

Base, smooth sides, HxWxD=500x375x120mm



Part no. U-CI45X
098470
EL Number 2502355
(Norway)

General specifications		
Product name		Eaton xEffect Ci Enclosures Switch- & Controlgear Enclosure
Part no.		U-CI45X
EAN		4015080984702
Product Length/Depth		120 millimetre
Product height		500 millimetre
Product width		375 millimetre
Product weight		5.1 kilogram
Compliances		RoHS conform
Certifications		IEC 60947 VDE UL 508 EN 60947-3 CSA Std. C22.2 No. 14-05 EN 62208 EN 61439-2
Product Tradename		xEffect Ci
Product Type		Enclosures
Product Sub Type		Switch- & Controlgear Enclosure
Delivery program		
Type		Basic enclosure Enclosure bases xEnergy Safety Ci
Accessory/spare part type		Individual enclosure bottoms
Color		Gray
Nominal current		1600 A
Technical Data - Electrical		
Circuit integrity		Other
Technical Data - Mechanical		
Unit type		Modular system
Base type		Plain
Surface protection		Other
Enclosure material		Plastic
Width in number of modular spacings		17
Mounting method		Surface mounted (plaster)
Degree of protection		IK10 Other IP65
Number of conduit inlets		0
Number of modules		1
Number of openings (flange plates)		0
Number of rows		0
Built-in depth		200 mm
Internal depth		100 mm
Cable entry type		Top and bottom Drill as required Transverse
Cover/door model		Closed
Cover/door type		Optional None
Plate thickness (cabinet)		9 mm
Plate thickness (cover/door)		6 mm
Temperature-rise verification as per IEC 60890		

Heat diss. ambient 35°C delta T: 20°C wall mount middle encl. top (IEC 60890)			24 W
Heat diss. ambient 35°C delta T: 35°C wall mount middle encl. top (IEC 60890)			48 W
Heat diss. ambient 35°C delta T: 20°C wall mount individ. encl. top (IEC 60890)			27 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)			53 W
Heat diss. ambient 35°C delta T: 35°C wall mount starting encl. top (IEC 60890)			51 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			960 °C
10.2.4 Resistance to ultra-violet (UV) radiation			Not relevant to indoor installations.
10.2.5 Lifting			30 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, with cover
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			
Features			Cover with overpressure release
Protection class			II
RAL-number			7035
Special features			Flanges →#024355 Distance frame for CI45... →#110103 Smooth sides Without knockouts
Suitable for			Lightning protection Outdoor use

Technical data ETIM 9.0

Distribution boards (EG000023) / Empty cabinet (EC000058)			
Electric engineering, automation, process control engineering / Electrical installation, device / Electrical distribution system (including small distribution board) / Empty cabinet (small distribution board) (ecI@ss13-27-14-24-08 [ACN385016])			
Mounting method			Surface mounted
Type of covering			Optional
Cover model			Closed
Type of door			None
Transparent cover/door			No
With lock			No
Nominal current (In)		A	1600
Height		mm	500
Width		mm	375
Depth		mm	120
Built-in depth		mm	200
Inner depth		mm	100
Material plate thickness cabinet		mm	9

Material plate thickness door/cover		mm	6
Colour			Grey
RAL-number			7035
Number of modules			1
Number of rows			0
Width in number of modular spacings			17
Number of openings for flange plates			0
Extension possible			No
Number of conduit inlets			0
Housing material			Plastic
Surface protection			Other
With mounting plate			No
Suitable for outdoor use			Yes
Suitable for lightning protection			Yes
Degree of protection (IP)			Other
Degree of protection (NEMA)			Other
Protection class			II
Impact strength			IK10
Circuit integrity			Other
Cover with overpressure release			Yes