

MMP C & CN Series



Compact Class C protectors

$I_{max} = 40kA \ 8/20\mu s$

Application

Use on single or three phase mains supplies and power distribution systems for protection against indirect lightning strikes.

Installation

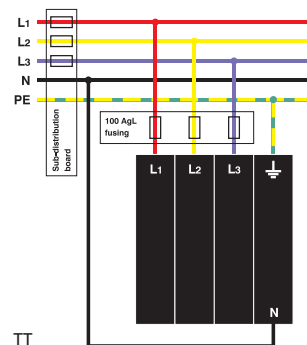
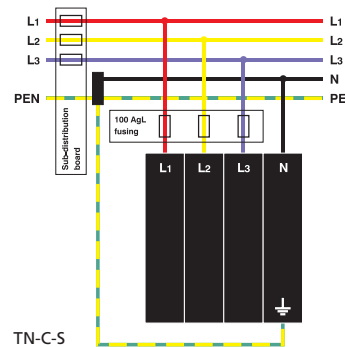
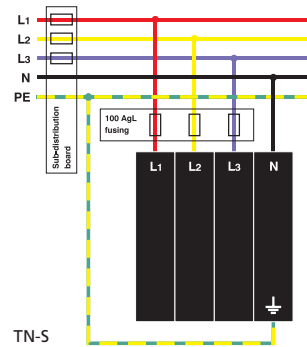
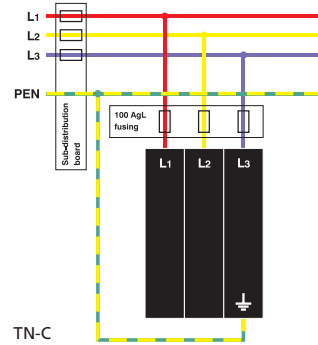
Should be installed in a sub-distribution panel or as close as possible to the equipment to be protected. The protector's base is suitable for attachment to a 35mm top hat DIN rail.

Features and benefits

- ✓ The varistor based design eliminates the high follow current (I_f) associated with spark gap based surge protection
- ✓ The C Series utilise replaceable protection modules
- ✓ A red indicator shows when the protector requires replacement
- ✓ This indication can also trigger a remote signal contact to interface with a building management system. Please use '/S' after the part code to order the remote indication (change-over) contact version

Wiring diagrams

The diagrams below illustrate how to wire the appropriate MMP protector according to your chosen electrical system.



Electrical specification	MMP *75	MMP *150	MMP *275	MMP *385	MMP *440
Nominal voltage	65 - 85V _{RMS}	110 - 130V _{RMS}	220 - 240V _{RMS}	220 - 240V _{RMS}	220 - 240V _{RMS}
Maximum continuous operating voltage	75Vac, 100Vdc	150Vac, 200Vdc	275Vac, 350Vdc	385Vac, 505Vdc	440Vac, 580Vdc
Back up fuse (If mains supply >100A)	100AgL	100AgL	100AgL	100AgL	100AgL
Short circuit capability	25kA/50Hz	25kA/50Hz	25kA/50Hz	25kA/50Hz	25kA/50Hz
Signal contact ratings	250V _{RMS} /0.5A	250V _{RMS} /0.5A	250V _{RMS} /0.5A	250V _{RMS} /0.5A	250V _{RMS} /0.5A

* Replace with 'C' or 'CN' for correct part code e.g. MMP C275/2 for 275V pluggable single-phase (L-N, N-PE) protector

Transient specification	MMP *75	MMP *150	MMP *275	MMP *385	MMP *440
Arrester classification E DIN VDE 0675 IEC ¹	C II	C II	C II	C II	C II
Let-through voltage (Up) - 5kA (8/20 μ s) - at In (8/20 μ s)	<350V <450kV	<550V <750kV	<0.9kV <1.3kV	<1.4kV <1.7kV	<1.7kA <2.0kA
Nominal discharge current - In, (8/20 μ s)	15kA	15kA	20kA	15kA	15kA
Maximum discharge current - I _{max} , (8/20 μ s)	40kA	40kA	40kA	40kA	40kA

* Replace with 'C' or 'CN' for correct part code e.g. MMP C275/2 for 275V pluggable single-phase (L-N, N-PE) protector

¹ Tested to IEC-61643-1 (2002)

Mechanical specification

MMP *75, MMP *150, MMP *275, MMP *385, MMP *440

Temperature range	-40 to +80°C
Connection type - for power - for signal (remote contact)	35mm ² solid conductor, 25mm ² stranded conductor 1.5mm ² conductor (/S option)
Mounting Indoor	35mm top hat DIN rail
Degree of protection	IP20
Case material	Thermoplastic, UL 94 V-0
Dimensions - for /1 versions - for /2 versions - for /3 versions - for /4 versions	to DIN 43880 90mm x 68mm x 17.5mm (1TE) 90mm x 68mm x 36mm (2TE) 90mm x 68mm x 54mm (3TE) 90mm x 68mm x 72mm (4TE) Units with the remote signal contact terminals (removable) are 100mm high.
Enclosure dimensions - for up to /4 versions	105mm x 170mm x 98mm (MMP ENC4)



Thank you for reading this data sheet.

For pricing or for further information, please contact us at our UK Office, using the details below.



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Please note - Product designs and specifications are subject to change without notice. The user is responsible for determining the suitability of this product.