



UK Technical Data 05

DCMR-**/** RCD Incomer

Consumer units 230v 50Hz - Type A 30 mA

Function

For updating existing 16th Edition installation to dual RCD for 18th Edition installation, 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 30 mA RCCB Type A incomer, interconnections, busbar, neutral and earth rails. The RCCB incomer is positioned on the left of the enclosure - with MCBs positioned on the right of the RCCB.

These consumer units can be manufactured with Type F or Type B 2 pole RCCBs if required for specific loads - see 531.3.3

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 (MCBs) - please refer to the installation instructions for further details.

*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 Manufacturer'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 devices such as DEHN.

Accessories

DLS-6 MCBs: please refer to the Doepke web site for further details.

Technical Data

Technical Data	DCMR**/**
RCCB - DFS ₂ Type A or F or B	EN61008-1 or EN62423
MCB - DLS6 B or C curve	EN60898
Enclosure / Protective circuit	BSEN61439-3
Design requirements/Standards	BSEN61439-3
I _{cp} (61439-Annex ZB)	16 kA
Maximum supply fuse BS88 (I _{cp})	100 A
Rated voltage <i>U_n</i> (AC)	230 V
Rated frequency <i>f_n</i>	50 Hz
Rated insulation voltage <i>U_i</i>	300 V
Rated impulse voltage <i>U_{imp}</i>	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	Circuits RDF factor
DCMR 04 /063	4	204	165	105	58A	58A	2 to 3 0.8
DCMR 08 /063	8	204	254	105	58A	58A	4 to 5 0.7
DCMR 04 /100	4	204	165	105	86A	86A	6 to 9 0.6
DCMR 08 /100	8	204	254	105	86A	86A	10 < 0.5
DCMR 12 /100	12	204	307	105	86A	86A	
DCMR 16 /100	16	204	396	105	86A	86A	
DCMR 22 /100	22	204	510	105	86A	86A	
DCMR 26 /100	26	400	307	105	86A	86A	
*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 DCMR 04 - 22

