

E-MH55100/SPD1

9 Ways High Integrity SPD Metal Consumer Unit Supplied with SPD, 100A Main Switch, 2 x 100A 30mA RCDs + 8 MCBs include 2 x 6A, 2 x 16A, 1 x 20A, 2 x 32A & 1 x 40A

- High integrity metal enclosure with surge protection
- 1 x 100A main switch
- 2 x 100A 30mA type A RCDs
- 8 x MCBs (2 x 6A, 2 x 16A, 1 x 20A, 2 x 32A & 1 x 40A)
- 1 x T2 20-40kA SPD
- Include tail clamp for incoming live and neutral tails



General information

Mounting method	Surface mounted
Number of modules	16
Number of available modules	1
Number of rows	1
Barcode (EAN-13)	5060690136538

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

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Degree of protection (IK)	IK07
Enclosure material	Steel
Surface finish	Powder paint
Colour	Fresh white
RAL colour number	9016
Information for incomer device	
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
Information for residual current protection	
Type	Residual current circuit breaker (RCCB)
Standard	BS EN 61008-1
RCCB1	
Product code	E-DR2125
Rated current (I_n) [A]	100
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
RCCB2	
Product code	E-DR2125
Rated current (I_n) [A]	100
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
Information for overload and short-circuit protection	
Type	Miniature circuit breaker (MCBs)
Standard	BS EN 60898-1
Ratings	
	2 x 6A (DBYB106, Single pole, B curve) 2 x 16A (DBYB116, Single pole, B curve) 1 x 20A (DBYB120, Single pole, B curve) 2 x 32A (DBYB132, Single pole, B curve) 1 x 40A (DBYB140, Single pole, B curve)
Rated short-circuit breaking capacity $I_{cn}=I_{cs}$ [kA]	6
Information for surge protection	

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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 μ s) (I_n)	[kA] 20
Maximum discharge current (8/20 μ 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 ²]	Torque [N.m]
Terminal bar	16	1.7
Main switch	50	2.5
RCCB	35	2.5
MCB	35	2.5
SPD	16	2
Cover screws	/	2

Package information

Package level 1		
Type		Box
Number of units in package level 1	[pcs]	1
Weight	[kg]	5.45
Length	[cm]	34.84
Width	[cm]	26.97
Height	[cm]	12.83
Package level 2		
Type		Pallet
Number of units in package level 2	[pcs]	104
Weight	[kg]	582.22
Length	[cm]	120
Width	[cm]	100
Height	[cm]	125

Knock-outs & dimensions

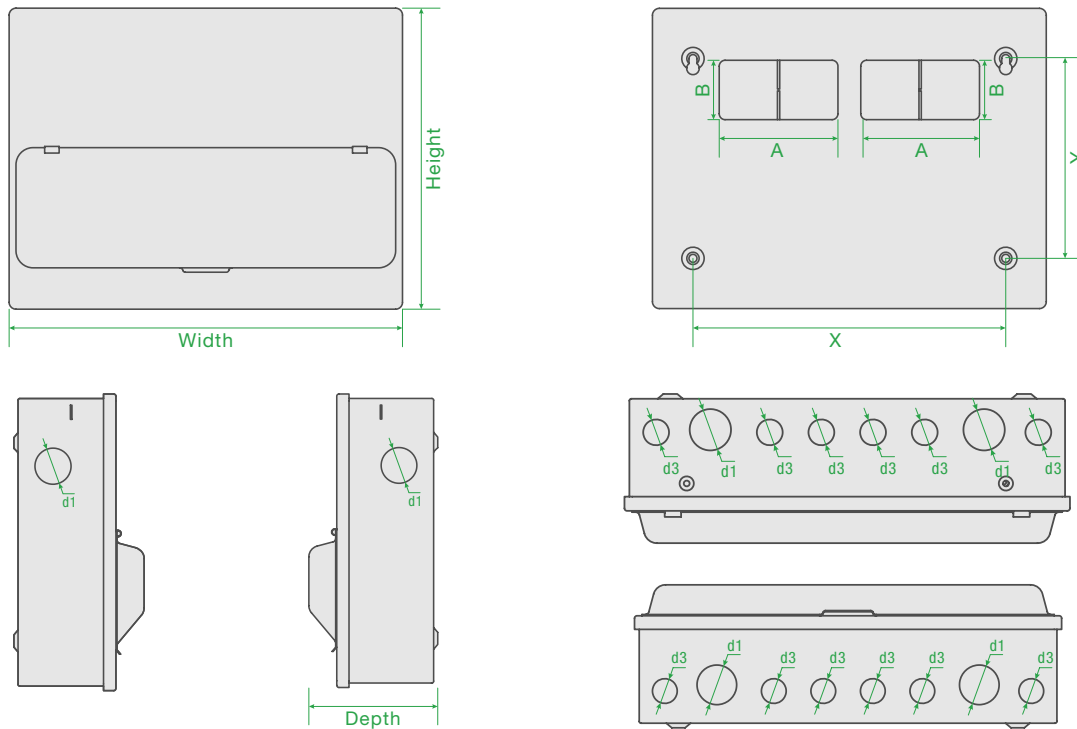
		Top face	Bottom face	Left side	Right side	Rear face
d1 = 32 mm	○	2	2	1	1	-
d2 = 25 mm	○	-	-	-	-	-

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d3 = 20 mm		6	6	-	-	-
A = 40 mm, B = 30 mm		-	-	-	-	-
A = 104 mm, B = 52 mm		-	-	-	-	2

Width [mm]	Height [mm]	Depth [mm]	X hole [mm]	Y hole [mm]	Weight [kg]
345	264	115.3	274	175	5.15



Certificate

