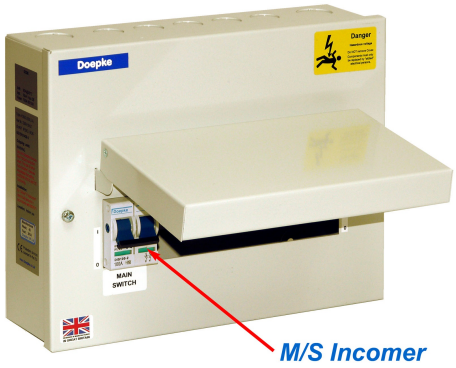

UK Technical Data 06

*DCM** Main Switch Incomer*

Consumer units 230v 50Hz

Function

For 18th Edition installation using RCBOs to provide residual current and overcurrent protection for individual circuits. Tested to meet the requirements of 536.4.201 - Icc 16 kA / 230v as per BSEN 61439-3 Annex ZB. 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, 2 pole main switch incomer, interconnections, busbar, neutral and earth rails. The incomer is positioned on the left of the enclosure - with RCBOs positioned on the right of the main switch.

RCBOs available inType AC or A - 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. Tested to conform to BSEN 61439-3 Annex ZB conditional short circuit rating 16 kA at 230V when used with Doepke outgoing devices (RCBOs).

*If the supply fuse is expected to provide overload protection for the associated components - see Reg. 536.4.202 and 433.1.1 (iii).

Notes

Where SPDs are required please refer to 534.4.8 and the SPD Manufacture's* installation instructions. Installing Type 1 SPDs in a consumer unit is difficult - see cabling requirements covered in 534.4.8 & 10 . SPDs are passive devices and do not add to the heat rise in the enclosure i.e. they only take up space that has been assigned / tested with Doepke components in situ. Leave 0.5 module space between the SPD and adjacent components to prevent direct heat transfer to the SPD.
*Doepke recommend the use of good quality SPD devises such as DEHN.

Accessories

MIB or MIC single module RCBOs: please refer to the Doepke website for further details.

Technical Data

Technical Data	DCM**
Main Switch - DHS2	EN60947-3-22
RCBO - MIC/MIB Type AC or A	EN61009-1
Enclosure / Protective circuit	BSEN61439-3
Design requirements/Standards	BSEN61439-3
Icp (61439-Annex ZB)	16 kA
Maximum supply fuse BS88 (Icp)	100 A
Rated voltage *Un* (AC)	230 V
Rated frequency *fn*	50 Hz
Rated insulation voltage *Ui*	300 V
Rated impulse voltage *Uimp*	4 kV
Overvoltage category	III
IP Rating for internal installation	IP 2XC / IK05
Enclosure material	Powder coated mild steel CR4

Technical Data	DCM**						
Ambient temperature range	-5°C to +40°C (Average ambient in 24H 35°C)						
Incoming PE Terminal	< 16 mm²						
Incoming mains	< 35 mm²						
Size and ratings	Usable	Dimensions			Assembly rating	Outgoing unit	Rated diversity factors*	
Reference:	ways	H	W	D	InA@35°C	rating Inc@35°C	Circuits	RDF factor
DCM 04	4	204	165	105	90A	90A	2 to 3	0.8
DCM 08	8	204	254	105	90A	90A	4 to 5	0.7
DCM 12	12	204	307	105	90A	90A	6 to 9	0.6
DCM 16	16	204	396	105	90A	90A	10 <	0.5
DCM 22	22	204	510	105	90A	90A		
DCM 26	26	400	307	105	90A	90A		
*Rated diversity factors (RDF)	Total continuous outgoing load must not exceed the values given for InA or Inc at 35°C							
Pre-Cabled Connections (see below)	The position, type and number of pre-cabled (N & E) must not be moved or replaced with other conductors							

Wiring layout DCM04 - 22