

## UK Technical Data 04

### DCM-\*\*SL/063 Split load single RCD

Consumer units 230v 50Hz - Type A 30 mA

#### Function

For updating existing 16th Edition installation or combine with RCBOs 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 main switch, split load single RCCB Type A, interconnections, busbar, neutral and earth rails. The RCCB can be positioned to accommodate different configurations of MCBs and RCBOs mounted next to the main switch.

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 entry 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 and RCBOs) - 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

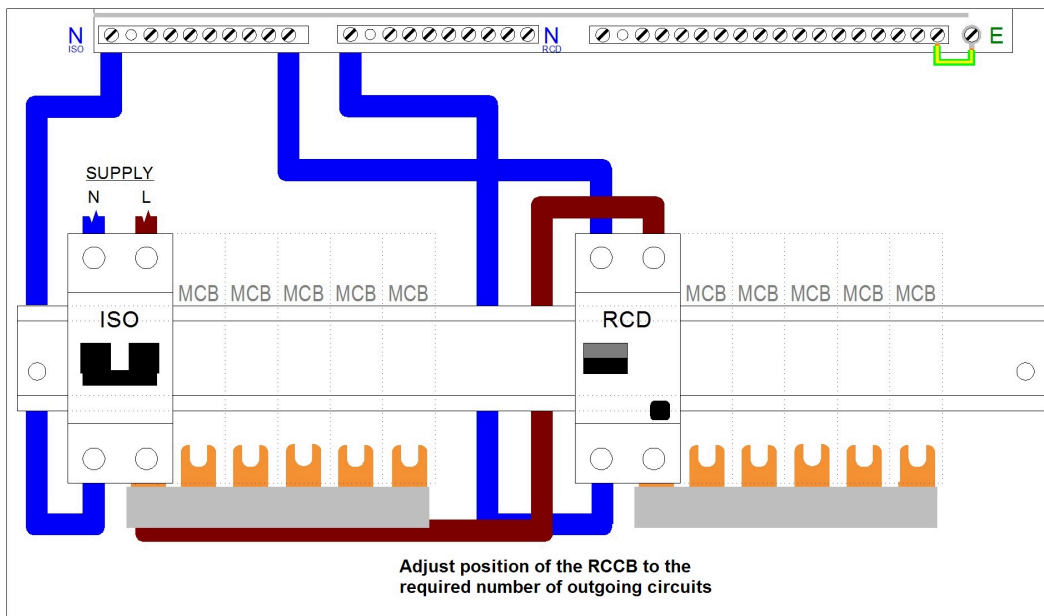
DLS-6 MCBs, MIC / MIB RCBOs: please refer to the Doepke web site for further details.

#### Technical Data

Technical Data	DCM**SL/063
Main Switch - DHS2	EN60947-3-22
RCCB - DFS2 Type A or F or B	EN61008-1 or EN62423
MCB - DLS6 B or C curve	EN60898
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 $U_n$ (AC)	230 V
Rated frequency $f_n$	50 Hz
Rated insulation voltage $U_i$	300 V
Rated impulse voltage $U_{imp}$	4 kV
Overtoltage category	III

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IP Rating for internal installation	IP 2XC / IK05							
Enclosure material	Powder coated mild steel CR4							
Ambient temperature range	-5°C to +40°C ( Average ambient in 24H 35°C )							
Incoming PE Terminal	< 16 mm <sup>2</sup>							
Incoming mains	< 35 mm <sup>2</sup>							
Size and ratings	Usable ways	Dimensions			Assembly rating	Outgoing unit rating	Rated diversity factors*	
Reference:		H	W	D	InA@35°C	InC@35°C	Circuits	RDF factor
DCM 06 SL /063	6	204	254	105	90A	58A	2 to 3	0.8
DCM 10 SL /063	10	204	307	105	90A	58A	4 to 5	0.7
DCM 14 SL /063	14	204	396	105	90A	58A	6 to 9	0.6
							10 <	0.5
*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, L & E) must not be moved or replaced with other conductors							

Wiring layout DCM 06 - 14 Split load



Cut busbar to required size

