

# E-MM084/SPD1

## 5 Ways Metal Consumer Unit with T2 SPD and 100A Main Switch

- 8 module metal enclosure
- 5 ways available
- 100A main switch
- T2 20-40kA SPD
- Include tail clamp for incoming live and neutral tails



## General information

|                             |                 |
|-----------------------------|-----------------|
| Mounting method             | Surface mounted |
| Number of modules           | 8               |
| Number of available modules | 5               |
| Number of rows              | 1               |
| Barcode (EAN-13)            | 5060690135388   |

## Technical information

|                                                      |                  |
|------------------------------------------------------|------------------|
| Standard                                             | BS EN 61439-3    |
| Number of phases                                     | Single phase     |
| Rated current ( $I_{nA}$ )                           | [ A ] 100        |
| Rated operational voltage ( $U_e$ )                  | [ V ] 230        |
| Type of current                                      | AC               |
| Frequency ( $f$ )                                    | [ Hz ] 50        |
| Rated insulation voltage ( $U_i$ )                   | [ V ] 500        |
| Rated impulse withstand voltage ( $U_{imp}$ )        | [ kV ] 4         |
| Rated short-time withstand current ( $I_{cw}$ )      | [ kA ] 10        |
| Rated conditional short-circuit current ( $I_{cc}$ ) | [ kA ] 16        |
| Overvoltage category                                 | III              |
| Pollution degree                                     | 2                |
| Location type                                        | Indoor           |
| Altitude                                             | [ Meter ] < 2000 |
| Ambient air temperature for operation                |                  |
| • Minimum                                            | [ °C ] -5        |
| • Maximum                                            | [ °C ] +40       |
| Ambient air temperature for storage                  |                  |
| • Minimum                                            | [ °C ] -40       |
| • Maximum                                            | [ °C ] +75       |
| Degree of protection (IP)                            | IP2XC            |
| Degree of protection (IK)                            | IK07             |

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|                                                        |                                   |
|--------------------------------------------------------|-----------------------------------|
| Enclosure material                                     | Steel                             |
| Surface finish                                         | Powder paint                      |
| Colour                                                 | Fresh white                       |
| RAL colour number                                      | 9016                              |
| <b>Information for incomer device</b>                  |                                   |
| Type                                                   | Switch disconnecter               |
| Standard                                               | BS EN 60947-3                     |
| Product code                                           | E-DM24                            |
| Rated current ( $I_n$ )                                | [ A ] 100                         |
| Number of poles                                        | 1P+N                              |
| Neutral position                                       | Neutral right                     |
| <b>Information for surge protection</b>                |                                   |
| Surge protection                                       | Yes                               |
| Standard                                               | BS EN 61643-11                    |
| Product code                                           | DSCY251N2R                        |
| Test class                                             | II                                |
| Network configuration                                  | 1P+N (1+1)                        |
| Maximum continuous operating voltage ( $U_c$ )         | [ V ] 275                         |
| Norminal discharge current (8/20 $\mu$ s) ( $I_n$ )    | [ kA ] 20                         |
| Maximum discharge current (8/20 $\mu$ s) ( $I_{max}$ ) | [ kA ] 40                         |
| Voltage protection level ( $U_p$ )                     | [ kV ] < 1.3 (L-N) , < 1.5 (N-PE) |
| Response time                                          | [ ns ] < 25                       |
| Maximum backup fuse                                    | [ A ] 125 gL                      |
| Integrated with remote indication contact              | Yes                               |

## Connection information

|              | Connection capacity | Torque  |
|--------------|---------------------|---------|
|              | [ mm <sup>2</sup> ] | [ N.m ] |
| Terminal bar | 16                  | 1.7     |
| Main switch  | 50                  | 2.5     |
| SPD          | 16                  | 2       |
| Cover screws | /                   | 2       |

## Package information

|                                    |         |        |
|------------------------------------|---------|--------|
| <b>Package level 1</b>             |         |        |
| Type                               |         | Box    |
| Number of units in package level 1 | [ pcs ] | 1      |
| Weight                             | [ kg ]  | 2.62   |
| Length                             | [ cm ]  | 20.44  |
| Width                              | [ cm ]  | 26.97  |
| Height                             | [ cm ]  | 12.83  |
| <b>Package level 2</b>             |         |        |
| Type                               |         | Pallet |
| Number of units in package level 2 | [ pcs ] | 160    |

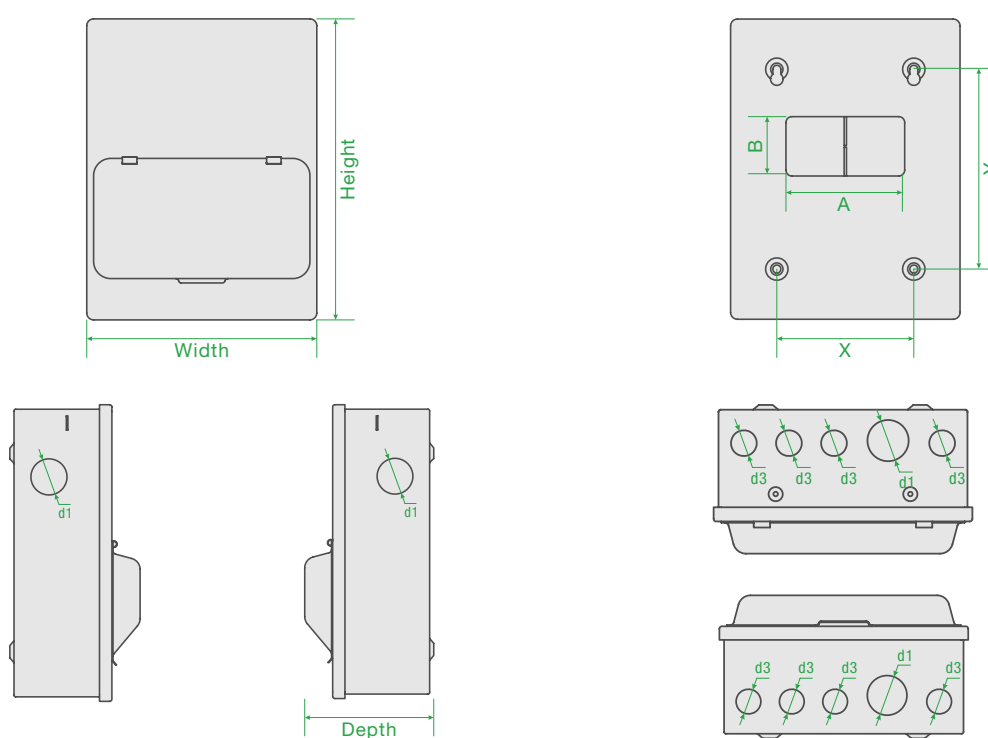
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|        |        |       |
|--------|--------|-------|
| Weight | [ kg ] | 434.2 |
| Length | [ cm ] | 120   |
| Width  | [ cm ] | 100   |
| Height | [ cm ] | 125   |

## Knock-outs & dimensions

|                       |   | Top face | Bottom face | Left side | Right side | Rear face |
|-----------------------|---|----------|-------------|-----------|------------|-----------|
| d1 = 32 mm            | ○ | 1        | 1           | 1         | 1          | -         |
| d2 = 25 mm            | ○ | -        | -           | -         | -          | -         |
| d3 = 20 mm            | ○ | 4        | 4           | -         | -          | -         |
| A = 40 mm, B = 30 mm  | □ | -        | -           | -         | -          | -         |
| A = 104 mm, B = 52 mm | □ | -        | -           | -         | -          | 1         |

| Width<br>[ mm ] | Height<br>[ mm ] | Depth<br>[ mm ] | X hole<br>[ mm ] | Y hole<br>[ mm ] | Weight<br>[ kg ] |
|-----------------|------------------|-----------------|------------------|------------------|------------------|
| 202             | 264              | 115.3           | 120              | 175              | 2.4              |



## Certificate

**UK  
CA**
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**CB**

The information in this document is subject to change without notice.

v3.0

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