G	**HBL3W100C**
120/208 Wye*	3Ph. Wye 4-wire +G	**HBL4W100C**
240 Delta	3Ph. Delta 3-wire Corner Gnd	**HBL5W100C**
240/120 Delta split phase	3Ph. Delta 4-wire +G 'High Leg'	**HBL6W100C**
277/480 Wye**	3Ph. Wye 4-wire +G	**HBL8W100C**
480 Delta	3Ph. Delta 3-wire Corner Gnd	**HBL9W100C**
347/600 Wye	3Ph. Wye 4-wire +G	**HBL10W100C**
600 Delta	3Ph. Delta 3-wire Corner Gnd	**HBL11W100C**

*Note: *120/208 Wye also applies to 127/220 Wye.*
***277/480 Wye also applies to 220/380 Wye, 230/400 Wye and 240/415 Wye.*

HBL9W100C

HBLSDSA40

Wired-In Surge Arrestors, Single Phase 36,000 and Three Phase 40,000 (Type 1 / Type 2 SPD)

Service Voltage V AC	Configuration	Peak Amp Capacity	Mounting Means	Catalog Number
120/240 Single Phase	1Ph. 3-wire	36kA	Back Nipple Mount	**HBLSDSA36**
600V Max Three Phase	3Ph. 3-wire	40kA	Back Nipple Mount	**HBLSDSA40**

HBLSDSA36

Wired-In Surge Protective Devices 50,000 and 120,000 Peak Amp Capacity (Type 1/Type 2 SPD)

Service Voltage V AC	Configuration	Peak Amp Capacity	Mounting Means	Catalog Number
120/240 Single Phase	1Ph. 3-wire + G	50kA	Side Nipple Mount	**HBL3W50**
120/240 Single Phase	1Ph. 3-wire + G	120kA	Side Nipple Mount	**HBL3W120**

HBL3W50

Surge Panel Specifications

320kA, 160kA and 120kA Service/Branch Panel Protection

Electrical Specifications

Catalog Number		SCCR ◊	In	MCOV †	Voltage Protection Rating (VPR) L-N	L-G	N-G	L-L
HBL3P320A	**HBL3P160A**	200kA	20kA	150/300	700	700	700	1200
HBL4P320A	**HBL4P160A**	200kA	20kA	150/300	700	700	700	1200
HBL6P320A	**HBL6P160A**	200kA	20kA	270/150	1200/700	1200/700	700	1500/1000
HBL8P320A	**HBL8P160A**	200kA	20kA	320/640	1200	1200	1200	1200
HBL10P320A	**HBL10P160A**	200kA	20kA	420/840	1500	1500	1500	2500
HBL3P120B		200kA	20kA	150/270	700	700	700	1200
HBL4P120B		200kA	20kA	150/270	700	700	700	1200
HBL6P120B		200kA	20kA	275/150	1000/700	1000/700	700	1500/1200
HBL8P120B		200kA	20kA	320/640	1200	1200	1200	2000
HBL10P120B		200kA	20kA	390/780	1500	1500	1500	2500

Product Specifications

Max. Surge Current per Phase:	**320kA, 160kA and 120kA**		
Max. Operating Temperature:	-40°F to 149°F (-40°C to 65°C)		
Diagnostics	Red & Green LED's, Diagnostic Test Switches, Dry Contacts, Audible Alarm, Surge Counter		
EMI/RFI:	Up to -30dB		
NEMA:	3R/12 Metallic		
Listing:	cULus UL1449-3rd edition type 2 SPD, UL1283, CSA C22.2 NO. 8-M1986		
Warranty:	10 year		
	320kA	**160kA**	**120kA**
Dimensions:	w/ Disconnect: 6.0"D x 20.0"W x 24.0"L w/o Disconnect: 6.0"D x 16.0"W x 20.0"L	w/ Disconnect: 6.0"D x 20.0"W x 24.0"L w/o Disconnect: 6.0"D x 16.0"W x 20.0"L	6.0"D x 20.0"W x 24.0"L
Weight:	with Disconnect: 50.6 lbs. without Disconnect: 38.7 lbs.	with Disconnect: 44 lbs. without Disconnect: 15 lbs.	17 lbs.
Terminal Accommodation:	#10 AWG to #2 AWG	#10 AWG to #2 AWG	#12 AWG to #2 AWG
Frequency:	50/60 Hz	50/60 Hz	50/60/400 Hz

Wired-In Branch Panel Protection, Surge Arrestors and Surge Protective Devices

Electrical Specifications

Catalog Number	SCCR ◊	In	MCOV †	Voltage Protection Rating (VPR) L-N	L-G	N-G	L-L
HBL3W100C	200kA	20kA	150/270	900	1200	700	1500
HBL4W100C	200kA	20kA	150/270	900	1200	700	1500
HBL5W100C	200kA	20kA	300	N/A	N/A	N/A	1500
HBL6W100C	200kA	20kA	275/150	1000	1200	700	1500
HBL8W100C	200kA	20kA	320/640	1200	2000	1000	2500
HBL9W100C	200kA	20kA	640	N/A	N/A	N/A	3000
HBL10W100C	200kA	20kA	390/780	1500	2500	1500	3000
HBL11W100C	200kA	20kA	780	N/A	N/A	N/A	3000
HBLSDSA36	25kA	10kA	150	700	N/A	N/A	1200
HBLSDSA40	200kA	10kA	750/1500	2500	N/A	N/A	4000
HBL3W50	25kA	10kA	150/300	700	800	N/A	1200
HBL3W120	25kA	10kA	150/300	700	800	N/A	1200

Product Specifications

Max. Surge Current per Phase:	**100kA**	**36kA / phase**	**40kA / phase**	**50kA and 120kA**
Max. Operating Temperature:	-40°F to 140°F (-40°C to 60°C)	-40°F to +160°F (-40°C to +70°C)	-40°F to +160°F (-40°C to +70°C)	-40°F to +160°F (-40°C to +70°C)
Diagnostics:	Green Status LED's, Audible Alarm, Dry Contacts	Green Status LED per line	Green Status LED per line	Green Status LED per line
Dimensions:	3.1"D x 9.9"W x 4.8"H	1.9"D x 2.25"W x 2.25"H	2.64"D x 3.6"W x 3.0"H	2.7"D x 3.0"W x 3.6"H
Weight:	3 lbs.	.525 lbs.	1 lbs.	1.8 lbs.
Terminal Accommodation:	#10 AWG 18.0" Wire Leads	#14 AWG Wire Leads	#12 AWG Wire Leads	#12 AWG Wire Leads
Frequency:	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz
EMI/RFI:	Up to -30dB	Up to -30dB	Up to -30dB	Up to -30dB
NEMA enclosure rating:	Type 4X	Type 4X	Type 4X	Type 4X
Listing:	cULus UL1449-3rd edition type 2 SPD, UL1283 (Wye prod. only), CSA C22.2 NO. 8-M1986	UL1449-3rd edition	UL1449-3rd edition	UL1449-3rd edition
Warranty:	10 year	2 year	2 year	10 year

Whole House and Utility Meter Surge Protection

Electrical Specifications

Catalog Number	SCCR ◊	In‡	MCOV †	Voltage Protection Rating (VPR) L-N	L-G	N-G	L-L
HBLWH80	200kA	10kA	150/270	900	1200	700	1500
HBL80MPC	10kA	10kA	150/per phase	700	N/A	N/A	N/A

◊ SCCR: Short Circuit Current Rating

† MCOV: Maximum Continuous Operating Voltage.

‡ In: Nominal discharge current

Product Specifications	HBLWH80	HBL80MPC
Max. Surge Current per Phase:	80 kA / phase	60kA
Max. Total Surge Current:	—	120kA
Max. Operating Temperature:	-40°F to +160°F (-40°C to +70°C)	-10°F to 60°F (14°C to 140°C)
Diagnostics:	Green Status LED per line	Audible Alarm
Dimensions:	3.44"D x 5.93"W x 13.18"L	3.63"H x 8.73"W
Weight:	8.8 lbs	—
Terminal Accommodation:	Terminal Block	—
EMI/RFI:	—	Up tp -20dB
Frequency:	—	60 Hz
NEMA:	NEMA 1	3R, 2 Meter Base, Non-Metallic
Listing:	UL 1449 3rd Edition	—
Warranty:	2 year	10 year
Max. Impulse Voltage (Telephone)	330V DC	—