

MCB enclosure, 3x15space units, HxWxD=375x375x150mm

Powering Business Worldwide*

Part no. AE/144E Article no. 004985

Delivery program

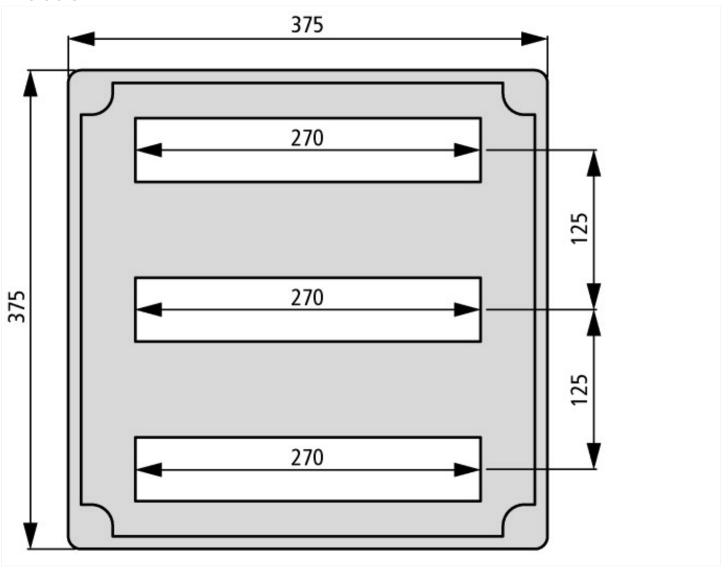
mm	Ci insulated enclosures Prepared enclosures MCB individual enclosures MCB individual enclosures MCB individual enclosures Stand-alone device Metric cable entry knockouts in all sides For flush mounting devices with frame size 1 to DIN 43880 Transparent cover with quick-release fasteners Transparent 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 IP65 375
mm	Prepared enclosures MCB individual enclosures MCB individual enclosures Stand-alone device 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
mm	MCB individual enclosures MCB individual enclosures Stand-alone device 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 IP65
mm	MCB individual enclosures Stand-alone device 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
mm	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
mm	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
mm	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
mm	
mm	375
mm	375
mm	150
Number	45
mm ²	On each: 4 x (6 - 35) On each: 20 x (1 - 4)
	Transparent
	8 x M25/16 2 x M20 10 x M20
	Number

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
EC/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 abnormal heat and fire due to internal electric effects 10.2.3 Verification of resistance of insulating materials to abnormal heat and fire due to internal electric effects 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 Meets the product standard's requirements. 10.2.7 Inscriptions IK10 Meets the product standard's requirements. 10.2.8 Inscriptions Ik10 Meets the product standard's requirements. 10.2.9 Protection against electric shock Protection class 2, therefore not applicable. 10.5 Protection against electric shock Protection elass 2, therefore not applicable. 10.6 Clearances and creepage distances 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 Uj = 1000 V AC 10.9.3 Impulse withstand voltage 3 kV 10.9.4 Testing of enclosures made of insulating material Internal electric circuits and connections Is the panel builder's responsibility 10.11 Short-circuit rating Is the panel builder's responsibility. 10.12 Electromagnatic compatibility Is the panel builder's responsibility. 10.13 Mechanical function Meets the product standard's requirements. 10.14 Electromagnatic compatibility Is the panel builder's responsibility. 10.15 Meets the product standard's requirements. Internal electric standard's requirements. 10.15 Meets the product standard's requireme		
10.2.3.2 Verification of resistance of insulating materials to normal heat 10.2.3.3 Verification of resistance of insulating materials to abnormal heat and fire due to internal electric effects 10.2.4 Resistance to ultra-violet (UV) radiation 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 10.2.7 Inscriptions 10.3. Degree of protection of ASSEMBLIES 10.4. Clearances and creepage distances 10.5 Protection against electric shock 10.6 Incorporation of switching devices and components 10.7 Internal electrical circuits and connections 10.8 Connections for external conductors 10.9 Insulation properties 10.9. Power-frequency electric strength 10.9. Power-frequency electric strength 10.9. Insulation properties 10.9. Power-frequency electric strength 10.9. A Testing of enclosures made of insulating material 10.10 Temperature rise 10.10 Temperature rise 10.11 Short-circuit rating 10.12 Electromagnetic compatibility 10.13 List the panel builder's responsibility. 10.14 List the panel builder's responsibility. 10.15 List the panel builder's responsibility. 10.16 List the panel builder's responsibility. 10.17 List the panel builder's responsibility. 10.18 List the panel builder's responsibility. 10.19 List the panel builder's responsibility. 10.10 Temperature rise 10.10 Temperature rise 10.11 Short-circuit rating 10.12 Electromagnetic compatibility. 10.13 List the panel builder's responsibility. 10.14 List the panel builder's responsibility. 10.15 List the panel builder's responsibility. 10.16 List the panel builder's responsibility. 10.17 List the panel builder's responsibility. 10.18 List the panel builder's responsibility. 10.19 List the panel builder's responsibility. 10.10 List the panel builder's responsibility.	10.2.2 Corrosion resistance	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 10.2.4 Resistance to ultra-violet (UV) radiation 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 10.2.7 Inscriptions 10.3 Degree of protection of ASSEMBLIES 10.4 Clearances and creepage distances 10.5 Frotection against electric shock 10.6 Incorporation of switching devices and components 10.7 Internal electrical circuits and connections 10.9 Insulation properties 10.9.2 Power-frequency electric strength 10.9.3 Impulse withstand voltage 10.9.4 Testing of enclosures made of insulating material 10.10 Temperature rise 10.10 Temperature rise 10.11 Short-circuit rating 10.12 Electromagnetic compatibility Is the panel builder's responsibility. Is the panel builder's responsibility. Is the panel builder is responsibility. Is the panel builder is responsibility. Is the panel builder is responsibility in the temperature rise calculation. Eaton will provide heat dissipation data for the devices.	10.2.3.1 Verification of thermal stability of enclosures	Meets the product standard's requirements.
and fire due to internal electric effects 10.2.4 Resistance to ultra-violet (UV) radiation 10.2.5 Lifting 20 kg per enclosure with support frame and lifting aid met; assembled and secured as per the letest applicable instruction leaflet. 10.2.6 Mechanical impact 10.2.7 Inscriptions 10.3 Degree of protection of ASSEMBLIES 10.4 Clearances and creepage distances 10.5 Protection against electric shock 10.6 Incorporation of switching devices and components 10.7 Internal electrical circuits and connections 10.8 Connections for external conductors 10.9 Insulation properties 10.9.2 Power-frequency electric strength 10.9.3 Impulse withstand voltage 10.9.4 Testing of enclosures made of insulating material 10.10 Temperature rise 10.10 Temperature rise 10.11 Short-circuit rating 10.12 Electromagnetic compatibility 10.12 Electromagnetic compatibility 10.14 Electromagnetic compatibility 10.15 Protection against electric effects 20 kg per enclosure with support frame and lifting aid met; assembled and secured as per the letest applicable instruction leaflet. 10.10 Temperature rise 10.24 kg per enclosure with support frame and lifting aid met; assembled and secured as per the letest applicable instruction leaflet. 10.10 Temperature rise 10.25 protection against electric strength 10.10 Temperature rise 10.10 Temperature rise 10.11 Short-circuit rating 10.12 Electromagnetic compatibility 10.14 Letestromagnetic compatibility 10.15 Letestromagnetic compatibility	10.2.3.2 Verification of resistance of insulating materials to normal heat	Meets the product standard's requirements.
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 10.2.7 Inscriptions Meets the product standard's requirements. 10.3 Degree of protection of ASSEMBLIES 10.4 Clearances and creepage distances 10.5 Protection against electric shock Protection against electric shock Protection of switching devices and components 10.6 Incorporation of switching devices and components 10.8 Connections for external conductors 10.8 Connections for external conductors 10.9 Insulation properties 10.9.2 Power-frequency electric strength 10.9.2 Power-frequency electric strength 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's responsibility. 10.11 Short-circuit rating Is the panel builder's responsibility. 1s the panel builder's responsibility.		Lower part: 960 °C / cover: 850 °C; meets the product standard's requirements.
as per the latest applicable instruction leaflet. 10.2.6 Mechanical impact 10.2.7 Inscriptions Meets the product standard's requirements. 10.3 Degree of protection of ASSEMBLIES 10.4 Clearances and creepage distances 10.5 Protection against electric shock 10.6 Incorporation of switching devices and components 10.6 Incorporation of switching devices and components 10.7 Internal electrical circuits and connections 10.8 Connections for external conductors 10.9 Insulation properties 10.9.2 Power-frequency electric strength 10.9.2 Power-frequency electric strength 10.9.4 Testing of enclosures made of insulating material 10.10 Temperature rise 10.10 Temperature rise 10.11 Short-circuit rating 10.12 Electromagnetic compatibility 10 the panel builder's responsibility. 10 the panel builder is responsibility. 10.11 Short-circuit rating 10 the panel builder is responsibility. 10 the panel builder is responsibility.	10.2.4 Resistance to ultra-violet (UV) radiation	Not relevant to indoor installations.
10.2.7 Inscriptions Meets the product standard's requirements. 10.3 Degree of protection of ASSEMBLIES 10.4 Clearances and creepage distances 10.5 Protection against electric shock 10.6 Incorporation of switching devices and components 10.7 Internal electrical circuits and connections 10.8 Connections for external conductors 10.9 Insulation properties 10.9.2 Power-frequency electric strength 10.9.3 Impulse withstand voltage 10.9.4 Testing of enclosures made of insulating material 10.10 Temperature rise 10.10 Temperature rise 10.11 Short-circuit rating 10.12 Electromagnetic compatibility 10 Sherican and connections or external conductors 10 Sherican and connections 10 Sherican and conne	10.2.5 Lifting	
10.3 Degree of protection of ASSEMBLIES 10.4 Clearances and creepage distances 10.5 Protection against electric shock 10.6 Incorporation of switching devices and components 10.7 Internal electrical circuits and connections 10.8 Connections for external conductors 10.9 Insulation properties 10.9.2 Power-frequency electric strength 10.9.3 Impulse withstand voltage 10.9.4 Testing of enclosures made of insulating material 10.10 Temperature rise 10.11 Short-circuit rating 10.12 Electromagnetic compatibility Is the panel builder's responsibility. Is the panel builder is responsibility. Is the panel builder is responsible for the temperature rise calculation. Eaton will provide heat dissipation data for the devices. Is the panel builder's responsibility. Is the panel builder's responsibility.	10.2.6 Mechanical impact	IK10
10.4 Clearances and creepage distances 10.5 Protection against electric shock 10.6 Incorporation of switching devices and components 10.7 Internal electrical circuits and connections 10.8 Connections for external conductors 10.9 Insulation properties 10.9.2 Power-frequency electric strength 10.9.3 Impulse withstand voltage 10.9.4 Testing of enclosures made of insulating material 10.10 Temperature rise 10.10 Temperature rise 10.11 Short-circuit rating 10.12 Electromagnetic compatibility Is the panel builder's responsibility. Is the panel builder is responsibility at the temperature rise calculation. Eaton will provide heat dissipation data for the devices. Is the panel builder's responsibility. Is the panel builder's responsibility.	10.2.7 Inscriptions	Meets the product standard's requirements.
10.5 Protection against electric shock 10.6 Incorporation of switching devices and components 10.7 Internal electrical circuits and connections 10.8 Connections for external conductors 10.9 Insulation properties 10.9.2 Power-frequency electric strength 10.9.3 Impulse withstand voltage 8 kV 10.9.4 Testing of enclosures made of insulating material 10.10 Temperature rise 10.11 Short-circuit rating 10.12 Electromagnetic compatibility Protection class 2, therefore not applicable. Is the panel builder's responsibility. Is the panel builder's responsibility. Is the panel builder is responsibility. Is the panel builder is responsibility. Is the panel builder is responsibility.	10.3 Degree of protection of ASSEMBLIES	IP65
10.6 Incorporation of switching devices and components 10.7 Internal electrical circuits and connections 10.8 Connections for external conductors 10.9 Insulation properties 10.9.2 Power-frequency electric strength 10.9.3 Impulse withstand voltage 10.9.4 Testing of enclosures made of insulating material 10.10 Temperature rise 10.11 Short-circuit rating 10.12 Electromagnetic compatibility Is the panel builder's responsibility. Is the panel builder's responsibility. Is the panel builder's responsibility. Is the panel builder is responsibility. Is the panel builder is responsibility. Is the panel builder's responsibility.	10.4 Clearances and creepage distances	Is the panel builder's responsibility.
10.7 Internal electrical circuits and connections 10.8 Connections for external conductors 10.9 Insulation properties 10.9.2 Power-frequency electric strength 10.9.3 Impulse withstand voltage 8 kV 10.9.4 Testing of enclosures made of insulating material 10.10 Temperature rise 10.11 Short-circuit rating 10.12 Electromagnetic compatibility Is the panel builder's responsibility.	10.5 Protection against electric shock	Protection class 2, therefore not applicable.
10.8 Connections for external conductors 10.9 Insulation properties 10.9.2 Power-frequency electric strength 10.9.3 Impulse withstand voltage 8 kV 10.9.4 Testing of enclosures made of insulating material 10.10 Temperature rise 10.11 Short-circuit rating 10.12 Electromagnetic compatibility Is the panel builder's responsibility. Is the panel builder's responsibility.	10.6 Incorporation of switching devices and components	Is the panel builder's responsibility.
10.91 Insulation properties 10.9.2 Power-frequency electric strength 10.9.3 Impulse withstand voltage 8 kV 10.9.4 Testing of enclosures made of insulating material 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 10.12 Electromagnetic compatibility Is the panel builder's responsibility.	10.7 Internal electrical circuits and connections	Is the panel builder's responsibility.
10.9.2 Power-frequency electric strength 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 10.12 Electromagnetic compatibility Is the panel builder's responsibility.	10.8 Connections for external conductors	Is the panel builder's responsibility.
10.9.3 Impulse withstand voltage 10.9.4 Testing of enclosures made of insulating material Meets the product standard's requirements. 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.	10.9 Insulation properties	
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 10.12 Electromagnetic compatibility Is the panel builder's responsibility.	10.9.2 Power-frequency electric strength	U _i = 1000 V AC
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.	10.9.3 Impulse withstand voltage	8 kV
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.	10.9.4 Testing of enclosures made of insulating material	Meets the product standard's requirements.
10.12 Electromagnetic compatibility Is the panel builder's responsibility.	10.10 Temperature rise	
	10.11 Short-circuit rating	Is the panel builder's responsibility.
10.13 Mechanical function Meets the product standard's requirements.	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