Data Sheet

E-DBYD480

80A MCB 6kA 4P FOUR MODULE D CURVE 400V AC

- Four pole MCB
- 80A, D-curve
- 6kA, energy limiting class 3

General information

Standards		BS EN 60898-1 IEC 60898-1
Width in number of modular spacing		4
Number of poles		4
Design of pole		4P
Number of protected poles		4
Neutral position		-
Neutral can be switched		-
Trip unit technology		Thermal-magnetic
Tripping characteristic		D
Rated current I_n	[A]	80
Breaking capacity		
Rated ultimate short-circuit breaking capacity I_{cn}	[kA]	6
Rated service short-circuit breaking capacity I_{cs}	[kA]	6
Energy limiting class		3
Suitability for isolation acc. to IEC/EN 60898-1		Yes
Barcode (EAN-13)		5060690137337

Technical information

Type of current		AC
Rated operational voltage U_e	[V]	400
Operational voltage		
• Minimum	[V]	24
• Maximum	[V]	440
Frequency f_n	[Hz]	50/60
Rated insulation voltage U_i	[V]	500
Rated impulse withstand voltage U_{imp}	[kV]	4
Dielectric test voltage (50/60 Hz, 1 min.)	[kA]	2
Power loss under I_n per pole	[W]	5.4
Contact position indication		Red ON / Green OFF
Endurance		
• Mechanical	[ops.]	10000

Danson Electrical UK Limited.
Unit 30/31, Mount Pleasant Industrial Park, Mount Pleasant Road, Northam, Southampton, SO14 0SP, United Kingdom
E-mail: sales@danson-electrical.co.uk Tel: 023 8114 0059 Fax: 023 8178 1930 Web: www.danson-electrical.co.uk

• Electrical	[ops.]	4000

Environmental information

Degree of portection		IP20, with connected conductors
Pollution degree		2
Overvoltage category		III
Altitude (maximum)	[Meter]	2000
Ambient air temperature for operation		
• Minimum	[°C]	-25
• Maximum	[°C]	+45
Ambient air temperature for storage		
• Minimum	[°C]	-30
• Maximum	[°C]	+60
Reference ambient air temperature	[°C]	30
Relative humidity		max. 95% at 55 °C

Package information

Package 1		
Type		Box
Number of units in Package 1	[pcs]	3
Weight	[kg]	1.35
Length	[cm]	22.4
Width	[cm]	8.5
Height	[cm]	8
Package 2		
Type		Canton
Number of units in Package 2	[pcs]	60
Weight	[kg]	27.5
Length	[cm]	44.5
Width	[cm]	24
Height	[cm]	34
Package 3		
Type		Pallet
Number of units in Package 3	[pcs]	1800
Weight	[kg]	820
Length	[cm]	120
Width	[cm]	100
Height	[cm]	125

Mounting & Connection

Mounting position		Any
Mounting on DIN rail acc. to IEC 60715		TH35-15, TH35-7.5
Terminal type		Screw terminals
Recommended screw driver		Pozidriv 2

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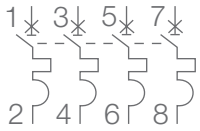
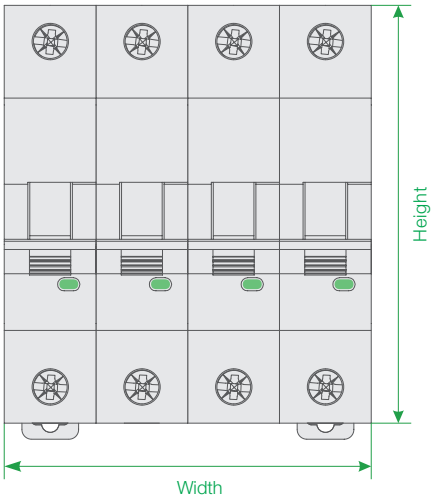
Connection capacity		
Solid and stranded		
• Minimum	[mm^2]	0.75
• Maximim	[mm^2]	50
Finely stranded with end sleeve		
• Minimum	[mm^2]	0.75
• Maximim	[mm^2]	35
Wiring stripping length	[mm]	11.5
Tightening torque	[N.m]	2.5
Sealable handle		Yes
Accessories available		Yes

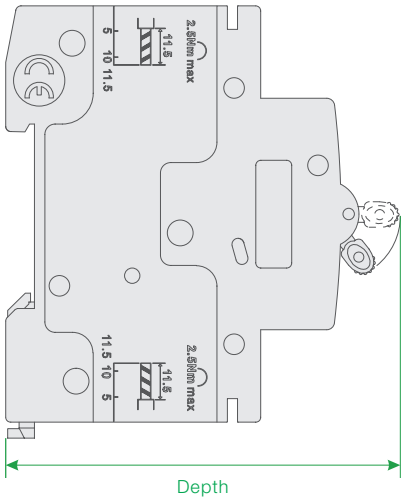
Diagram



Dimensions

Height [mm]	Width [mm]	Depth [mm]	Installation depth [mm]	Weight [g]
84	72	77	71	448





Certificate

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