

BoltShield™ Surge Protective Devices

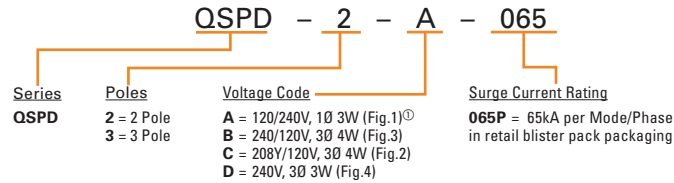
QSPD – Residential Surge Protection for Load Centers

Catalog Logic

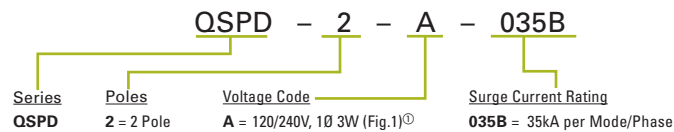
QSPD series for load centers

Ordering Information

QSPD catalog number logic



QSPD-Base catalog number logic



Product specifications

General specifications	QSPD	QSPD-Base
Maximum surge current rating range	65kA per phase	35kA per phase
UL Type designation	SPD Type 1 ^②	
UL 1449 I-nominal rating	20kA	
UL 1449 short circuit current rating	200kA	22kA
Repetitive impulse	5,000 hits	
Response time	<1 ns	

Diagnostic monitoring specifications	QSPD	QSPD-Base
Green/red visual mechanical flag failure indicators	✓	✓
Flashing dual color LED (green/red) status indicator	✓	—
Audible alarm with silence switch/button	✓	—
Design specifications	QSPD	QSPD-Base
Monolithic distribution grade MOV	✓	✓
Integrated optimized thermal protection	✓	✓
Fits in footprint of Siemens QP breaker	✓	✓
Modes of protection (L-N or L-G, L-L)	✓	✓

QSPD Catalog Numbers and UL 1449 performance data

Catalog numbers	System voltage	L-N (L-G)	L-L	I _n	SCCR	MCOV	Siemens breaker form factor
QSPD							
QSPD2A065P ^③	120/240V, 1Ø, 3W ^①	600V	1000	20kA	200kA	150V	2-P, QP
QSPD3B065	240/120V, 3Ø, 4W	600V/900V	1200	20kA	200kA	150V	3-P, QP
QSPD3C065	208Y/120V, 3Ø, 4W	600V	1000	20kA	200kA	150V	3-P, QP
QSPD3D065	240V, 3Ø, 3W	900V	1500	20kA	200kA	280V	3-P, QP
QSPD-Base							
QSPD2A035B	120/240V, 1Ø, 3W ^①	700V	1200	20kA	22kA	150V	2-P, QP

Benefits of installing multiple QSPDs

Adding multiple QSPDs in a single load center can increase the modes of protection and the surge capacity.

See the Boltshield brochure for more details and review the example chart below:

No. of QSPDs or QSPD-Bases	Connection	Modes of protection	Multiple QSPD		Multiple QSPD-Base	
			Surge current capacity per mode	Surge current capacity per phase	Surge current capacity per mode	Surge current capacity per phase
1	Neutral	3	65kA	65kA	35kA	35kA
2	Neutral + Ground	6	65kA	130kA	35kA	70kA
2	Neutral	3	130kA	130kA	70kA	70kA
3	Neutral(2) + Ground(1)	6	130kA(L-N) + 65kA (L-G)	195kA	70kA(L-N) + 35kA (L-G)	105kA
3	Ground	3	195kA	195kA	105kA	105kA
4	Neutral(2) + Ground(2)	6	130kA	260kA	70kA	140kA

① Can also be used on 208Y/120V, 1Ø, 3W system.
② Type 1 SPDs suitable for use in Type 2 applications.

③ QSPD2A065P comes in retail style blister pack packaging.