

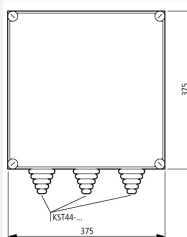


**Panel enclosure, with gland plate and cable glands,  
HxWxD=375x375x275mm**

**Part no. KST44-250**  
**Article no. 095877**

## Delivery program

Product range			Ci insulated enclosures
Basic function			Basic enclosures
Product function			Panel enclosure with gland plates fitted
Single unit/Complete unit			Stand-alone device
Degree of Protection			IP65
Description			Sealable cover fasteners Sides closed, but with full area knockout Open top Fitting of cable supports in the distribution board with wedge-lock fastener Gland plate can be split, cables can be inserted from the front
Model base			Plain
Type cover			Transparent
Width		mm	375
Height		mm	375
Depth		mm	275
Mounting depth with mounting plate		mm	250
Mounting depth for mounting rail 7.5 mm height		mm	242.5
Mounting depth for mounting rail 15 mm height		mm	235
Dimensions		mm	



## Enclosure depth

Legend for the graphic			Dimensions from top: Mounting depth with mounting plate Mounting depth for mounting rail 7.5 mm height Mounting depth for mounting rail 15 mm height Enclosure depth
Enclosure depth		mm	
Cable entry			3 x 14 - 68

## Notes

### Distribution board with/without gland plates fitted

- Cover transparent, cover fasteners can be sealed

### Ci distribution board enclosure without cable gland plates

- Degree of protection IP65
- Sides closed, but with full area knockout, open top and bottom

### KST distribution board enclosure with cable gland plates fitted

- Degree of protection IP65 from below
- Sides closed, but with full area knockout, open at top
- Fitting of cable supports in the distribution board with wedge-lock fastener
- Gland plate can be split, cables can be inserted from the front

## Technical data

### General

Ambient temperature		°C	-40 - +80
Ambient temperature			
Mean value over 24 hours		°C	35
Limit values		°C	
Ambient temperature limit value min.		°C	-5
Ambient air temperature, limit values max.		°C	40
Degree of Protection			IP65
Protection type			IP65 (Enclosure) IP65 (KST cable entries from below) IP64 (KST cable entries from above) IP00 (Cable entry open)
Components			Switchgear assembly components are type-tested. They are available individually for the self-assembly of switchgear installations, distribution boards and control panels.
Devices that can be fitted			The reference values indicated in the table apply to the basic elements of the distribution board. As far as devices, terminals etc. fitted into the enclosures are concerned, their own specific technical data and rated values apply.
Standards			
TTA - Type Tested Assemblies			IEC/EN 60439-1, VDE 0660 Part 500
Low-voltage fuses			IEC/EN 60269, VDE 0636
Type test			VDE 0660 Part 500, IEC/EN 60439-1
Creepage and clearance distances			III/3 to IEC/EN 60439-1
Flammability characteristics - Glow rod test			VDE 0304 Part 3 level IIb, level IIb to IEC 60707
Regulation for the fire resistance tests of electrical products, their modules and components, glow wire test			VDE 0471 Part 2
Operating and ambient conditions to VDE 0660 Part 500			
Ambient temperature			
Mean value over 24 hours		°C	35
Limit values		°C	-5 ... 40
Indoor installation			
Relative humidity			90 % (at 20°C) 50% (at 40°C)
Altitude		m	Max. 2000
Protection type			IP65 (Enclosure) IP65 (KST cable entries from below) IP64 (KST cable entries from above) IP00 (Cable entry open)
Mounting grid		mm	25 (DIN 43660)
Colour			
Base			RAL 7032, pebble grey
Housing body			Transparent, colourless or RAL 7032, pebble grey
			Cl...-NA: Transparent cover, opaque
Surface finish			Galvanized Passivated

### Material characteristics

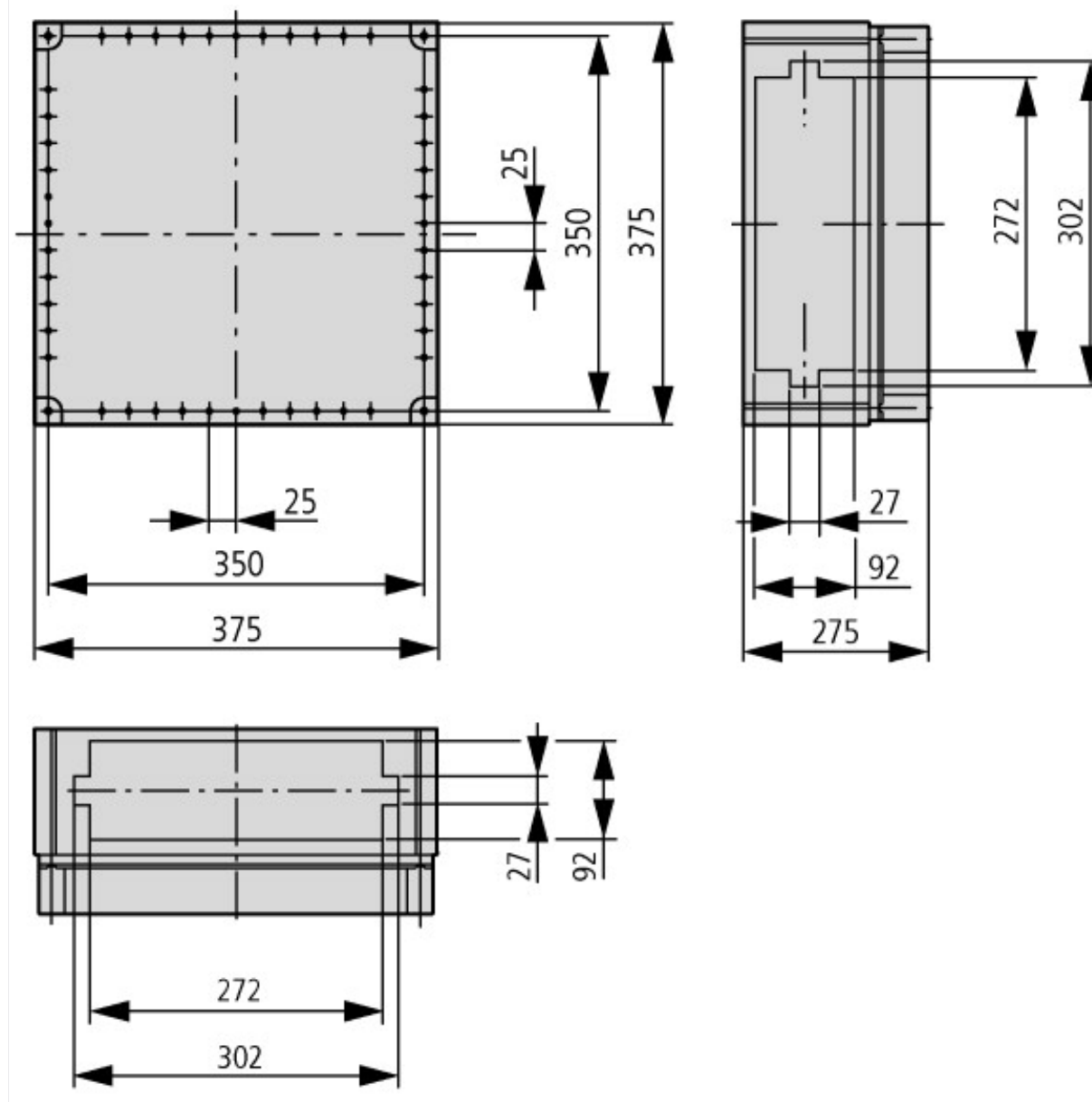
Surface finish			Galvanized Passivated
Colour			
Base			RAL 7032, pebble grey
Housing body			Transparent, colourless or RAL 7032, pebble grey

## 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 <sub>V</sub>	CO	34
Starting enclosure for wall mounting	P <sub>V</sub>	CO	32
Middle enclosure for wall mounting	P <sub>V</sub>	CO	29
Heat dissipation, at an ambient temperature of 35°C, delta T: 35 degrees, calculated as per IEC 60890			

Individual enclosure for wall mounting	P <sub>V</sub>	CO	69
Starting enclosure for wall mounting	P <sub>V</sub>	CO	64
Middle enclosure for wall mounting	P <sub>V</sub>	CO	59
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 <sub>i</sub> = 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.

## Dimensions



## Additional product information (links)

### AWA3200-0572 Gland plates

AWA3200-0572 Gland plates	<a href="ftp://ftp.moeller.net/DOCUMENTATION/AWA_INSTRUCTIONS/05720588.pdf">ftp://ftp.moeller.net/DOCUMENTATION/AWA_INSTRUCTIONS/05720588.pdf</a>
Manufacturer's Declaration CI-RoHS	<a href="ftp://ftp.moeller.net/DOCUMENTATION/PDF/2013-01-31_Ci_RoHS.pdf">ftp://ftp.moeller.net/DOCUMENTATION/PDF/2013-01-31_Ci_RoHS.pdf</a>
Declaration of conformity	<a href="ftp://ftp.moeller.net/DOCUMENTATION/PDF/ci_ce.pdf">ftp://ftp.moeller.net/DOCUMENTATION/PDF/ci_ce.pdf</a>