

## Double Stacked 25 ways (11+14) Metal Consumer Unit with 100A Main Switch & T2 SPD & 2 x 80A 30mA RCDs

- 32 module double stacked metal enclosure
- 11+14 ways available
- 100A main switch
- 2 x 80A 30mA RCDs
- T2 20-40kA 1P+N SPD
- Include tail clamp for incoming live and neutral tails



### General information

Mounting method	Surface mounted
Number of modules	32
Number of available modules	25
Number of rows	2
Barcode (EAN-13)	5060690136804

### 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
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 residual current protection</b>	
Type	Residual current circuit breaker (RCCB)
Standard	BS EN 61008-1
<b>RCCB 1</b>	
Product code	E-DR2124
Rated current $(I_n)$ [ A ]	80
Number of poles	2P
Neutral position	Neutral right
Wave form of residual current	Type A
Rated residual operating current $(I_{\Delta n})$ [ mA ]	30
Residual current protection time delay	General type without time-delay
Rated conditional short-circuit current $(I_{nc})$ [ kA ]	6
Rated conditional residual short-circuit current $(I_{\Delta c})$ [ kA ]	6
<b>RCCB 2</b>	
Product code	E-DR2124
Rated current $(I_n)$ [ A ]	80
Number of poles	2P
Neutral position	Neutral right
Wave form of residual current	Type A
Rated residual operating current $(I_{\Delta n})$ [ mA ]	30
Residual current protection time delay	General type without time-delay
Rated conditional short-circuit current $(I_{nc})$ [ kA ]	6
Rated conditional residual short-circuit current $(I_{\Delta c})$ [ kA ]	6
<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 [ mm <sup>2</sup> ]	Torque [ N.m ]
Terminal bar	16	1.7
Main switch	50	2.5
RCCBs	35	2.5
Surge protective device	16	2
Cover screws	/	2

## Package information

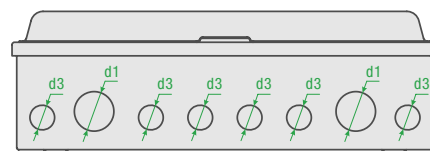
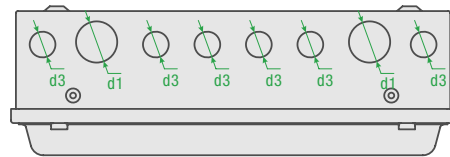
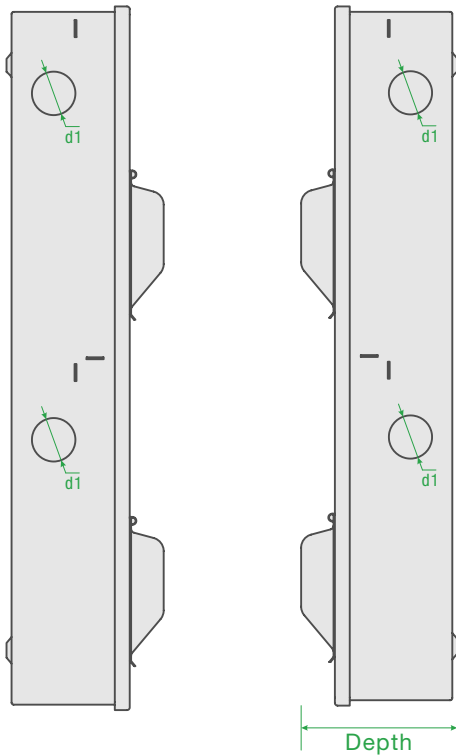
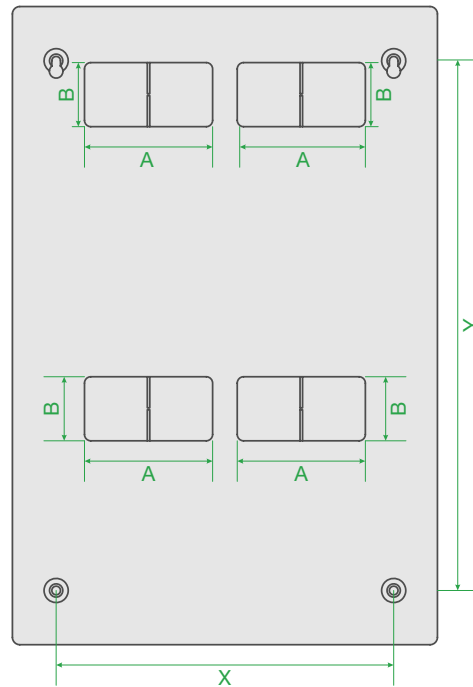
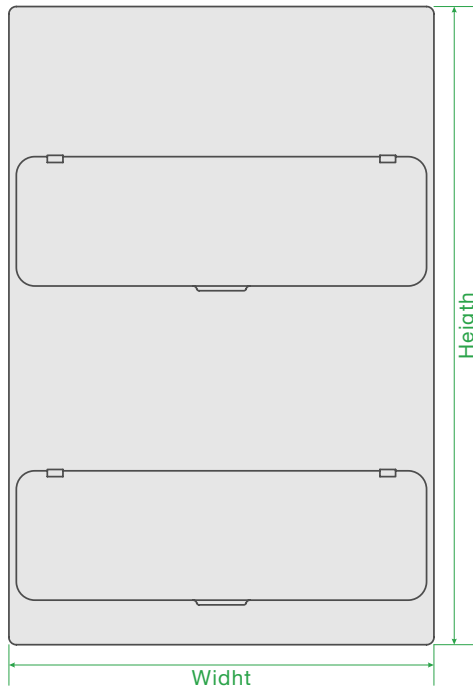
Package level 1		
Type		Box
Number of units in package level 1	[ pcs ]	1
Weight	[ kg ]	7.15
Length	[ cm ]	35.5
Width	[ cm ]	12.8
Height	[ cm ]	53.5
Package level 2		
Type		Pallet
Number of units in package level 2	[ pcs ]	46
Weight	[ kg ]	343.9
Length	[ cm ]	120
Width	[ cm ]	100
Height	[ cm ]	125

## Knock-outs & dimensions

		Top face	Bottom face	Left side	Right side	Rear face
d1 = 32 mm		2	2	2	2	-
d2 = 25 mm		-	-	-	-	-
d3 = 20 mm		6	6	-	-	-
A = 40 mm, B = 30 mm		-	-	-	-	-
A = 104 mm, B = 52 mm		-	-	-	-	4

Width [ mm ]	Height [ mm ]	Depth [ mm ]	X hole [ mm ]	Y hole [ mm ]	Weight [ kg ]
345	518	115	274	430	6.55

# E-MHD25433/SPD1



## Danson Electrical UK Limited.

## Certificate

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