

# Panel enclosure, with gland plate and cable glands, HxWxD=375x250x175mm

Powering Business Worldwide\*

Part no. KST34-150 Article no. 074520

### **Delivery program**

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	250
Height	mm	375
Depth	mm	175
Mounting depth with mounting plate	mm	150
Mounting depth for mounting rail 7.5 mm height	mm	142.5
Mounting depth for mounting rail 15 mm height	mm	135
Dimensions	mm	250
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		2 x 14 - 54

#### 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
  Gides closed, but with full area knockout, open at top
  Fitting of cable supports in the distribution board with wedge-lock fastner
- Gland plate can be split, cables can be inserted from the front

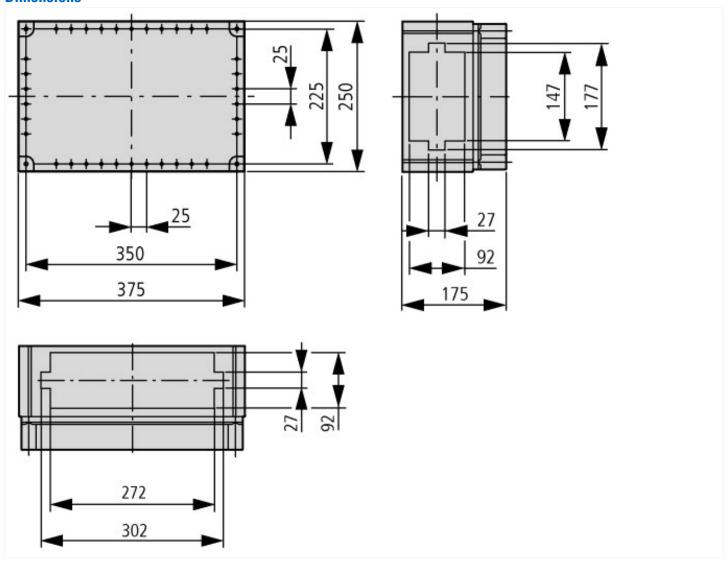
## **Technical data**

General			
Ambient temperature	°C	-40 - +80	
Ambient temperature			
Mean value over 24 hours	°C	35	
Limit values	°C		
Ambient temperature limit value min.	°C		
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  Creepage and clearance distances		VDE 0660 Part 500, IEC/EN 60439-1	
Flammability characteristics - Glow rod test		III/3 to IEC/EN 60439-1  VDE 0304 Part 3 level IIb, level IIb to IEC 60707	
,		VDE 0304 Part 3 level fib, level fib to fee 00707	
Regulation for the fire resistance tests of electrical products, their modules and components, glow wire test		VDL U4711 alt Z	
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	
		ClNA: 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 Pv C0 19  Middle enclosure for wall mounting Pv C0 17  Heat dissipation, at an ambient temperature of 35°C, delta T: 35 degrees, calculated as per IEC 60890  Individual enclosure for wall mounting Pv C0 41  Starting enclosure for wall mounting Pv C0 38  Middle enclosure for wall mounting Pv C0 34  EC/EN 61439 design verification  10.2 Strength of materials and parts 10.2.2 Corrosion resistance 10.2.3.1 Verification of thermal stability of enclosures 10.2.3.2 Verification of resistance of insulating materials to abnormal heat and fire due to internal electric effects 10.2.3.4 Resistance to ultra-violet (UV) radiation  Not relevant to indoor installations.	Design verincation as per illo/liv 01433			
Individual enclosure for wall mounting Py CO 29  Middle enclosure for wall mounting Py CO 39  Middle enclosure for wall mounting Py CO 39  Middle enclosure for wall mounting Py CO 39  Individual enclosure for wall mounting Py CO 39  Individual enclosure for wall mounting Py CO 39  Individual enclosure for wall mounting Py CO 38  Middle enclosure for wall mounting Py CO 39  Meets the product standard's requirements.  Meets the product standard's requirements.  In 102 per enclosure with support frame and lifting aid met: assembled and socure as per the literal applicable instruction berlier.  Meets the product standard's requirements.  Meets the produc	Technical data for design verification			
Starting enclosure for wall mounting  Middle enclosure for wall mounting  Py CO 17  Head dissipation, at an ambient temperature of 35°C, delta T:35 degrees.  Individual enclosure for wall mounting  Py CO 38  Middle enclosure for wall mounting  Py CO 38  Middle enclosure for wall mounting  Py CO 38  Middle enclosure for wall mounting  Py CO 34  Electrosia design verification  10.2 Strength or materials and parts  10.2.2 Corrosion resistance  10.2.2 Strength or materials and parts  10.2.2 Strength or materials and parts  10.2.2 Verification of resistance of insulating materials to normal 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 (IVV) rediation  10.2.5 Lifting  10.2.5 Electromagnetic coronal spin and connections  10.3.6 Locoroparation of switching devices and components  10.3.6 Locoroparation of switching devices and components  10.5 Incorporation of switching devices and components  10.5 Incorporation of switching devices and components  10.5 Incorporation of switching devices and connections  10.5 Incorporation of switching devices and components  10.5 Incorporation of switching devices and connections  10.5 Incorporation of switching				
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Heat dissipation, at an ambient temperature of 35°C, deka T. 35 degrees, calculated as per IEC 60890  Individual enclosure for wall mounting Pv 00 38 Starting enclosure for wall mounting Pv 00 34  Middle enclosure for wall mounting Pv 00 34  ECEN 61439 design verification  10.2 Strength of materials and parts  10.2 Corrosion resistance 10.2.3 Verification of thermal stability of enclosures 10.2.3 Verification of esistance of insulating materials to normal heat and fire due to internal electric effects 10.2.3 Verification of esistance of insulating materials to abnormal heat and fire due to internal electric effects 10.2.4 Resistance to ultra-violet (UV) radiation 10.2 Strength of ASSEMBLES 10.2 Rechanced impact 10.2 Incarptions 10.3 Incarptions 10.3 Incarptions 10.3 Incarption of verification of seistance of insulating materials to abnormal heat and fire due to internal electric effects 10.3 Incarptions 10.3 Degree of protection of ASSEMBLES 10.3 Protection against electric shock 10.3 Incarption of switching devices and components 10.3 Protection against electric shock 10.5 Protection against	Starting enclosure for wall mounting	$P_V$	CO	19
Individual enclosure for wall mounting  Individual enclosures  Individual enclosure with support frame and lifting aid met, assembled and secure as per the latest applicable instruction leaflet.  Individual enclosure with support frame and lifting aid met, assembled and secure as per the latest applicable instruction leaflet.  Individual enclosures  Individual en	Middle enclosure for wall mounting	$P_V$	CO	17
Starting enclosure for wall mounting Middle enclosure for wall mounting Pv C0 34  EC/EN 61439 design verification  10.2 Strength of materials and parts  10.2.2 Corrosion resistance 10.2.3 I Verification of thermal stability of enclosures  10.2.3 I Verification of thermal stability of enclosures  10.2.3 Verification of resistance of insulating materials to normal heat and fire due to internal electric effects  10.2.3 I Verification of resistance of insulating materials to abnormal heat and fire due to internal electric effects  10.2.5 Lifting  10.2.5 Lifting  10.2.5 Mechanical impact  10.2.5 Lifting  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  10.5 Inscription of switching devices and components  10.5 Protection of switching devices and components  10.5 Protection of switching devices and components  10.9 Insulation properties  10.9.4 Power-frequency electric strength  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  10.15 Electromagnetic compatibility  10.15 Electromagnetic compatibility  10.15 Electromagnetic compatibility  10.15 Electromagnetic compatibility				
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10.22 Strength of materials and parts  10.22 Corrosion resistance  10.23.1 Verification of thermal stability of enclosures  10.23.2 Verification of resistance of insulating materials to normal heat 10.23.3 Verification of resistance of insulating materials to abnormal heat and fire due to internal electric effects  10.24 Resistance to ultra-violet (UV) radiation  10.25 Lifting  10.26 Mechanical impact 10.27 Inscriptions  10.29 Inscriptions  10.30 Degree of protection of ASSEMBLIES 10.40 Renarces and creepage distances 10.40 Frotection against electric shock 10.5 Protection against electric shock 10.6 Incorporation of switching devices and components 10.7 Internal electrical circuits and connections 10.9 Insulation properties 10.9 Power-frequency electric strength 10.9 Insulation properties 10.9.4 Testing of anclosures made of insulating material 10.10 Temperature rise 10.10 Temperature rise 10.11 Short-circuit rating 10.12 Electromagnetic compatibility 10.15 Lectromagnetic compatibility 10.16 Lectromagnetic compatibility 10.16 Lectromagnetic compatibility 10.16 Lectromagnetic compatibility 10.17 Lectromagnetic compatibility 10.18 Lectromagnetic compatibility 10.19 Lectromagnetic compatibility 10.10 Lectromagnetic compatibility 10.10 Lectromagnetic compatibility 10.10 Lectromagnetic compatibility 10.11 Electromagnetic compatibility 10.12 Electromagnetic compatibility 10.13 Electromagnetic compatibility 10.14 Electromagnetic compatibility 10.15 Lectromagnetic compatibility 10.15 Lectromagnetic compatibility 10.16 Lectromagnetic compatibility 10.16 Lectromagnetic compatibility 10.16 Lectromagnetic compatibility 10.17 Lectromagnetic compatibility 10.18 Lectromagnetic compatibility 10.18 Lectromagnetic compatibility 10.19 Lectromagnetic compatibility 10.10 Lectromagnetic compatibility 10.10 Lectromagnetic compatibility 10.10 Lectromagnetic compatibility 10.10 Lectromagnetic	Middle enclosure for wall mounting	$P_V$	CO	34
10.2.2 Corrosion resistance  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  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  10.2.6 Mechanical impact  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  10.9 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.  10.13 Is the panel builder's responsibility.  10.14 Is the panel builder's responsibility.  10.15 Incorporation of enclosures made of insulating material  10.16 Incorporation of exception of ex	IEC/EN 61439 design verification			
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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  10.7 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.  Is the panel builder's responsibility.  Is 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  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 is responsibility.	10.2.5 Lifting			$10\ kg$ per enclosure with support frame and lifting aid met; assembled and secured as per the latest applicable instruction leaflet.
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.	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  10.11 Short-circuit rating  10.12 Electromagnetic compatibility  Is the panel builder's responsibility.  Is the panel builder is responsibility.  Is the panel builder is responsibility.  Is the panel builder is responsibility.  Is the panel builder's responsibility.	10.2.7 Inscriptions			Meets the product standard's requirements.
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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.	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.
10.9.2 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  10.12 Electromagnetic compatibility  10.15 Insulation properties  U <sub>i</sub> = 1000 V AC  8 kV  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.  Is the panel builder's responsibility.  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  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.
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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.	10.9.2 Power-frequency electric strength			U <sub>i</sub> = 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**



## **Additional product information (links)**

AWA3200-0572 Gland plates	
AWA3200-0572 Gland plates	ftp://ftp.moeller.net/DOCUMENTATION/AWA_INSTRUCTIONS/05720588.pdf
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