DATASHEET - MCCB1-160/I43E-200

Housing, insulated material, for molded-case circuit-breaker NZM1 size, HxWxD=375x250x225mm

Powering Business Worldwide

Part no.	**MCCB1-160/I43E-200**
	138540
EL Number (Norway)	**2502396**

General specifications	
Product name	Eaton xEnergy Safety Ci MCCB enclosure
Part no.	MCCB1-160/I43E-200
EAN	4015081353194
Product Length/Depth	225 millimetre
Product height	250 millimetre
Product width	375 millimetre
Product weight	4.856 kilogram
Compliances	RoHS conform
Product Tradename	xEnergy Safety Ci
Product Type	MCCB enclosure
Product Sub Type	None
Delivery program	
Type	Enclosures for circuit breakers, switch-disconnectors Prepared enclosures xEnergy Safety Ci
Model	Surface mounting
Technical Data - Electrical	
Voltage rating	690 V AC
Voltage rating at AC	690 V AC
Rated uninterrupted current (Iu)	160 A
Technical Data - Mechanical	
Unit type	Complete housing
Enclosure	CI43E-200
Enclosure material	Plastic
Degree of protection	IP65 Other
Cover/door type	Transparent, smoke gray, pre-drilled for door coupling rotary handle
Temperature-rise verification as per IEC 60890	
Heat diss. ambient 35°C delta T: 20°C wall mount middle encl. top (IEC 60890)	22 W
Heat diss. ambient 35°C delta T: 35°C wall mount middle encl. top (IEC 60890)	45 W
Heat diss. ambient 35°C delta T:20°C wall mount individ. encl. top (IEC 60890)	28 W
Heat diss. ambient 35°C delta T:20°C wall mount starting encl. top (IEC 60890)	25 W
Heat diss. ambient 35°C delta T:35°C wall mount individ. encl. top (IEC 60890)	55 W
Heat diss. ambient 35°C delta T:35°C wall mount starting encl. top (IEC 60890)	50 W
Design verification as per IEC/EN 61439	
10.2.2 Corrosion resistance	Meets the product standard's requirements.
10.2.3.1 Verification of thermal stability of enclosures	Meets the product standard's requirements.
10.2.3.2 Verification of resistance of insulating materials to normal heat	Meets the product standard's requirements.
10.2.3.3 Resist. of insul. mat. to abnormal heat/fire by internal elect. effects	Lower part: 960 °C / cover: 850 °C
10.2.4 Resistance to ultra-violet (UV) radiation	Not relevant to indoor installations.
10.2.5 Lifting	10 kg per enclosure with support frame and lifting aid met; assembled and secured as per the latest applicable instruction leaflet.
10.2.6 Mechanical impact	IK10
10.2.7 Inscriptions	Meets the product standard's requirements.
10.3 Degree of protection of assemblies	IP65
10.4 Clearances and creepage distances	Is the panel builder's responsibility.
10.5 Protection against electric shock	Protection class 2, therefore not applicable.

10.6 Incorporation of switching devices and components			Is the panel builder's responsibility.
10.7 Internal electrical circuits and connections			Is the panel builder's responsibility.
10.8 Connections for external conductors			Is the panel builder's responsibility.
10.9.2 Power-frequency electric strength			Ui = 1000 V AC
10.9.3 Impulse withstand voltage			8 kV
10.9.4 Testing of enclosures made of insulating material			Meets the product standard's requirements.
10.10 Temperature rise			The panel builder is responsible for the temperature rise calculation. Eaton will provide heat dissipation data for the devices.
10.11 Short-circuit rating			Is the panel builder's responsibility.
10.12 Electromagnetic compatibility			Is the panel builder's responsibility.
10.13 Mechanical function			Meets the product standard's requirements.

Additional information

Fitted with:			Transparent cover
Functions			Prepared enclosure
Special features			For use as individual enclosures (order insulated additional terminal for 4th or 5th pole separately) or in distribution boards Observe the technical data of other equipment when connecting distribution boards Metric cable entry knockouts in all sides Side walls can be knocked out or fitted next to other devices Galvanized sheet steel mounting plate pre-drilled for switches & PE and N terminal Sealable cover fasteners With door coupling rotary handle NZM…-XTVD and extension shaft Fixing material for fixing material Including fixing straps for wall mounting can not be combined with remote operator NZM...-XR, plug-in unit NZM...-XSV or withdrawable unit NZM...-XAV
Suitable for			Emergency stop
Used with			NZM1(-4) LZM1(-4) LN1(-4) N1(-4) K95/1N… NS1 PN1(-4) K50/1 Prepared enclosures xEnergy Safety Ci Enclosures for circuit breakers, switch-disconnectors

Technical data ETIM 9.0

Low-voltage industrial components (EG000017) / Empty enclosure for switchgear (EC000712)

Electric engineering, automation, process control engineering / Low-voltage switch technology / Component for low-voltage switching technology / Empty housing for switch devices (ecl@ss13-27-37-13-01 [AKN343019])

Housing material			Plastic
Width		mm	375
Height		mm	250
Depth		mm	225
With transparent cover			Yes
Suitable for emergency stop			Yes
Model			Surface mounting
Degree of protection (IP)			IP65
Degree of protection (NEMA)			Other

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