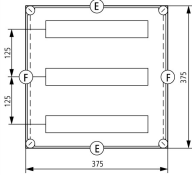






MCB enclosure, 3x15space units, HxWxD=375x375x150mm

Part no. **AE/I44E**
Article no. **004985**

Delivery program

Dimensions		mm	
Product range			Ci insulated enclosures
Basic function			Prepared enclosures
Product function			MCB individual enclosures
Accessories			MCB individual enclosures
Single unit/Complete unit			Stand-alone device
Description			Metric cable entry knockouts in all sides For flush mounting devices with frame size 1 to DIN 43880 Transparent cover with quick-release fasteners Transparent door for operator access to devices fitted Mounting rails for snap-fitting the devices Blanking strip for unused mounting locations Protective shroud with inscription label PE/N screw terminals Fixing straps for wall fixing Sealable cover fasteners
Degree of Protection			IP65
Width		mm	375
Height		mm	375
Depth		mm	150
1-pole MCBs		Number	45
PE and N terminals, quantity x cross-section		mm ²	On each: 4 x (6 - 35) On each: 20 x (1 - 4)
Model			
Type cover			Transparent

Notes

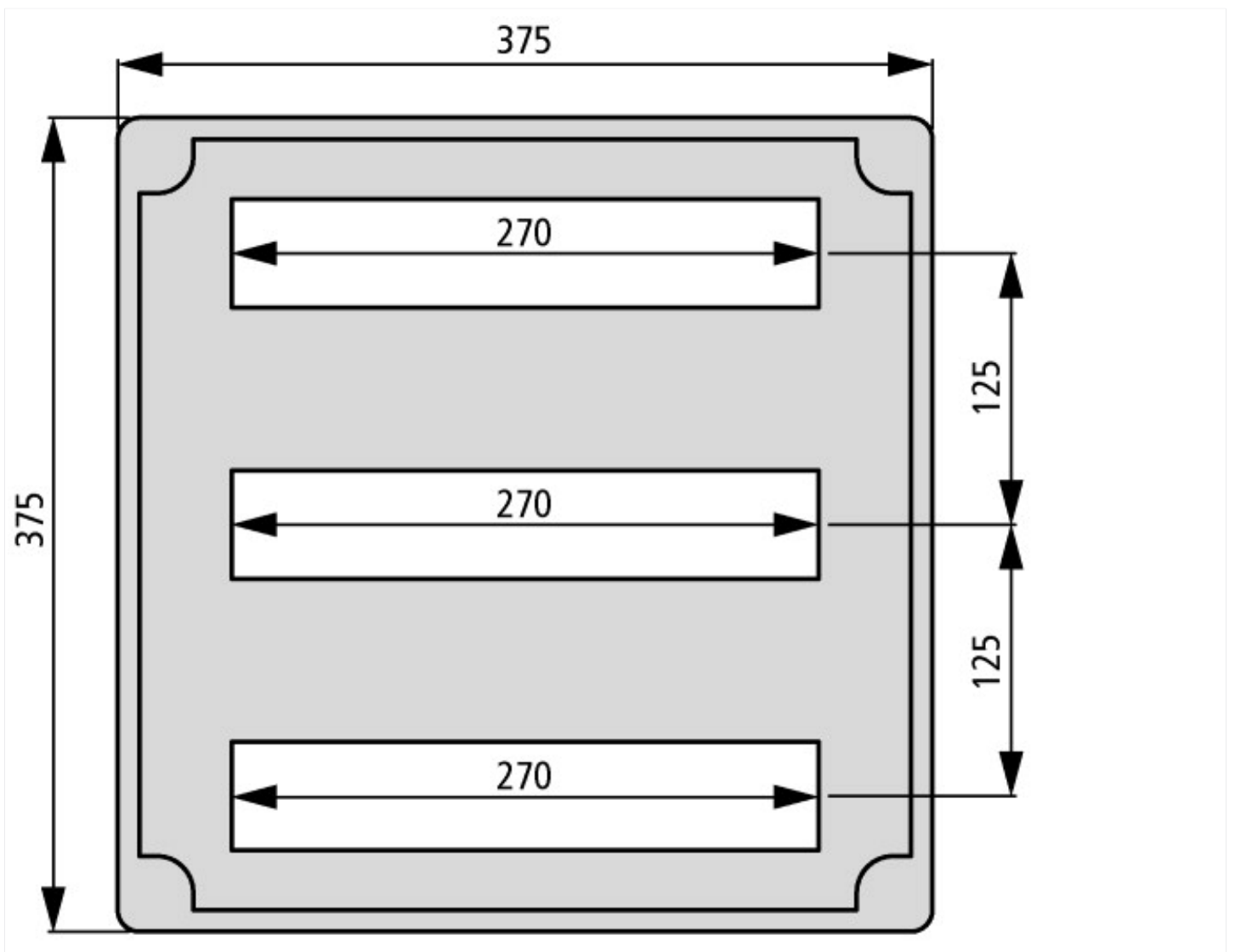
E		1 x M50/32	8 x M25/16
		2 x M40/25	2 x M20
F		1 x M63/40	10 x M20
		6 x M25/16	2 x M16

Design verification as per IEC/EN 61439

Technical data for design verification			
Heat dissipation, at an ambient temperature of 35°C, delta T: 20 degrees, calculated as per IEC 60890			
Individual enclosure for wall mounting	P _V	CO	25
Starting enclosure for wall mounting	P _V	CO	24
Middle enclosure for wall mounting	P _V	CO	23
Heat dissipation, at an ambient temperature of 35°C, delta T: 35 degrees, calculated as per IEC 60890			
Individual enclosure for wall mounting	P _V	CO	51
Starting enclosure for wall mounting	P _V	CO	48
Middle enclosure for wall mounting	P _V	CO	45
IEC/EN 61439 design verification			
10.2 Strength of materials and parts			

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 Verification of resistance of insulating materials to abnormal heat and fire due to internal electric effects		Lower part: 960 °C / cover: 850 °C; meets the product standard's requirements.
10.2.4 Resistance to ultra-violet (UV) radiation		Not relevant to indoor installations.
10.2.5 Lifting		20 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 Insulation properties		
10.9.2 Power-frequency electric strength		$U_i = 1000 \text{ V AC}$
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.

Dimensions



AV/I44 dimensions identical but rotated by 90°

Additional product information (links)

Manufacturer's Declaration CI-RoHS	ftp://ftp.moeller.net/DOCUMENTATION/PDF/2013-01-31_Ci_RoHS.pdf
Declaration of conformity	ftp://ftp.moeller.net/DOCUMENTATION/PDF/ci_ce.pdf