

Components for building functional plates

Varplus M capacitors:

Varplus M capacitors cover a wide range of voltages (230V - 690V) and a wide range of power ratings, all from a limited number of references. Their technology relies on a self-healing metallised polypropylene film requiring no gas or liquid impregnation. The HQ (high quality) protection system built into each capacitor element guarantees operating safety. With its unique, patented design it has been used for more than a decade on several million elements.

- The HQ system provides protection against two types of faults encountered as capacitors approach the end of their services life. High current fault protection is provided by a fuse with a high breaking capacity, whereas low current fault protection is provided by the combination of an over pressure protection device with the HRC cartridge fuse
- Whatever the fault, pressure inside the capacitor element is always limited to a value far lower than the maximum admissible pressure
- In both cases, a standard HRC fuse is used to break the electrical circuit

Technical Data

- Capacitor Rated Voltage (Dielectric strength): 470V
- Capacitor tolerance: 0, +10%
- Insulation level:
 - 660V
 - Withstand 50Hz, 1 min: 6 kV
 - Impulse test withstand: 1.2/50uS: 25kV
- Maximum permissible current: 1.5 In (400V)
- Maximum permissible voltage (per IEC 831): 517V (470V dielectric, other ratings available)
- Internal discharge resistors: 50V 1 min per IEC 831
- Temperature class: -25 / D
- Degree of protection: IP00
- Losses: $\leq 0.5W/kVAR$
- Standards: IEC 831 1/2, NF C 54-104, VDE 0560, Teil 41, CSA 22-2 No190, UL 810

Installation

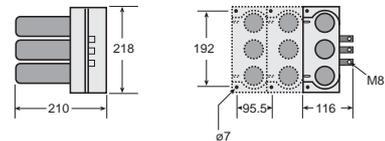
- Mount in vertical plane as shown; never flat on its base

Varplus capacitors - non-enclosed 470V dielectric		
Rating (kVAr)	Consists of	Reference
4	(1) M1	52424
5	(1) M1	52425
7.5	(1) M1	52426
11	(1) M1	52427
12.5	(1) M1	52428
45	(1) M4	52429
50	(1) M4	52430

Note: kVAr rating at 415V 50Hz, other voltages available.

Varplus M1

Varplus M1 capacitors can be configured as from one to four blocks connected together.



Varplus M4

Varplus M4 capacitors can accept up to three additional M1 blocks to form a single block of capacitance.

