

Surge Protection Product Descriptions

320 Surge Protective Device

Low Exposure Surge Protection Solutions

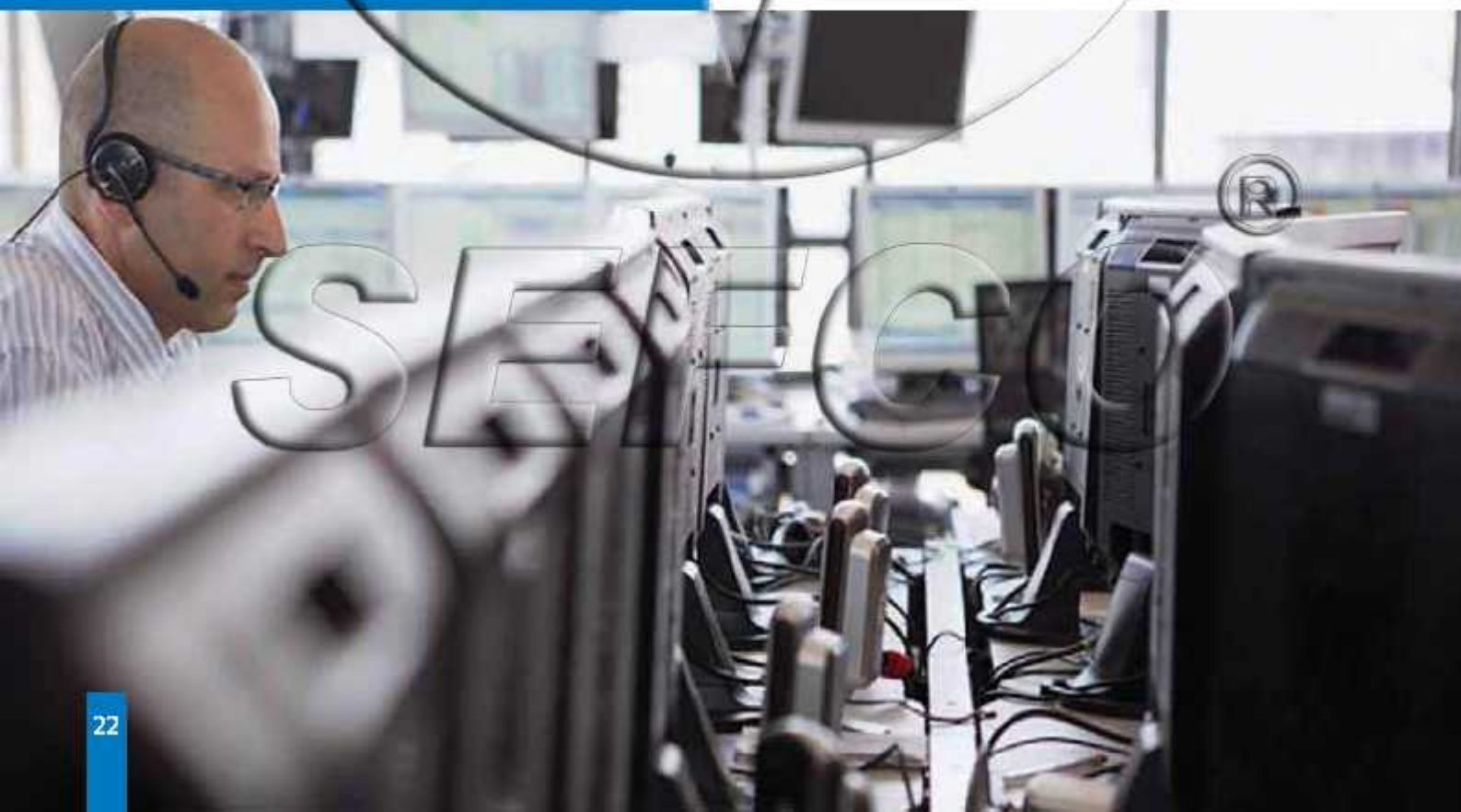
The Emerson Network Power 320 is designed for use on branch panels or equipment in low exposure locations. Available in 25kA/mode, 25kA/phase or 25 kA/mode, 50kA/phase. The 320 features a small footprint, NEMA 12 enclosure, silver link fusing with thermal protection, all voltage and phase configurations, plus a 5 year warranty.



IEEE Recommends CASCADING Surge Protection

At A Glance

- **Thermally Protected** — metal oxide varistor (MOV) technology
- **Surge Current Rating** — of 25kA/mode, 25kA/phase or 25kA/mode, 50kA/phase
- **All Modes of Protection** — or reduced mode of protection design
- **Status Monitoring** — including LEDs, and relay alarm contacts
- **Short Circuit Current Rating** 22kAIC
- **UL** — Type 2, 1n 3kA
- **NEMA 12** — rated enclosure
- **ANSI/IEEE** — C62.11, C62.41, C62.45 categories A, B tested
- **5 Year Warranty**
- **Response Time** - < 0.5 nanoseconds





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Specifications

Ordering Information

Dimensional Data

General Specifications	
Connection Type	Parallel Connected
Maximum Continuous Operating Voltage Range	120VAC 125%, all others 115%
Short Circuit Current Rating (SCCR)	22kAIC
Maximum Surge Current Rating	25kA per mode
Operating Frequency Range	47-63Hz
EMI/RFI Noise Rejection	40dB Max
UL 1449 Location Type	Type 2
UL 1449 Nominal Discharge Current (In)	3kA
Connection Type	#12 Wire Leads, 18" Long
Status Indication	Green LED, Relay Alarm Contacts
Standard Enclosure	NEMA Type 12, 94V-0
Certifications	ANSI/UL 1449 Third Edition Type 2; cUL
Warranty	5 Year Replacement

Ordering Information			
Model Number	Source Configuration	Surge Rating	Modes of Protection
320SA02AWRC25	"SA" = 120/240VAC, 120/208VAC, Single Split Phase, 3W+G	25kA Mode 50kA Phase	L-L, L-N, L-G, N-G All Possible Modes
320YB02AWRC25	"YB" = 220/380VAC, 230/400VAC, 240/415VAC, 3 Phase WYE, 4W+G		L-L, L-N, L-G, N-G All Possible Modes
320YC02AWRC25	"YC" = 277/480VAC, 254/440VAC, 3 Phase WYE, 4W-G		L-L, L-N, L-G, N-G All Possible Modes
320DB02AWRC25	"DB" = 240VAC, 3 Phase Delta, 3W-G		L-L, L-G All Possible Modes
320DF02AWRC25	"DF" = 480VAC, 3 Phase Delta, 3W+G		L-L, L-G All Possible Modes
320SA02BWRC25	"SA" = 120/240VAC, 120/208VAC, Single Split Phase, 3W+G	25kA Mode 25kA Phase	L-L, L-N, N-G
320YB02BWRC25	"YB" = 220/380VAC, 230/400VAC, 240/415VAC, 3 Phase WYE, 4W+G		L-L, L-N, N-G
320YC02BWRC25	"YC" = 277/480VAC, 254/440VAC, 3 Phase WYE, 4W-G		L-L, L-N, N-G
320DB02EWRC25	"DB" = 240VAC, 3 Phase Delta, 3W-G		L-L
320DF02EWRC25	"DF" = 480VAC, 3 Phase Delta, 3W+G		L-L

Consult Factory for additional source configurations, Surge Ratings, Monitoring Options, Enclosure Ratings, Etc.

ANSI/UL 1449 Third Edition, Type 1 VPR's									
Source Configuration	L-N		L-G		L-L		N-G		
	B	B,E	B	B,E	B	B,E	B	B,E	
SA, YA	700V	700V	700V	1200V	1200V	1200V	700V	700V	
YC, YB	1200V	1200V	1200V	2500V	2000V	2500V	1200V	1200V	
DB	N/A	N/A	1200V	N/A	1200V	1200V	N/A	N/A	
DF	N/A	N/A	1800V	N/A	2500V	2500V	N/A	N/A	

