

YD40K275/320/385/480QH-A4



YD40K320QH-A4
2145-2242

YD40K275/320/385/480QH-A4 is a DIN rail mounted 230 Vac SPD that offers hybrid MOV and GDT technology. These devices are tested to meet Class II requirements and typically protect 230 Vac three-phase power supplies. Application system: TT, IT, and TN power supply system Protection mode: L-N, N-PE

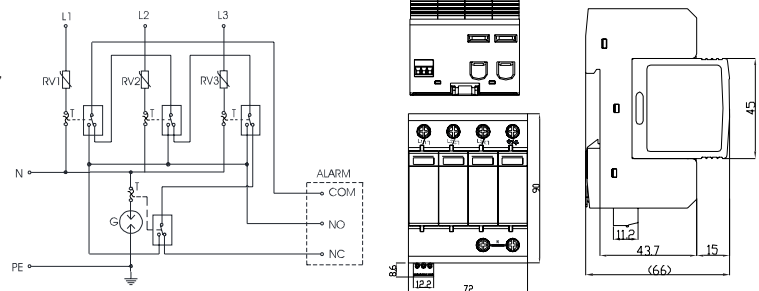


Features

- Low residual voltage
- Replaceable module
- Hybrid MOV and GDT technology
- Visual & remote status indication
- Thermal disconnecter with arc distinguisher

Standards

- IEC 61643-1 : 2005, EN 61643-11 / A11 : 2007
- YD/T1235.2-2002
- GB18802.1-2002
- RoHS Compliant
- Housing FRNC-UL94 V-0



Model	YD40K275QH-A4	YD40K320QH-A4	YD40K385QH-A4	YD40K480QH-A4
Part Number	2145-2241	2145-2242	2145-2243	2145-2244

Performance

Nominal Discharge Current (I _n)	20 kA @ 8/20 μs (L-N, N-PE)							
Maximum Discharge Current (I _{max})	Class II, Type 2, 40 kA @ 8/20 μs (L-N, N-PE)							
Nominal AC Voltage of the System (U ₀)	230 V @ 50/60 Hz							
Maximum Continuous Operating Voltage (U _c)	L1, L2, L3-N	275 V @ 50/60 Hz	320 V @ 50/60 Hz (L-N)	385 V @ 50/60 Hz (L-N)	480 V @ 50/60 Hz (L-N)			
	N-PE	255 V @ 50/60 Hz (N-PE)						
Voltage Protection Level (U _p)	1.4 kV (L1, L2, L3-N)		1.5 kV (L1, L2, L3-N)		1.8 kV (L1, L2, L3-N)		2.2 kV (L1, L2, L3-N)	
	1.5 kV (N-PE)							
Short-circuit Withstand Capability	25 k Arms							
Residual Voltage Level (U _{res}) @ 3 kA, 8/20 μs	1.0 kV (L1, L2, L3-N)		1.1 kV (L1, L2, L3-N)		1.2 kV (L1, L2, L3-N)		1.5 kV (L1, L2, L3-N)	
	500 V (N-PE)							
Response Time	≤ 25 ns (L-N); ≤ 100 ns (N-PE)							

Mechanical

Clamp Wire Range	1.5 mm ² - 25 mm ² multi-strand flexible wire / 35 mm ² multi-strand wire			
Enclosure Rating	IP 20			
Dimensions (H x W x D)	90 mm x 72 mm x 66 mm; 3.54" x 2.83" x 2.60"			
Weight (max) lb, kg	0.95 lb, 0.43 kg			
Housing Material	Reinforced PA66			

Environmental

Operating Temperature	-40 °C to +85 °C			
Relative Humidity	95 % non-condensing			