

UK Technical Data o8

DIMEF*** Insulated Enclosures

Voltage rating < 400 V AC



Function

For OEM assembly of low voltage switch gear distribution boards in accordance with The Low Voltage Electrical Equipment (Safety) Regulations 1989. Equipment for installation on sites covered by BS7671; refer to BSEN61439 for design requirements.

This product and data is for use by suitably qualified and experienced engineers who are responsibility for the design, installation, test, or certification of power distribution equipment, for example within buildings as per BSEN61439-2. Additional testing as detailed with in the Standards, will be required to verify the design performance, prior to sale, installation and use. The OEM is responsible for issuing the required Declaration of Conformity, for the completed equipment prior to placing the equipment on the market.

Insulated enclosures are not suitable for use within domestic premises - refer to BS7671 -421.1.201

Features

IP55 enclosure for indoor installation, supplied with din rail, neutral and earth rail.

Mounting

Surface mounting in the vertical plane, cable entree knockouts top, bottom and side.

Applications

Single phase or 3 phase distribution circuits , 400 V AC

Technical Data

Technical Data	DME**
Standards	EN62208
N and PE Terminal Rails I ² t	480 kA ² s
Ambient conditions (indoor) RH	< 50% @ 40°C
Temperate range	-5°C to + 40°C
Maximum average over 24 H	35°C
IP Rating for indoor use	IP 55 / IK07
Rated voltage <i>Un</i> (AC)	400V
Rated frequency <i>fn</i>	50 /60 Hz
Rated insulation voltage <i>Ui</i>	400 V
Rated impulse voltage <i>Uimp</i>	4 kV
Overvoltage category	III
Enclosure material	ASA / 650 °C GWT
Enclosure flap material	PC

Technical Data		DME**								
Ambient temperature range	-5°C to +40°C (Average ambient in 24H 35°C)									
N and E rail capacity (4 - 8 mod)	1.5 < 16 mm ²									
N and E rail capacity (12 - 54 mod)	1.5 < 25 mm ²									
Size and Power dissipation	Modular ways	Dimensions (mm)			Number of rows	Maximum power dissipation (PV) in Watts*				
Reference:		H	W	D		10K	15K	20K	25K	30K
DMEF - 04	6	194	123	105	1	6	10	14	18	22
DMEF - 08	10	194	194	105	1	6	9	13	17	21
DMEF - 12M	12	259	274	138	1	8	12	16	20	23
DMEF - 18	18	259	372	138	1	9	13	17	23	28
DMEF - 2/ 24	24	384	274	138	2	7	11	15	19	22
DMEF - 2/ 36	36	409	372	138	2	10	14	19	24	30
DMEF - 3/ 54	54	560	372	138	3	11	15	20	26	33
*Maximum power dissipation (PV)	To maintain the design temperature rise (K) indicated in the table for a wall mounted DIMEF enclosure.									
Enclosure temperature rise (K)	K = (Maximum design operating temperature for components and cables - the Maximum ambient temperature)									
Note: For further information on verification of temperature rise refer to BSEN 61439 -Part 1										

