

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		U _i = 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) (ecl@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