

Insulated enclosure, HxWxD=160x100x145mm, +mounting rail

Powering Business Worldwide*

Part no. CI-K2H-145-TS Article no. 229305

Delivery program

Delivery program		
Product range Product range		CI-K small enclosures
Basic function		Basic enclosures
Product function		CI-K empty enclosures
Single unit/Complete unit		Single unit
Degree of Protection		Front IP65 IP65, with push-through cable entry
Degree of Protection		Front IP65 IP65, with push-through cable entry
Material		Glass-fibre reinforced polycarbonate
Colour		Enclosure base RAL 9005, black Operator only RAL 7035, light gray
Description		Metric cable entry knockouts top, bottom and in the back plate Control cable entry Lamp indicator L can be mounted in base knock-out M20/M25
Cable entry		hard knockout version
Dimensions		
Width	mm	100
Height	mm	160
Depth	mm	145
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	mm	145
Mounting depth for mounting rail 7.5 mm height	mm	118
Features		With mounting rail to IEC/EN 60715

Notes



Knockouts

2 X M25 or push-through membrane up to max. $^{ extstyle Q}$ 16 mm

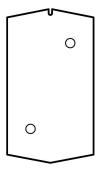


q



Knockouts

 $2\,x\,M25$ or push-through membrane up to a max. diameter of 16 mm and 1 push-through membrane up to a max. diameter of 8 mm



Back plate:

Standards

2 x push-through membrane up to max. (not for CI-K2H)

Technical data General

Deprese of Protection Color	Standards		DIN EN 62208
Degree of Protection Power loss Macs radiated heat dissipation with separate mounting, ambient air memorature : 20°C Material Macs radiated heat dissipation with separate mounting, ambient air memorature : 20°C Material Base Coor Surface treatment Colour Base	Climatic proofing		
Power loss Max radiated heat dissipation with separate mounting, ambient air war parature 20°C Max radiated heat dissipation with separate mounting, ambient air war parature 20°C Material Characteristics Material Base Cover Cov	Ambient temperature	°C	
Max. radiated heat dissipation with separate mounting, ambient air variety var	Degree of Protection		
Material Characteristics Material Characteristics Base Cover Gale Gisss-fibre reinforced polycarbonate Cover Gale Gisss-fibre reinforced polycarbonate Colour Golour Gale Gale Gisss-fibre reinforced polycarbonate Colour Gale Gale Gale Gale Gale Gale Gale Gale	Power loss		
Material Base Gover Glass-fibre reinforced polycarbonate Glass-fibre reinforced polycarbon		W	18.5
Base Cover Glass-fibre reinforced polycarbonate	Material characteristics		
Cover Surface treatment Surface Surfac	Material		
Surface treatment Colour Base Housing body Rall 9005, black (matt) Housing body Raterial properties Electrical Track resistance In IEC 60093 In IEC	Base		Glass-fibre reinforced polycarbonate
Colour Base RAL 9005, black (matt) Housing body Material properties Electrical Track resistance to IEC 60093 Dielectric strength to IEC 60093 Dielectric strength to IEC 60093 Temperature resistant Impact resistance Impact resistance Mounting plate Mounting rail Mounting rail Chemical resistance Chemical resistance Chemical resistance Aurona signature Aurona signature Aurona signature Saline spray UV resistance Saline spray Water consumption to DIN EN ISO 62 **A RAL 9005, black (matt) **Enclosure cover RAL 7035, light grey (matt) **A RAL 9005, black (matt) **Enclosure resistance to IEC 60093 **O x 10 ¹³ **I Tit floate, to IEC 60112) **CT 175 (base, to IEC 60012) **CT 175 (base, to	Cover		Glass-fibre reinforced polycarbonate
Base Housing body Material properties Electrical Track resistance Track re	Surface treatment		Resistant to corrosion
Housing body Material properties Electrical Track resistance Surface resistance to IEC 60093 Dielectric strength to IEC 60243-1 Thermal Temperature resistant Impact resistance Mounting plate Mounting plate Mounting rail Chemical resistant Chemical resista	Colour		
Material properties	Base		RAL 9005, black (matt)
Electrical Track resistance Surface resistance to IEC 60033 Dielectric strength to IEC 60243-1 Temperature resistant Temperature resistant Mechanical Impact resistance Mounting plate Mounting rail Chemical resistant Chemical resistant Authors particular sesistant Authors particular sesistant to: Acids > 10 %, alcohol Not resistant cis alkaiis, benzene, salt solutions Partir y resistant to: Acids > 10 %, alcohol Not resistant cis alkaiis, benzene, salt solutions Partir y resistant to: Acids > 10 %, greases, benzene Not resistant cis alkaiis, benzene, salt solutions Partir y resistant to: Acids > 10 %, greases, benzene Not resistant cis alkaiis, benzene, salt solutions Partir y resistant to: Acids > 10 %, greases, benzene Not resistant cis alkaiis, benzene, salt solutions Partir y resistant to: Acids > 10 %, greases, benzene Not resistant cis alkaiis, benzene, salt solutions Partir y resistant to: Acids > 10 %, greases, benzene Not resistant cis alkaiis, benzene, salt solutions Partir y resistant to: Acids > 10 %, greases, benzene Not resistant cis alkaiis, benzene, salt solutions Partir y resistant to: Acids > 10 %, greases, benzene Not resistant cis alkaiis, benzene, salt solutions Partir y resistant to: Acids > 10 %, greases, benzene Not resistant cis alkaiis, benzene, salt solutions Partir y resistant to: Acids > 10 %, greases, benzene Not resistant cis alkaiis, benzene, salt solutions Partir y resistant to: Acids > 10 %, greases, benzene Not resistant cis alkaiis, benzene, salt solutions Partir y resistant to: Acids > 10 %, greases, benzene Not resistant cis alkaiis, benzene, salt solutions Partir y resistant to: Aci	Housing body		Enclosure cover RAL 7035, light grey (matt)
Track resistance Surface resistance to IEC 60093 Dielectric strength to IEC 60243-1 Thermal Temperature resistant Impact resistance Impact resistance Mechanical Impact resistance Mounting plate Mounting rail Chemical resistant Chemical resistant Chemical resistant About the strength of IEC 60243-1 About the strengt	Material properties		
Surface resistance to IEC 60083 0 x 10 ¹³ 1 Dielectric strength to IEC 60243-1 Temperature resistant Temperature resistant Mechanical Impact resistance	Electrical		
Dielectric strength to IEC 60243-1 Temperature resistant Temperature resistant Temperature resistant Mechanical Inpact resistance Inpact resistance Mounting plate Mounting rail Chemical resistance Chemical resistance Chemical resistance Amounting rail Amounting rail Chemical resistance Chemic	Track resistance		
Temperature resistant Temperature resistant Temperature resistant Temperature resistant Mechanical Impact resistance Impact resistance Mounting plate Mounting rail Chemical resistance Chemical resistant Temperature resistant Atmospheric Saline spray UV resistance Temperature resistant Atmospheric Saline spray Water consumption to DIN EN ISO 62 Temperature resistant Atmospheric Temperature resistant Atmospheric Saline spray Water consumption to DIN EN ISO 62 Temperature resistant Atmospheric Atmospheric Saline spray Water consumption to DIN EN ISO 62 Temperature resistant Adv C - 120 °C (enclosure) -40 °C - 120 °C (enclosure) -40 °C - 180 °C (gasket) IKO6 according to EN 50102 IKO6 acc	Surface resistance to IEC 60093	$\Omega \times 10^{13}$	1
Temperature resistant Ad °C - 120 °C (enclosure) -40 °C - +80 °C (gasket) Mechanical Impact resistance Impact resistance Mounting plate Mounting rail Chemical resistance Chemical resistant Chemical resistant Authorspheric Saline spray UV resistance Water consumption to DIN EN ISO 62 A c °C - 120 °C (enclosure) -40 °C - +80 °C (gasket) IKO6 according to EN 50102 IKO6 according t	Dielectric strength to IEC 60243-1	kV/mm	30
Adv C - 480 °C (gasket) Adv C - 480 °C (gasket)	Thermal		
Impact resistance max. assembly weights Mounting plate Mounting rail Chemical resistance Chemical resistant Chemical resis	Temperature resistant		
Mounting plate kg 0.7 Mounting rail kg 0.7 Chemical resistance Chemical resistant Resistant against: Acids < 10 %, mineral oil, alcohol, gasoline, greases, salt solutions Partly resistant to: Akdis > 10 %, alcohol Not resistant to: Alkalis, benzene Push-through membrane (CI-K/ICI-KZ) and sealing material Resistant against: Acids < 10 %, alkalis, benzene, salt solutions Partly resistant to: Alkalis, benzene Not resistant to: Acids > 10 %, greases, benzene Not resistant to: Acids < 10 %, alkalis, benzene, salt solutions Partly resistant to: Acids < 10 %, greases, benzene Not resistant to: Acids < 10 %, greases, benzene Not resistant to: Acids < 10 %, greases, benzene Not resistant to: Acids < 10 %, greases, benzene Not resistant to: Acids < 10 %, greases, benzene Not resistant to: Acids < 10 %, greases, benzene Not resistant to: Acids < 10 %, greases, benzene Not resistant to: Acids < 10 %, greases, benzene Not resistant to: Acids < 10 %, greases, benzene Not resistant to: Acids < 10 %, greases, benzene Not resistant to: Acids < 10 %, greases, benzene Not resistant to: Acids < 10 %, greases, benzene Not resistant to: Acids < 10 %, greases, benzene Not resistant to: Acids < 10 %, greases, benzene Not resistant to: Acids < 10 %, greases, benzene Not resistant to: Acids < 10 %, greases, salt solutions Partly resistant to: Acids < 10 %, greases, salt solutions Partly resistant to: Acids < 10 %, greases, salt solutions Partly resistant to: Acids < 10 %, greases, salt solutions partly resistant to: Acids < 10 %, greases, salt solutions partly resistant to: Acids < 10 %, greases, salt solutions partly resistant to: Acids < 10 %, greases, salt solutions partly resistant to: Acids < 10 %, greases, salt solutions partly resistant to: Acids < 10 %, greases, salt solutions partly resistant to: Acids < 10 %, greases, salt solutions partly resistant to: Acids < 10 %, greases, salt solutions partly resistant to: Acids < 10 %, greases, salt solutions partly resistant to: Acids < 10 %, greases, salt solutions partly resistant	Mechanical		
Mounting rail kg 0.7 Chemical resistance Chemical resistant Chemical resistant Share Cover Resistant against: Acids < 10 %, mineral oil, alcohol, gasoline, greases, salt solutions Partly resistant to: aklalis, benzene Push-through membrane (CI-KI/CI-K2) and sealing material Resistant against: Acids < 10 %, alkalis, benzene, salt solutions Partly resistant to: Akids > 10 %, alkalis, benzene, salt solutions Partly resistant to: Mineral oil, benzene Not resistant to: Mineral oil, benzene Saline spray IEC 60068-2-11 UV resistance Beneath protective shield Water consumption to DIN EN ISO 62 % 0.29	Impact resistance		IK06 according to EN 50102
Mounting rail Chemical resistance Chemical resistant Chemical resistant Chemical resistant Base, Cover Resistant against: Acids < 10 %, mineral oil, alcohol, gasoline, greases, salt solutions Partly resistant to: Akidis, benzene Push-through membrane (CI-KI/CI-K2) and sealing material Resistant against: Acids < 10 %, alkalis, benzene, salt solutions Partly resistant to: Akidis < 10 %, greases, benzene Not resistant to: Mineral oil, benzene Saline spray IEC 60068-2-11 UV resistance Water consumption to DIN EN ISO 62 % 0.29	max. assembly weights		
Chemical resistant Chemical resistant Chemical resistant Base, Cover Resistant against: Acids < 10 %, mineral oil, alcohol, gasoline, greases, salt solutions Partly resistant to: Acids > 10 %, alcohol Not resistant to: alkalis, benzene Push-through membrane (CI-K1/CI-K2) and sealing material Resistant against: Acids < 10 %, alcohol Not resistant to: alkalis, benzene Push-through membrane (OI-K1/CI-K2) and sealing material Resistant against: Acids < 10 %, alcohol Not resistant to: alkalis, benzene Push-through membrane (OI-K1/CI-K2) and sealing material Resistant against: Acids < 10 %, mineral oil, alcohol, gasoline, greases, salt solutions Partly resistant to: Acids > 10 %, greases, benzene Not resistant to: Mineral oil, benzene IEC 60068-2-11 UV resistance Beneath protective shield O.29	Mounting plate	kg	0.7
Chemical resistant Base, Cover Resistant against: Acids < 10 %, mineral oil, alcohol, gasoline, greases, salt solutions Partly resistant to: Acids > 10 %, alcohol Not resistant to: alkalis, benzene Push-through membrane (CI-KI/CI-K2) and sealing material Resistant against: Acids < 10 %, alkalis, benzene, salt solutions Partly resistant to: Acids > 10 %, alkalis, benzene, salt solutions Partly resistant to: Mineral oil, benzene Not resistant to: Mineral oil, benzene EC 60068-2-11 UV resistance Water consumption to DIN EN ISO 62 % 0.29	Mounting rail	kg	0.7
Resistant against: Acids < 10 %, mineral oil, alcohol, gasoline, greases, salt solutions Partly resistant to: Acids > 10 %, alcohol Not resistant to: alkalis, benzene Push-through membrane (CI-KI/CI-K2) and sealing material Resistant against: Acids < 10 %, alkalis, benzene, salt solutions Partly resistant to: Acids > 10 %, greases, benzene Not resistant to: Mineral oil, benzene Saline spray IEC 60068-2-11 UV resistance Beneath protective shield Water consumption to DIN EN ISO 62 % 0.29	Chemical resistance		
Saline spray IEC 60068-2-11 UV resistance Beneath protective shield Water consumption to DIN EN ISO 62 % 0.29			Resistant against: Acids < 10 %, mineral oil, alcohol, gasoline, greases, salt solutions Partly resistant to: Acids > 10 %, alcohol Not resistant to: alkalis, benzene Push-through membrane (CI-K1/CI-K2) and sealing material Resistant against: Acids < 10 %, alkalis, benzene, salt solutions Partly resistant to: Acids > 10 %, greases, benzene
UV resistance Beneath protective shield Water consumption to DIN EN ISO 62 % 0.29	Atmospheric		
Water consumption to DIN EN ISO 62 % 0.29			IEC 60068-2-11
	UV resistance		Beneath protective shield
Flammability characteristics	Water consumption to DIN EN ISO 62	%	0.29
	Flammability characteristics		

IEC/EN 60529

Glow wire test	
Flammability characteristics	960 °C/1mm thickness (base, cover; glow wire to VDE 0471 Part 2) 650 °C/1mm thick (push-through membrane and seal material) to VDE 0471 Part 2)
to UL 94	V0/1.5 mm thickness
to UL 94	нв
Halogen free	Yes

Design verification as per IEC/EN 61439

Operating ambient temperature max. Degrae of Protection Max, radiated heat disapseton with separate mounting, ambient air remperature. 20° C Finant IPS5 Finant	Design vernication as per ieg/en 01455		
Operating ambient temperature max. Degrace of Protection Max. radiated heart dissipation with separate mounting, ambient air semperature 20° C Femmebility characteristics Track resistance Track resistance CTI 75 (base, 100 EG 60172) CTI 175 (base, 100 EG 60172) CTI 17	Technical data for design verification		
Degree of Protection Mex. redicted heat dissipation with separate mounting, ambient air temperature re-20°C Fammability characteristics Separature re-20°C Fammability characteristics Separature re-20°C Fammability characteristics Separature re-20°C Track resistance CTI 175 (bose, no IEC 60112) Surface treatment Resistant to corresion Resistant to corre	Operating ambient temperature min.	°C	-25
Max. radiated heart dissipation with separate mounting, ambient air many rature +20 °C. Flammability characteristics Surface treatment Impact resistance CT 175 (base, to EC 60112) CT 175 (base, to EC 6012) CT 175 (base, to EC 6012) CT 175 (base, t	Operating ambient temperature max.	°C	70
remperature -20°C Flammability characteristics \$86 °C/Imm thick (posh-through membrane and seal material) to VDE D471 Part 2) 586 °C/Imm thick (posh-through membrane and seal material) to VDE D471 Part 2 587 Fack resistance \$87 Carrier (1715 (cover, to LE 60112) 587 Face treatment \$88 Factor (1715 (cover, to LE 60112) 587 Face treatment \$88 Factor (1715 (cover, to LE 60112) 588 Factor (1715 (cover, to LE 60112) 588 Factor (1715 (cover, to LE 60112) 589 Factor (1715 (cover, to LE	Degree of Protection		
Track resistance CTI 175 (base, to, IEC 60112) Surface treatment Resistance CTI 175 (base, to, IEC 60112) Surface treatment Resistance CTI 175 (base, to, IEC 60112) Impact resistance IKGG according to EN 50102 Impact resistance IKGG according to EN 50102 IV resistance Beneath protective shield Resistance of Insulation and Insulation Insulation Insulation Insulation Insulation Insulation Insulation Insul		W	18.5
Surface treatment Impact resistance Impact resistance Impact resistance IV requirements IV resistance resistance of insulating materials to abnormal heat and fire due to internal electric effects IV resistance of insulating materials to abnormal heat and fire due to internal electric effects IV resistance to ultra-violet (UV) radiation IV resistance to ultra-violet (UV) radiation IV resistance to ultra-violet (UV) radiation IV resistance of insulating materials to abnormal heat and fire due to internal electric effects IV resistance in ultra-violet (UV) radiation IV resistance of insulating materials to abnormal heat and fire due to internal electric effects IV resistance of ultra-violet (UV) radiation IV resistance of insulating materials to abnormal heat and fire due to internal electric effects IV resistance of ultra-violet (UV) radiation IV resistance of insulation resistance of insulation resistance of insulation resistan	Flammability characteristics		960 °C/1mm thickness (base, cover; glow wire to VDE 0471 Part 2) 650 °C/1mm thick (push-through membrane and seal material) to VDE 0471 Part 2)
Impact resistance Temperature resistant -40 °C - 120 °C (calcisure) -40 °C (calcisure) -4	Track resistance		
Temperature resistant UV resistance Beneath protective shield 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 abnormal heat 10.2.3 Verification of resistance of insulating materials to abnormal heat 10.2.3 Verification of resistance of insulating materials to abnormal heat 10.2.3 Verification of resistance of insulating materials to abnormal heat 10.2.3 Verification of resistance of insulating materials to abnormal heat 10.2.3 Verification of resistance of insulating materials to abnormal heat 10.2.4 Resistance to ultra-violet (UV) radiation 10.2.5 Lifting 10.2.6 Mechanical impact 10.2.7 Inscriptions Meets the product standard's requirements. 10.3 Degree of protection of ASSEMBLIES Meets the product standard's requirements. 10.4 Clearances and creepage distances Meets the product standard's requirements. 10.5 Protection against electric shock Is the panel builder's responsibility. 10.6 Incorporation of switching devices and components 10.7 Internal electric clicruits 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 Is the panel builder's responsibility. 10.9 Impulses withstand voltage 10.9.4 Testing of enclosures made of insulating material Meets the product standard's requirements. Meets the product standard's requirements. Meets the panel builder's responsibility. Is the panel builder's	Surface treatment		Resistant to corrosion
UV resistance ECCEN 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 resistance of insulating materials to normal heat and fire due to internal electric offects 10.2.3.2 Verification of resistance of insulating materials to abnormal heat and fire due to internal electric offects 10.2.3.4 Resistance to ultra-violet (UV) radiation 10.2.5 Lifting Not applicable. 10.2.5 Lifting Not applicable. 10.2.5 Lifting Not applicable. 10.2.6 Mechanical impact 10.2.7 Inscriptions Meets the product standard's requirements. 10.2.7 Inscriptions Meets the product standard's requirements. 10.3.0 Egree of protection of ASSEMBLIES Meets the product standard's requirements. 10.4.1 Clearances and creepage distances Meets the product standard's requirements. Is the panel builder's responsibility. Is the panel builder's responsibility. 10.5 Incorporation of switching devices and components 10.5 Connections for external conductors 10.8 Epanel builder's responsibility. 10.9 Insulation properties 10.9 Power-frequency electric strength 10.9 A Testing of enclosures made of insulating material Meets the panel builder's responsibility. 10.9 Insulation properties The panel builder's responsibility. 10.1 Temperature rise The panel builder's responsibility. 10.1 Temperature rise The panel builder's responsibility. 10.2 Electromagnetic compatibility 10.3 Meets the product standard's requirements. 10.1 Temperature rise The pan	Impact resistance		IK06 according to EN 50102
EC/EN 61439 design verification 10.2 Strength of materials and parts 10.2.3 Everification of thermal stability of enclosures 10.2.3.1 Verification of thermal stability of enclosures 10.2.3.2 Verification of resistance of insulating materials to normal heat and fire due to internal electric effects 10.2.3.2 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 Litting 10.2.6 Mechanical impact 10.2.6 Mechanical impact 10.2.7 Inscriptions 10.3.0 Egree of protection of ASSEMBLIES 10.4 Clearances and creepage distances 10.5 Incorporation of switching devices and components 10.5 Incorporation of switching devices and components 10.5 Incorporation of switching devices and components 10.8 Connections for external conductors 10.9 Insulation properties 10.9.4 Testing of enclosures made of insulating material 10.1 Termal electric al circuits and connections 10.3 Impulse withstand voltage 10.9.4 Testing of enclosures made of insulating material 10.10 Temperature rise 10.10 Temperature rise 10.10 Temperature rise 10.11 Short-circuit rating 10.12 Electromagnetic compatibility 10.13 Mechanical function 10.15 The device mets the requirements. 10.16 Temperature rise calculation. Eaton will provide the still provide the devices. 10.11 Electromagnetic compatibility 10.12 Electromagnetic compatibility 10.13 Mechanical function 10.10 Temperature rise panel builder's responsibility. Is the panel builder's responsibility. It is the panel builder's responsi	Temperature resistant		
10.2 Strength of materials and parts 10.2 Corrosion resistance 10.2.3 I Verification of thermal stability of enclosures 10.2.3 Verification of resistance of insulating materials to normal heat 10.2.3 Verification of resistance of insulating materials to normal heat 10.2.3 Verification of resistance of insulating materials to abnormal heat and fire due to intermal electric effects 10.2.4 Resistance to ultra-violet (UV) radiation 10.2.5 Lifting 10.2.6 Mechanical impact 10.2.7 Inscriptions 10.2.7 Inscriptions 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 Protection against electric shock 10.6 Incorporation of switching devices and components 10.7 Internal electrical circuits and connections 10.9 Connections for external conductors 10.9 Insulation properties 10.9.2 Power-frequency electric strength 10.9 Insulation properties 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 Mechanical function 10.13 Mechanical function 10.13 Mechanical function 10.13 Mechanical function 10.14 Mechanical function 10.15 Mechanical function 10.16 Meets the product standard's requirements. 10.17 Meets the product standard's requirements. 10.18 the panel builder's responsibility. 10.9 Insulation properties 10.10 Temperature rise 10.11 Short-circuit rating 10.12 Electromagnetic compatibility 10.13 Mechanical function 10.13 Mechanical function 10.14 Mechanical function 10.15 Mechanical function 10.16 Meets the product standard's requirements. 10.17 Meets the product standard's requirements. 10.18 Meets the product standard's requirements. 10.19 Insulation properties 10.10 Temperature rise 10.11 Short-circuit rating 10.12 Electromagnetic compatibility 10.13 Mechanical function 10.14 Meets the product standard's requirements. 10.15 Meets the product standard's requirements. 10.16 Meets the product standard's requirements. 10.17 Meets the product st	UV resistance		Beneath protective shield
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 normal heat 10.2.3.2 Verification of resistance of insulating materials to abnormal heat 10.2.3.3 Verification of resistance of insulating materials to abnormal heat 10.2.4 Resistance to ultra-violet (UV) radiation 10.2.5 Lifting 10.2.6 Mechanical impact 10.2.7 Inscriptions 10.2.9 Inscriptions 10.3.0 Degree of protection of ASSEMBLIES 10.4 Clearances and creepage distances 10.5 Protection against electric shock 10.5 Protection against electric shock 10.6 Incorporation of switching devices and components 10.7 Internal electrical circuits and connections 10.8 Connections for external conductors 10.9 Insulation properties 10.9.1 Suppose the product standard's requirements. 10.9 Insulation properties 10.10 Temperature rise esponsibility. 10.11 Short-circuit rating 10.12 Electromagnetic compatibility 10.13 Mechanical function Meets the product standard's requirements. Meets the product standard's requirements. Is the panel builder's responsibility. Is the panel builder's responsibility. The specifications for the switchgear must to observed. Is the panel builder's responsibility. The specifications for the switchgear must to observed. In the device meets the requirements, provided the information in the instruction. The device meets the product standard's requirements.	IEC/EN 61439 design verification		
10.2.3.1 Verification of thermal stability of enclosures 10.2.3.2 Verification of resistance of insulating materials to normal heat and fire due to internal electric effects 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 Mechanical impact 10.2.5 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 10.8 Connections for external conductors 10.9 Insulation properties 10.9.1 Suppose the panel builder's responsibility. 10.9 Insulation properties 10.9.2 Power-frequency electric strength 10.9.3 Impulse withstand voltage 10.9.1 The panel builder's responsibility. 10.9 Insulation properties 10.9.1 The panel builder's responsibility. 10.9 Insulation properties 10.9.1 Electromagnetic compatibility 10.9 Insulation properties 10.10 Temperature rise 10.10 Temperature rise 10.11 Short-circuit rating 10.12 Electromagnetic compatibility 10.13 Mechanical function 10.13 Mechanical function 10.14 Mechanical function 10.15 Mechanical function 10.16 Incorporation of the information in the instruction	10.2 Strength of materials and parts		
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 10.2.7 Inscriptions 10.3 Degree of protection of ASSEMBLIES 10.4 Clearances and creepage distances 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 10.8 Connections for external conductors 10.9 Insulation properties 10.9.2 Power-frequency electric strength 10.9 Insulation properties 10.9.1 Temperature rise 10.10 Temperature rise 10.10 Temperature rise 10.11 Short-circuit rating 10.12 Electromagnetic compatibility 10.13 Mechanical function Meets the product standard's requirements. Meets the product standard's requirements. Meets the product standard's requirements. Meets the product standard's requirements. Is the panel builder's responsibility. Is the panel builder's responsibility. The specifications for the switchgear must to observed. Is the panel builder's responsibility. The specifications for the switchgear must to observed. In the device meets the requirements, provided the information in the instruction	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 10.2.6 Mechanical impact 10.2.7 Inscriptions 10.3.0 Egree 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 10.13 Mechanical function Meets the product standard's requirements. Meets the product standard's requirements. Meets the product standard's requirements. Is the panel builder's responsibility. In panel builder's responsibility. The specifications for the switchgear must to observed. In the panel builder's responsibility. The specifications for the switchgear must to observed. In the device meets the requirements, provided the information in the instruction	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 Not applicable. Not applicable. 10.2.6 Mechanical impact Meets the product standard's requirements. 10.2.7 Inscriptions Meets the product standard's requirements. 10.3 Degree of protection of ASSEMBLIES Meets the product standard's requirements. 10.4 Clearances and creepage distances Meets the product standard's requirements. 10.5 Protection against electric shock Is the panel builder's responsibility. 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. 10.9 Insulation properties 10.9.2 Power-frequency electric strength 10.9.3 Impulse withstand voltage Is the panel builder's responsibility. 10.9.4 Testing of enclosures made of insulating material Meets the product standard's requirements. 10.10 Temperature rise 10.10 Temperature rise Is the panel builder's responsibility. 10.11 Short-circuit rating Is the panel builder's responsibility. The specifications for the switchgear must be observed. 10.12 Electromagnetic compatibility 10.13 Mechanical function The device meets the requirements, provided the information in the instruction	10.2.3.2 Verification of resistance of insulating materials to normal heat		Meets the product standard's requirements.
10.2.5 Lifting 10.2.6 Mechanical impact Meets the product standard's requirements. 10.2.7 Inscriptions Meets the product standard's requirements. 10.3 Degree of protection of ASSEMBLIES Meets the product standard's requirements. 10.4 Clearances and creepage distances Meets the product standard's requirements. 10.5 Protection against electric shock Is the panel builder's responsibility. 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 Is the panel builder's responsibility. 10.9.3 Impulse withstand voltage Is the panel builder's responsibility. 10.9.4 Testing of enclosures made of insulating material Meets the product standard's requirements. 10.10 Temperature rise The panel builder is responsibility. The specifications for the switchgear must be observed. 10.12 Electromagnetic compatibility Is the panel builder's responsibility. The specifications for the switchgear must be observed. 10.13 Mechanical function The device meets the requirements, provided the information in the instruction			Meets the product standard's requirements.
10.2.6 Mechanical impact 10.2.7 Inscriptions Meets the product standard's requirements. 10.3 Degree of protection of ASSEMBLIES Meets the product standard's requirements. 10.4 Clearances and creepage distances Meets the product standard's requirements. 10.5 Protection against electric shock Is the panel builder's responsibility. 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 10.9.3 Impulse withstand voltage Is the panel builder's responsibility. 10.9.4 Testing of enclosures made of insulating material Meets the product standard's requirements. 10.10 Temperature rise The panel builder is responsibility. 10.11 Short-circuit rating Is the panel builder's responsibility. The specifications for the switchgear must be observed. 10.12 Electromagnetic compatibility Is the panel builder's responsibility. The specifications for the switchgear must be observed. 10.13 Mechanical function The device meets the requirements, provided the information in the instruction	10.2.4 Resistance to ultra-violet (UV) radiation		Please enquire
10.2.7 Inscriptions Meets the product standard's requirements. 10.3 Degree of protection of ASSEMBLIES Meets the product standard's requirements. Is the panel builder's responsibility. 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 10.9.3 Impulse withstand voltage Is the panel builder's responsibility. 10.94 Testing of enclosures made of insulating material Meets the product standard's requirements. 10.10 Temperature rise The panel builder is responsibility requirements. 10.11 Short-circuit rating Is the panel builder's responsibility. The specifications for the switchgear must to observed. 10.12 Electromagnetic compatibility The device meets the requirements, provided the information in the instruction	10.2.5 Lifting		Not applicable.
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 10.13 Mechanical function Meets the product standard's requirements. Meets the product standard's responsibility. Is the panel builder's responsibility. Meets the product standard's requirements. The panel builder is responsibility. Is the panel builder is responsibility. The panel builder is responsibility. The specifications for the switchgear must be observed. 10.13 Mechanical function The device meets the requirements, provided the information in the instruction	10.2.6 Mechanical impact		Meets the product standard's requirements.
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 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 Mechanical function Meets the product standard's requirements. The device meets the requirements, provided the information in the instruction	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 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 Mechanical function Is the panel builder's responsibility. Is the panel builder's responsibility. 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. The specifications for the switchgear must be observed. Is the panel builder's responsibility. The specifications for the switchgear must be observed. In the device meets the requirements, provided the information in the instruction.	10.3 Degree of protection of ASSEMBLIES		Meets the product standard's requirements.
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 10.13 Mechanical function Is the panel builder's responsibility. Meets the product standard's requirements. The panel builder is responsibility. The specifications for the switchgear must be observed. 10.13 Mechanical function The device meets the requirements, provided the information in the instruction	10.4 Clearances and creepage distances		Meets the product standard's requirements.
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 10.13 Mechanical function Is the panel builder's responsibility. Meets the product standard's requirements. The panel builder is responsibility or the temperature rise calculation. Eaton will provide heat dissipation data for the devices. Is the panel builder's responsibility. The specifications for the switchgear must be observed. 10.13 Mechanical function The device meets the requirements, provided the information in the instruction	10.5 Protection against electric shock		Is the panel builder's responsibility.
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 10.13 Mechanical function Is the panel builder's responsibility. 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. The specifications for the switchgear must be observed. 10.13 Mechanical function The device meets the requirements, provided the information in the instruction	10.6 Incorporation of switching devices and components		Is the panel builder's responsibility.
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 Mechanical function Is the panel builder's responsibility. 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. The specifications for the switchgear must be observed. Is the panel builder's responsibility. The specifications for the switchgear must be observed. The device meets the requirements, provided the information in the instruction	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 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 Mechanical function Is the panel builder's responsibility. 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. The specifications for the switchgear must be observed. 10.13 Mechanical function The device meets the requirements, provided the information in the instruction	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 10.10 Temperature rise 10.11 Short-circuit rating 10.12 Electromagnetic compatibility 10.13 Mechanical function Is the panel builder's responsibility. The specifications for the switchgear must be observed. 10.13 Mechanical function Is the panel builder's responsibility. The specifications for the switchgear must be observed. 10.12 Electromagnetic compatibility The device meets the requirements, provided the information in the instruction	10.9 Insulation properties		
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. Is the panel builder's responsibility. The specifications for the switchgear must be observed. 10.12 Electromagnetic compatibility Is the panel builder's responsibility. The specifications for the switchgear must be observed. 10.13 Mechanical function The device meets the requirements, provided the information in the instruction	10.9.2 Power-frequency electric strength		Is the panel builder's responsibility.
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. The specifications for the switchgear must be observed. 10.12 Electromagnetic compatibility Is the panel builder's responsibility. The specifications for the switchgear must be observed. 10.13 Mechanical function The device meets the requirements, provided the information in the instruction	10.9.3 Impulse withstand voltage		Is the panel builder's responsibility.
provide heat dissipation data for the devices. 10.11 Short-circuit rating Is the panel builder's responsibility. The specifications for the switchgear must be observed. 10.12 Electromagnetic compatibility Is the panel builder's responsibility. The specifications for the switchgear must be observed. 10.13 Mechanical function The device meets the requirements, provided the information in the instruction	10.9.4 Testing of enclosures made of insulating material		Meets the product standard's requirements.
observed. 10.12 Electromagnetic compatibility Is the panel builder's responsibility. The specifications for the switchgear must be observed. 10.13 Mechanical function The device meets the requirements, provided the information in the instruction	10.10 Temperature rise		
observed. 10.13 Mechanical function The device meets the requirements, provided the information in the instruction	10.11 Short-circuit rating		Is the panel builder's responsibility. The specifications for the switchgear must be observed.
	10.12 Electromagnetic compatibility		Is the panel builder's responsibility. The specifications for the switchgear must be observed.
	10.13 Mechanical function		

Technical data ETIM 6.0

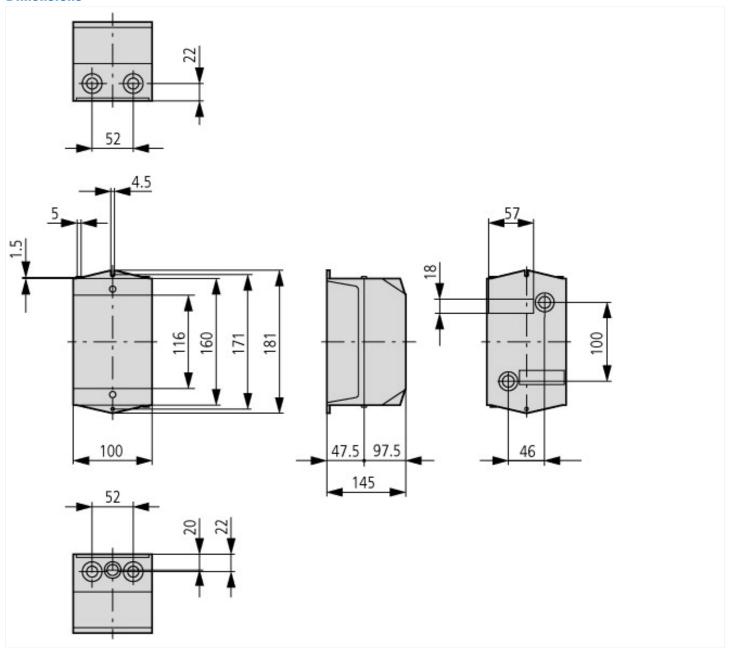
Low-voltage industrial components (EG000017) / Empty enclosure for switchgear (EC000712)

Electric engineering, automation, process control engineering / Low-voltage switch technology / Component for low-voltage switching technology / Empty housing for switch devices (eci@ss8.1-27-37-13-01 [AKN343011])

(ecl@ss8.1-27-37-13-01 [AKN343011])		
Material housing		Plastic
Width	mm	100

Height	mm	160
Depth	mm	145
With transparent cover		No
Suitable for emergency stop		Yes
Model		Surface mounting
Degree of protection (IP)		IP65

Dimensions



Additional product information (links)

IL01502081Z (AWA3210-1735) Insulated small enclosures

IL01502081Z (AWA3210-1735) Insulated small enclosures

ftp://ftp.moeller.net/DOCUMENTATION/AWA_INSTRUCTIONS/IL01502081Z2015_11.pdf