



**Three Phase (3MOV& 1GDT Modules)
Surge Protection Devices**

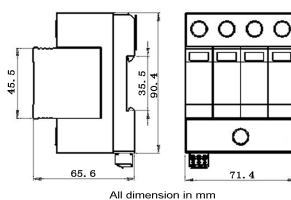
D3-30/440-3VG-R

Surge arrester for low-voltage power supply system protection against surges at the boundaries from lightning protection zone 0B-1 and higher.

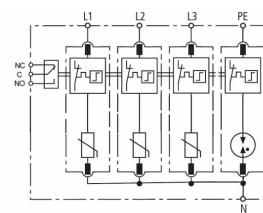
- Class II (C) arrester in accordance with IEC61643-11:2011, UL1449 3rd.
- Two part design consisting of base and protection module including plug-in module and non-pluggable module
- High energy MOV (Metal Oxide Varistor) and GDT (Gas Discharge Tube) inside.
- Reliable supervision due to disconnection device.
- Fault indication by red indication flag in window.
- Fast response.
- With remote alarm terminal optional



Basic circuit diagram



Dimension drawing



Type	D3-30/440-3VG-R	
	440	
In accordance with	IEC61643-11:2011; UL1449 3rd	
Category IEC/VDE	II/ C	
Max. continuous operating voltage (AC/DC)	L – N (AC/DC)	440/585
	N – PE U _c	350
Nominal discharge current(8/20) I _n	L–N	15KA
	N-PE	15KA
Max. discharge current(8/20) I _{max}	L-N	30KA
	N - PE	30KA
Voltage protection level	L-N@I _n	2.2KV
	L-N@3KA	1.5KV
	N–PE (1.2/50)	1.8KV
Response time	L-N	≤25 ns
	N-PE	≤100 ns
Follow current	L-N	No
	N-PE	Ifi: 100Arms @ 255Vac
Backup fuse(only required if not already provided in mains)	100A gL/gG	
Operating temperature range	- 40° C~ + 80° C	
Cross-section of connection wire	Single-strand 35mm ² ; multi-strand 25mm ²	
Mounting	35mm DIN-rail in accordance with EN 50022/DIN46277-3	
Enclosure material	thermoplastic; extinguishing degree UL94 V-0	
Degree of protection	IP20	
Installation width	4 modules, DIN 43880	
Thermal disconnecter	Internal green – normal red - failure	
Remote alarm contact	Yes	

note: subject to change without any notice, JDA pay no responsibility