



UK Technical Data 07

DME** Modular Enclosures

Single phase 230V 50Hz

Function

For OEM assembly of Type A distribution boards in accordance with the guidance given in BSEN61439-3. To avoid the need to retest the assembly in accordance BSEN 61439-3 Annex ZB (Icc 16 kA) you must use Doepke Pre-formed cable links, busbars, incoming and outgoing devices in accordance with the Doepke installation instructions: See Doepke Inst. DE DME July wk 29 2018 V3- supplied with the enclosure or available separately on request.

The PE circuit / conductor and connections provided in the DME enclosures (references listed on page 2) have been tested in accordance with BSEN61439-3 (manufactured units) and original test sample verified under short circuit conditions. Changing, moving or removing the earth connection invalidates this testing.

Metal enclosure suitable for domestic and similar installations - 421.1.201, mounted inside the dwelling or premises.

Features

Compact metal IP2XC IK05 enclosure for indoor installation, supplied with busbar, single neutral rail and earth rail. Suitable for non-split load applications e.g. Main switch plus RCBOs or 1 RCCB incomer plus MCBs. For loose devices, please refer to the Doepke website for further details.

Mounting

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

Applications

Single phase distribution circuits with fuse rating < 100A, for lighting, sockets and fixed appliances associated with domestic installations.

Accessories

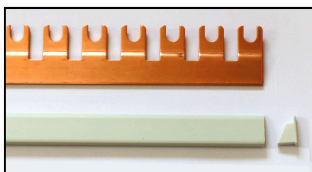
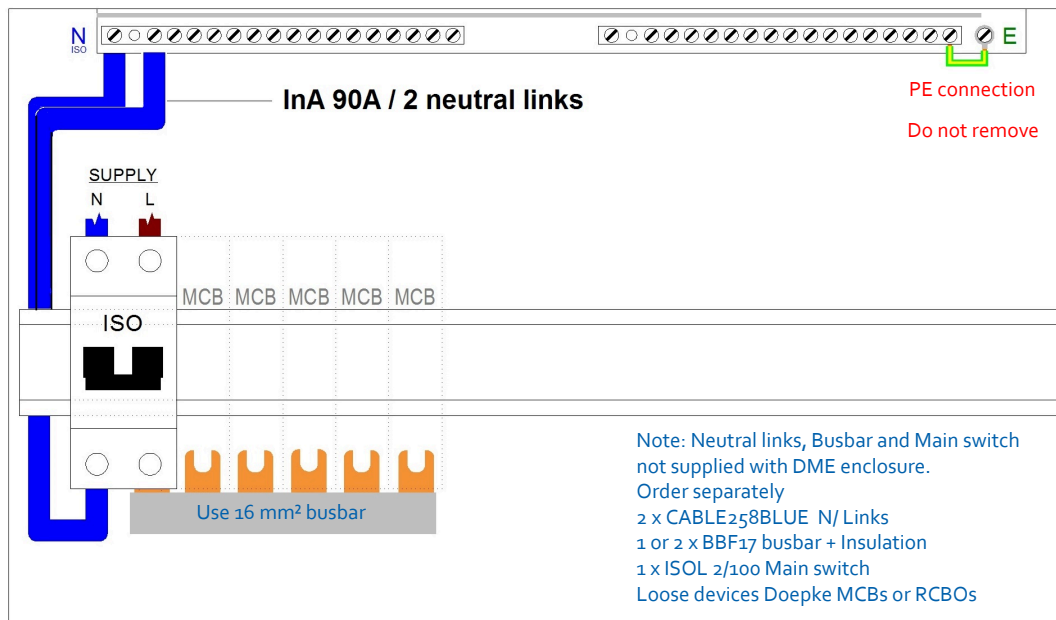
Main switch, RCBO, RCCB incomer, MCBs loose devices, please refer to the Doepke website for further details.

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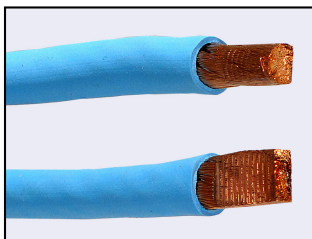
Technical Data	DME**
Design requirements/Standards	BSEN61439-3
Enclosure / Protective circuit	BSEN61439-3
Icp (61439-Annex ZB) based on the use of Doepke pre-formed cable links, busbars, incoming and outgoing devices.	16 kA
Maximum supply fuse BS88	100 A
Rated voltage U_n (AC)	230 V
Rated frequency f_n	50 Hz
Rated insulation voltage U_i	300 V
Rated impulse voltage U_{imp}	4 kV
Overvoltage category	III
IP Rating for internal installation	IP 2XC / IK05
Enclosure material	Powder coated mild steel CR4

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Ambient temperature range	-5°C to +40°C (Average ambient in 24H 35°C)						
Incoming PE Terminal	< 16 mm ²						
Incoming mains	< 35 mm ²						
Size and ratings	Usable	Dimensions		Assembly rating	Outgoing unit	Rated diversity factors*	
Reference:	ways	H	W	D	InA@35°C	rating Inc@35°C	N° of Circuits RDF
DME 06	6	204	165	105	90A / ISOL 2-100	90A / ISOL 2-100	2 to 3 0.8
DME 10	10	204	254	105	90A / ISOL 2-100	90A / ISOL 2-100	4 to 5 0.7
DME 14	14	204	307	105	90A / ISOL 2-100	90A / ISOL 2-100	6 to 9 0.6
DME 18	18	204	396	105	90A / ISOL 2-100	90A / ISOL 2-100	10 < 0.5
DME 24	24	204	510	105	90A / ISOL 2-100	90A / ISOL 2-100	
DME 28	28	400	307	105	90A / ISOL 2-100	90A / ISOL 2-100	
InA and Inc based on the following:	Using 2 x 16 mm ² Doepke preformed cable links: CABLE258BLUE / DME 06-24 & CABLE340BLUE DME 28						
Pre-cabled PE connection	The position of the pre-cabled PE conductor must not be moved or replaced with another conductor.						
*Rated diversity factors (RDF)	BSEN61439-3: Total continuous outgoing load must not exceed the values given for InA or Inc at 35°C						

Example Wiring layout DME 06 - 24 based on Doepke components for BSEN 61439-3 test results-see above



Busbar and insulation cut to required length



Blue cable link (preformed) 16mm² :
1 round end for neutral rail connection

1 flat end for product connection