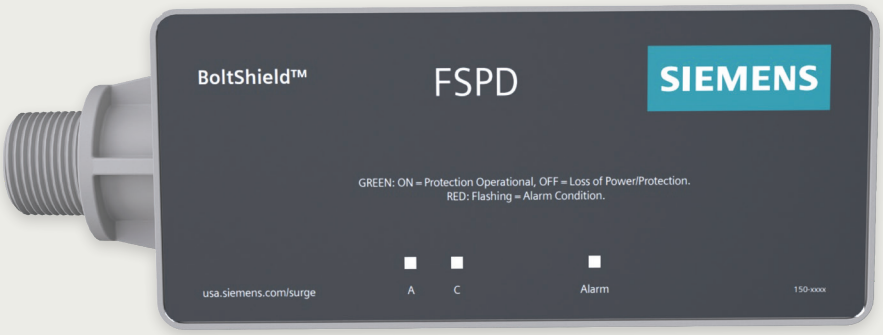
FSPD036



FSPD060, FSPD100, FSPD140

FSPD SERIES FOR EXTERNAL APPLICATIONS

BoltShield™ Surge Protection Devices

usa.siemens.com/surge

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Material ID	Surge Current Rating
FSPD036	36kA

Material ID	Surge Current Rating
FSPD060	60kA
FSPD100	100kA
FSPD140	140kA

General Specifications	
UL Type Designation	Type 1
UL 1449 I-nominal Rating	10kA
UL 1449 Short Circuit Current Rating	200kA

General Specifications	
UL Type Designation	Type 2
UL 1449 I-nominal Rating	20kA
UL 1449 Short Circuit Current Rating	200kA

Design Specifications
Custom MOV design for high energy handling in Cateogry C locations
Thermally protected MOVs
External parallel connected for mounting next to electrical gear
Reduced mode of protection (L1-N, L2-N)

Design Specifications
Custom MOV design for high energy handling in Cateogry C locations
Thermally protected MOVs
External parallel connected for mounting next to electrical gear
All modes of protection (L-N, L-G, N-G)

Diagnostic and Status Monitoring Specifications
LED Protection Status Monitoring (Single LED Standard)

Diagnostic and Status Monitoring Specifications
Phase Loss Monitoring (Standard)
Audible Alarm (Standard)
Form C Dry Contact, 240V, 2A (Standard)
3 GREEN LEDs – one for each Line disconnector
1 RED LED – flashes if fault condition:
GRM (Ground Reference Monitoring), N-G voltage > 20V detected.

Enclosure
Polycarbonate 4.25” x 2.41” x 2.75”
Lid ultrasonically sealed
NEMA 4X
1/2 inch NPT Side Mount Nipple

Enclosure
Polycarbonate 7.95” x 3.06” x 2.75”
Lid screwed and gasketed
NEMA 4X
3/4 inch NPT Side Mount Nipple

Filtering
NO

Filtering
Standard (UL 1283)

Physical Specifications	
Humidity Range	0-95% non-condensing
Operating Frequency	50-60Hz
Operating Temperature	-35°C to +85°C
Typical Connection	18” #12 AWG (pre-wired pig tails)

Physical Specifications	
Humidity Range	0-95% non-condensing
Operating Frequency	50-60Hz
Operating Temperature	-40°C to +85°C
Typical Connection	18” #12 AWG (pre-wired pig tails)

Standards Compliance and Certifications
UL 1449 5th Edition: 2021, cULus, ANSI/IEEE C62.41.1-2002, C62.41.2-2002, C62.45-2002, NEC Article 285
ISO 9001:2014 Quality Management System, ISO 17025:2007 Laboratory Certification (UL DAP Program) Compliance with RoHS, REACH & California Prop 65.
100% Quality Tested prior to shipping

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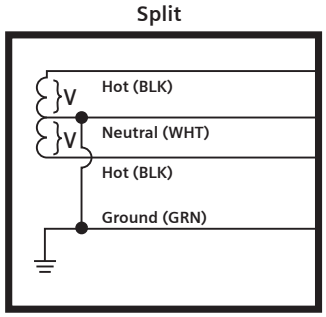
FSPD

FSPD036	Voltage Code	System Voltage	L-N	L-G	L-L	N-G	MCOV
	A	120/240V, 1Ø, 3W	700	-	1200	-	150

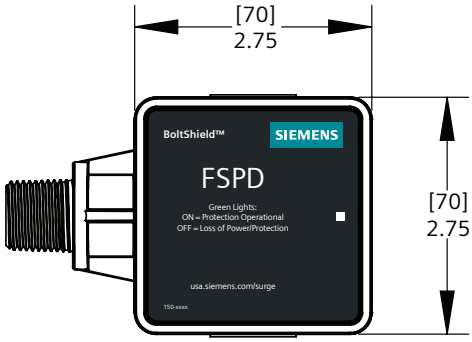
FSPD060, FSPD100, FSPD140	Voltage Code	System Voltage	L-N	L-G	L-L	N-G	MCOV
	A	120/240V, 1Ø, 3W	700	700	1200	700	150

FSPD036 Wiring Configurations

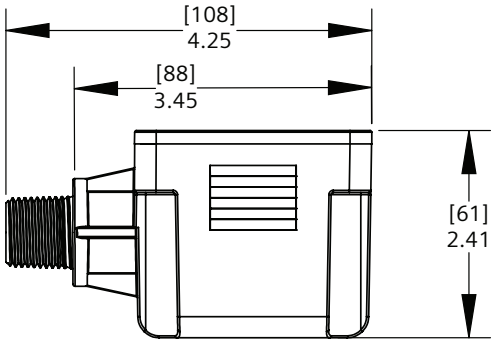


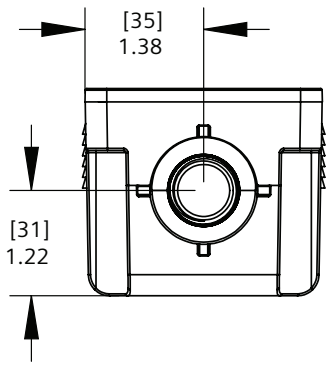
2 Hots, 1Neu, 1 Grnd

FSPD036 Product Diagram [in millimeters] and inches



Size and Mechanical Specifications	
Dimensions	4.25" x 2.41" x 2.75"
Weight	0.46 lbs.
Enclosure Type	Polycarbonate NEMA 4X
Installation Type	Indoor/Outdoor
Mounting Method	Flush/Flange/Through-hole





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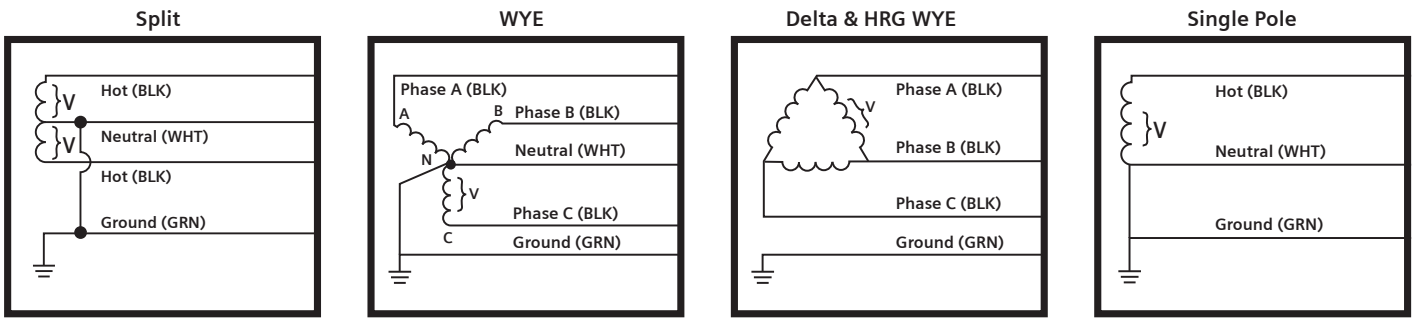
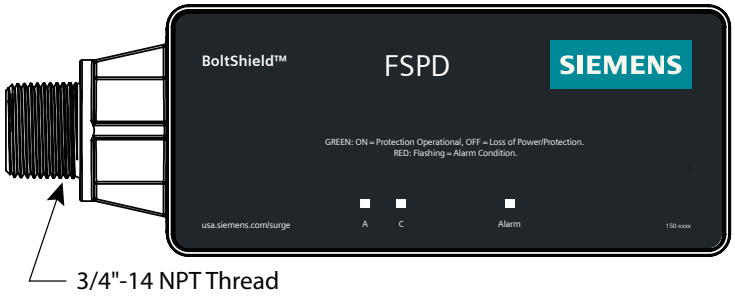
FSPD060, FSPD100, FSPD140 Wiring Configurations

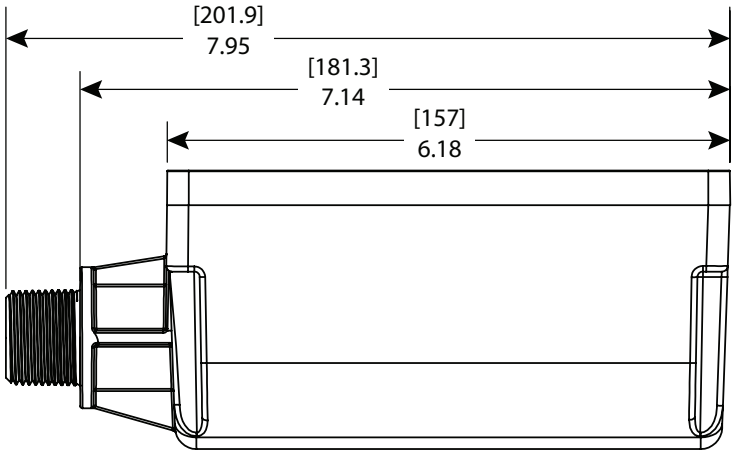


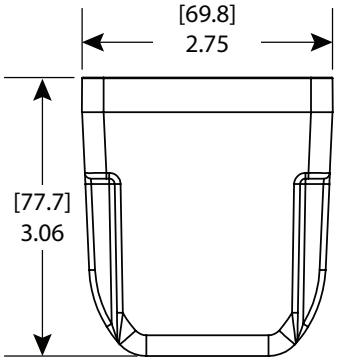
2 Hots, 1Neu, 1 Grnd | 3 Hots, 1 Neu, 1 Grnd | 3 Hots, 1 Grnd | 1 Hot, 1 Neu, 1 Grnd

FSPD060, FSPD100, FSPD140 Product Diagram [in millimeters] and inches



Size and Mechanical Specifications	
Dimensions	7.95” x 3.06” x 2.75”
Weight	1.38 lbs.
Enclosure Type	Polycarbonate NEMA 4X
Installation Type	Indoor/Outdoor
Mounting Method	Flush/Flange/Through-hole





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