# **DATASHEET - CI-K1-95-TS**



#### Insulated enclosure, HxWxD=120x80x95mm, +mounting rail



Part no. CI-K1-95-TS Catalog No. 206881

**EL-Nummer** (Norway)

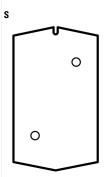
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Delivery program		
Product range		CI-K small enclosures
Basic function		Basic enclosures
Product function		CI-K empty enclosures
Single unit/Complete unit		Single unit
Degree of Protection		Front IP65 IP65, with push-through cable entry
Degree of Protection		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 Push-through cable entry diaphragm Lamp indicator L can be mounted in base knock-out M20/M25
Cable entry		Push-through cable entry diaphragm
Dimensions		
Width	mm	80
Height	mm	120
Depth	mm	95
Dimensions	mm	© 08
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	95
Mounting depth for mounting rail 7.5 mm height	mm	72
Features		With mounting rail to IEC/EN 60715

#### Notes



Knockouts 2 X M20 or push-through membrane up to max.  $\varnothing$  12 mm



Standards

Back plate: 2 x push-through membrane up to max.  $\varnothing$  8mm

### **Technical data** General

Damp heat, yelle, to BE 000000-2-00 Ambient temperature  "C 25 - 470 -25 - 410 with push-through cable entry   Front IPSS PRES, with push-through cable entry   Front IPSS What care treatment   Governormance	Standards		DIN EN 62208
Degree of Protection  Power loss  Rowar radiated heart dissipations with separate mounting, ambient air temperature - 20° C  Material Characteristics  Material Characteristics  Material Characteristics  Base  Cocor  Surface treatment  Colour  Base  Base  AA 9005, black first tenderous goolycarbonate  Colour  Base  Roward Material Characteristics  Track resistance  Track resistance  Track resistance to IEE 60033  Dielectric strength to IEE 60024-1  Thomparature resistant  Mechanical  Mechanical  Mechanical  Mechanical  Mechanical  Mechanical resistance  Chemical resistan	Climatic proofing		
Power loss   Poss, with push-through cable entry   Poss, with push-through cable entry   Power loss   Power l	Ambient temperature	°C	
Mac. radieted heat dissipation with separate mounting, ambient air temperature - 20°C  Material  Base Cover Gisas-fibre reinforced polycarbonate Cover Gis	Degree of Protection		
temperature - 20° °C Material  Base Cover Cocur	Power loss		
Meterial  Base Cover Colour  Base Attentify properties Electrical Track resistance to IEC 60033 Dielectric strength to IEC 60024-1 Impact resistant Impact resistant Mounting palate Mounting rail Chemical resistant Chemical resistant Chemical resistant  Attence paragraphy  Attence parag		W	10
Base Glass-fibre reinforced polycarbonate Cover Glass-fibre reinforced polycarbonate Surface treatment Golour Base AL 9005, black (matt) Housing body Enclosure cover RAL 7035, light grey (matt) Housing body Enclosure cover RAL 7035, light grey (matt)  Track resistance  Track resistance to IEC 80083 0 x 103 Dielectric strength to IEC 60243-1 0 x 103 Dielectric strengt	Material characteristics		
Cover Surface treatment Colour Colour Colour RAL 2005, lack (matt) Colour RAL 2005, lack (matt) Colour RAL 2005, lack (matt) Reusing body Enclosure cover RAL 7035, light grey (matt) Colour Co	Material		
Surface treatment Colour Base Housing body Recistant corrossion Relation Corrossion Recistant Recistant corrossion Recistant Recistant corrossion Recistant corrossion Recistant Recistant corrossion Recistant Recistant Recistant Recistant Recistant Recistant Recistant Recistant Recistant Resistant against Acids < 10 %, salissio, benzene Pust-furtugistant to: Acids > 10 %, elachol, gasoline, greases, salt solutions Party resistant to: Cardos > 10 %, elachol Not resistant to: CARDos > 10 %, elachol Recistant coalists, benzene, salt solutions Party estant to: CARDos > 10 %, elachol Recistant coalists, benzene, salt solutions Party estant to: CARDos > 10 %, elachol Recistant coalists, benzene, salt solutions Party estan	Base		Glass-fibre reinforced polycarbonate
Colour Base Rase RAL 9005, black (matt) Housing body Enclosure cover RAL 7035, light grey (mstt)  Material properties  Electrical Colour Critic Keesistance CIT 175 (base, to IEC 60112) CTI 175 (cover, to IEC 60112) C	Cover		Glass-fibre reinforced polycarbonate
Base AL 9005, black (matt)  Housing body  Material properties  Electrical  Track resistance  Surface resistance to IEC 60093  Dielectric strength to IEC 60243-1  Temperature resistant  Impert resistance  Impert resistance and resistance	Surface treatment		Resistant to corrosion
Housing body  Material properties  Electrical  Track resistance  Surface resistance to IEC 60033  Dielectric strength to IEC 60243-1  Temperature resistant  Imperature resistant  Mounting plate  Mounting plate  Chemical resistant  Chemical resistant  Chemical resistant  Autopheric  Saline spray  Ut vesistance  Electrical  Electrical  Track resistance  Electrical  Track resistance  Track resistance to IEC 60033  Dielectric strength to IEC 60043-1  Kv/mm  30  Autopheric  Electric strength to IEC 60043-1  Kv/mm  30  Autopheric  Electric strength to IEC 60043-1  Kv/mm  40 °C - 120 °C (enclosure)  -40 °C - 120 °C enclosure	Colour		
Surface resistance   CTI 175 (base, to IEC 60112)   CTI 175 (cover, to IEC 60112)   CTI 175	Base		RAL 9005, black (matt)
Electrical  Track resistance  Surface resistance to IEC 60083  O x 10 <sup>13</sup> Dielectric strength to IEC 60243-1  Temperature resistant  Temperature resistant  Mechanical  Impact resistance  Mounting plate  Mounting plate  Mounting rail  Chemical resistant  Chemical resistant  Amounting rail  Amounti	Housing body		Enclosure cover RAL 7035, light grey (matt)
Track resistance  Surface resistance to IEC 60093  Dielectric strength to IEC 60243-1  Dielectric strength to IEC 60243-1  Temperature resistant  Temperature resistant  Impact resistance  Impact resistance  Impact resistance  Mounting plate  Mounting plate  Mounting rail  Chemical resistant  Chemical resistant  Are selection as selection as selection as selection as selection as a selection as selection as a	Material properties		
Surface resistance to IEC 60093  Surface resistance to IEC 60093  Dielectric strength to IEC 60243-1  Temperature resistant  Temperature resistant  Temperature resistant  Mechanical  Impact resistance  Impact resistance  Mounting plate  Mounting plate  Mounting rail  Chemical resistance  Chemical resistant  Amounting rail  Amounting rail  Amounting rail  Chemical resistant  Amounting rail  Amounting rai	Electrical		
Dielectric strength to IEC 60243-1  Thermal  Temperature resistant  Temperature resistant  Mechanical  Impact resistance  Impact resistance  Mounting plate  Mounting rail  Chemical resistance  Chemical resistant  Chemical resistant  Amospheric  Saline spray  Uversistance  Water consumption to DIN EN ISO 62  Motor Consumption to DIN EN ISO 62  Motor Consumption to DIN EN ISO 62  Mounting plate  Mounting plate  Mounting plate  Mounting plate  Mounting rail  Mounting rail  Mounting rail  Mounting rail  Mounting rail  Mag  9.5  Mag  9.6  Mag  9.6  Mag  9.6  Mag  9.6  Mag  9.6  Mag  9	Track resistance		
Thermal  Temperature resistant  Temperature resistant  Temperature resistant  Temperature resistant  Mechanical  Impact resistance Impact resistance Impact resistance Impact resistance Impact resistance Impact resistance  Mounting plate Mounting rail  Chemical resistance  Chemical resistant  Chemical resistant  Author of the standard of the standar	Surface resistance to IEC 60093	$\Omega \times 10^{13}$	1
Temperature resistant  Mechanical  Impact resistance Impact resistance Mounting plate Mounting rail  Chemical resistance  Chemical resistant  Atmospheric  Saline spray  UV resistance  Water consumption to DIN EN ISO 62  Metal Capella Resistant  Amounting rail  Atmospheric  Saline spray  Water consumption to DIN EN ISO 62  Amounting rail  Atmospheric  Saline spray  Water consumption to DIN EN ISO 62  Amounting rail  Atmospheric  Atmospheric  Water consumption to DIN EN ISO 62  Amounting rail  Atmospheric  Atmospheric  Water consumption to DIN EN ISO 62  Amounting rail  Atmospheric  Atmospheric  Atmospheric  Atmospheric  Water consumption to DIN EN ISO 62  Amounting very consumption to Consumption to DIN EN ISO 62  Amounting very consumption to DIN EN ISO 62  Amounting very consumption to Consumption to DIN EN ISO 62  Amounting very consumption to Consumption to Consumption to DIN EN ISO 62  Amounting very consumption to DIN EN ISO 62  Amounting very consumption to Consumption to DIN EN ISO 62  Amounting very consumption to Consumption to DIN EN ISO 62  Amounting very consumption to Consumption to DIN EN ISO 62  Amounting very consumption to DIN EN ISO 62  Amounting very con	Dielectric strength to IEC 60243-1	kV/mm	30
Hechanical Impact resistance Impact resistance Mounting plate Mounting rail Chemical resistant  Chemical resistant  Chemical resistant  Saline spray  Water consumption to DIN EN ISO 62  Water Consumption to DIN EN ISO 62  Mechanical  Impact resistance  Atmospheric  Water consumption to DIN EN ISO 62  Mounting rail  Atmospheric  Limpact resistance  IKO4 according to EN 50102  IKO4 according t	Thermal		
Impact resistance max. assembly weights  Mounting plate Mounting rail  Chemical resistance  Chemical resistant  Chemical resis	Temperature resistant		
Mounting plate kg 0.5  Mounting rail kg 0.5  Chemical resistance Base, Cover Resistant against: Acids < 10 %, mineral oil, alcohol, gasoline, greases, salt solutions Partly resistant to: Acids > 10 %, alcohol Not resistant to: Acids > 10 %, 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 Not resistant to: Mineral oil, benzene  Atmospheric IEC 60068-2-11  UV resistance Beneath protective shield  Water consumption to DIN EN ISO 62	Mechanical		
Mounting rail kg 0.5  Chemical resistance  Chemical resistant  Chemical resistant  Saline spray  Water consumption to DIN EN ISO 62  Mounting rail  Mounting rail  Kg 0.5  C. Saline spray  Mounting rail  Kg 0.5  C. Saline spray  Mag 0.5  Base, Cover Resistant against: Acids < 10 %, mineral oil, alcohol, gasoline, greases, salt solutions Partly resistant to: Akids > 10 %, alkalis, benzene Push-through membrane (CL-IXCI) and sealing material Resistant against: Acids < 10 %, alkalis, benzene Push-through membrane (CL-IXCI) and sealing material Resistant against: Acids < 10 %, alkalis, benzene, salt solutions Partly resistant to: 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  Beneath protective shield  Water consumption to DIN EN ISO 62	Impact resistance		IKO4 according to EN 50102
Mounting rail  Chemical resistance  Chemical resistant  Chemical resistant  Chemical resistant  Atmospheric  Saline spray  UV resistance  Water consumption to DIN EN ISO 62  Mounting rail  kg  0.5  Base, Cover Resistant against: Acids < 10 %, mineral oil, alcohol, gasoline, greases, salt solutions Partly resistant to: Alcids > 10 %, alcohol Not resistant to: Alcids < 10 % alkalis, benzene, salt solutions Partly resistant to: Acids < 10 %, alkalis, benzene, salt solutions Partly resistant to: Acids < 10 %, greases, benzene Not resistant to: Mineral oil, benzene  IEC 60068-2-11  Beneath protective shield  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 (Cl-K1/Cl-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	Mounting plate	kg	0.5
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 %, 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	Mounting rail	kg	0.5
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 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	Saline spray		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 min.  Operating ambient temperature max.  Degree of Protection  Max. radiated heat dissipation with separate mounting, ambient air supperature + 20°C  Financia before  Financia bef	Design vernication as per IEG/EN 01433		
Degree of Protection  Max. radiated hear dissipation with separate mounting, ambient air responsability. On the control of the	Technical data for design verification		
Pegree of Protection  Max. radiated heart dissipation with separate mounting, ambient air temperature +20°C  Flammability characteristics  Secondary of the sec	· · · · · · · · · · · · · · · · · · ·		-25
PRS. with push-through cable entry   Max. radinate hant dissipation with separate mounting, unblient air unwaparature x20 °C   Flammability characteristics   980 °C/Imm thickness (base, cover; glow wire to VDE 0271 Part 2) (950 °C/Imm thickness (base, cover; glow wire to VDE 0271 Part 2) (950 °C/Imm thickness (base, cover; glow wire to VDE 0271 Part 2) (950 °C/Imm thickness (base, cover; glow wire to VDE 0271 Part 2) (950 °C/Imm thickness (base, cover; glow wire to VDE 0271 Part 2) (950 °C/Imm thickness (base, cover; glow wire to VDE 0271 Part 2) (950 °C/Imm thickness (base, cover; glow wire to VDE 0271 Part 2) (950 °C/Imm thickness (base, cover; glow wire to VDE 0271 Part 2) (950 °C/Imm thickness (base, cover; glow wire to VDE 0271 Part 2) (950 °C/Imm thickness (base, cover; glow wire to VDE 0271 Part 2) (950 °C/Imm thickness (base, cover; glow wire to VDE 0271 Part 2) (950 °C/Imm thickness (base, cover; glow wire to VDE 0271 Part 2) (950 °C/Imm thickness (base, cover; glow wire to VDE 0271 Part 2) (950 °C/Imm thickness (base, cover; glow wire to VDE 0271 Part 2) (950 °C/Imm thickness (base, cover; glow wire to VDE 0271 Part 2) (950 °C/Imm thickness (base, cover; glow wire to VDE 0271 Part 2) (950 °C/Imm thickness (base, cover; glow wire to VDE 0271 Part 2) (950 °C/Imm thickness (base, cover; glow wire to VDE 0271 Part 2) (950 °C/Imm thickness (base, cover; glow wire to VDE 0271 Part 2) (950 °C/Imm thickness (base, cover; glow wire to VDE 0271 Part 2) (950 °C/Imm thickness (base, cover; glow wire to VDE 0271 Part 2) (950 °C/Imm thickness (base, cover; glow wire to VDE 0271 Part 2) (950 °C/Imm thickness (base, cover; glow wire to VDE 0271 Part 2) (950 °C/Imm thickness (base, cover; glow wire to VDE 0271 Part 2) (950 °C/Imm thickness (base, cover; glow wire to VDE 0271 Part 2) (950 °C/Imm thickness (base, cover; glow wire to VDE 0271 Part 2) (950 °C/Imm thickness (base, cover; glow wire to VDE 0271 Part 2) (950 °C/Imm thickness (base, cover; glow wire to VDE 0271 Part 2) (950 °C/Imm thickness (base, cover; glo	Operating ambient temperature max.	°C	70
Fammability characteristics  \$80 °C/Imm thick (posh-through membrane and seal natural) to VIE 0471 Part 2/ 587 °C/Imm thick (posh-through membrane and seal natural) to VIE 0471 Part 2/ 587 °C/Imm thick (posh-through membrane and seal natural) to VIE 0471 Part 2/ 587 °C/Imm thick (posh-through membrane and seal natural) to VIE 0471 Part 2/ 587 °C/Imm thick (posh-through membrane and seal natural) to VIE 0471 Part 2/ 587 °C/Imm thick (posh-through membrane and seal natural) to VIE 0471 Part 2/ 587 °C/Imm thick (posh-through membrane and seal natural) to VIE 0471 Part 2/ 587 °C/Imm thick (posh-through membrane and seal natural) to VIE 0471 Part 2/ 587 °C/Imm thick (posh-through membrane and seal natural) to VIE 0471 Part 2/ 587 °C/Imm thick (posh-through membrane and seal natural) to VIE 0471 Part 2/ 587 °C/Imm thick (posh-through membrane and seal natural) to VIE 0471 Part 2/ 587 °C/Imm thick (posh-through membrane and seal natural) to VIE 0471 Part 2/ 587 °C/Imm thick (posh-through membrane and seal natural) to VIE 0471 Part 2/ 587 °C/Imm thick (posh-through membrane and seal natural) to VIE 0471 Part 2/ 587 °C/Imm thick (posh-through membrane and seal natural) to VIE 0471 Part 2/ 587 °C/Imm thick (posh-through membrane and seal natural) to VIE 0471 Part 2/ 587 °C/Imm thick (posh-through membrane and seal natural) to VIE 0471 Part 2/ 587 °C/Imm thick (posh-through through membrane and seal natural) to VIE 0471 Part 2/ 587 °C/Imm thick (posh-through through throug	Degree of Protection		
S80*C/Imm thick (push-trough embrane and seal material) to VDE 0471 Part 2   Track resistance		W	10
Surface treatment Impact resistance Impact resistance Impact resistance Impact resistance Impact resistance IVV resistance of insulating materials to normal heat and fire due to internal electric effects IVV resistance of insulating materials to abnormal heat and fire due to internal electric effects IVV resistance to ultra-violet (IVV) radiation IVV resistance IVV resistance of insulation resistance of insulation resistance of insulation	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  An "C - 120 "C (enclosure) - 40 "C - 120 "C (gasker)  UV resistance  Beneath protective shield  EC/EN 61439 design verification  10.2.2 Forngoin or materials and parts  10.2.2 Corrosion resistance  10.2.2 Corrosion resistance  10.2.3 Verification of trensit stability of enclosures  Meets the product standard's requirements.  10.2.3 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 (UV) radiation  10.2.5 Lifting  Not applicable.  10.2.6 Mechanical impact  10.2.6 Mechanical impact  10.2.7 Inscriptions  Meets the product standard's requirements.  10.5 Protection against electric shock  Does not apply, since the entire switchgear needs to be evaluated.  10.6 Insulation properties  10.7 Internal electrical circuits and connections  10.8 Connections for external conductors  10.9 Power-frequency electric strength  10.9 Power-frequency electric strength  10.9 Power-frequency elect	Track resistance		
Temperature resistant  UV resistance  Beneath protective shield  ECCEN 61439 design verification  10.2 Strength of materials and parts  10.22 Corrosion resistance  Meets the product standard's requirements.  Does not apply, since the entire switchgear needs to be evaluated.  10.5 Incorporation of switching devices and components  Does not apply, since the entire switchgear needs to be evaluated.  10.6 Incorporation of procepties  10.7 Internal electrical circuits and connections  Is the panel builder's responsibility.  Meets the panel builder's responsibility.  Meets the panel builder's responsibility.  Meets the panel builder's responsibility.  Interperature rise  The panel builder's responsibility.  Meets the panel builder's responsibility.  Interperature rise  The panel builder's responsibility.  Interperature rise  Description of the switchgear must be observed.  Interperature rise  The device meets the requirements, provided the information in the instruction	Surface treatment		Resistant to corrosion
UV resistance  EC/EN 61439 design verification  10.2 Strength of materials and parts  10.2.5 Corrosion resistance  Meets the product standard's requirements.  10.2.3.1 Verification of thermal stability of enclosures  Meets the product standard's requirements.  In provide the entire switchgear needs to be evaluated.  Does not apply, since the entire switchgear needs to be evaluated.  Does not apply, since the entire switchgear needs to be evaluated.  In Internal electrical circuits and components  Does not apply, since the entire switchgear needs to be evaluated.  In Internal electrical circuits and connections  In the panel builder's responsibility.  In Second for external conductors  In panel builder's responsibilit	Impact resistance		IK04 according to EN 50102
IEC/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 normal heat and fire due to internal electric effects  10.2.3.8 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  10.2.7 Inscriptions  10.3. Degree of protection of ASSEMBLIES  10.4 Clearances and creepage distances  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  10.9.1 Swill be panel builder's responsibility.  10.9 Insulation properties  10.9.2 Power-frequency electric strength  10.9.3 Insulse withstand voltage  10.10 Temperature rise  The panel builder's responsibility.  10.9.4 Testing of enclosures made of insulating material  10.10 Temperature rise  The panel builder's responsibility.  10.15 Nort-circuit rating  10.16 Electromagnetic compatibility  List the panel builder's responsibility.  List the panel builder's responsibility.  List the panel builder's responsibility.  List the panel builder's responsibility. The specifications for the switchgear must be observed.  10.11 Short-circuit rating  10.13 Mechanical function  The device meets the requirements, provided the information in the instruction	Temperature resistant		
10.2 Strength of materials and parts  10.2 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 and fire due to internal electric effects  10.2.4 Rasistance 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  10.5 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 Power-frequency electric strength  10.9.2 Power-frequency electric strength  10.9.3 Power-frequency electric strength  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.  Does not apply, since the entire switchgear needs to be evaluated.  Does not apply, since the entire switchgear needs to be evaluated.  Is the panel builder's responsibility.  Is the panel builder's responsibility.  Is the panel builder's responsibility.  Meets the product standard's requirements.  In panel builder's responsibility.  Is the panel builder's responsibility.  Is the panel builder's responsibility.  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.  The device meets the requirements, provided the information in the instruction.	UV resistance		Beneath protective shield
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 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 Lifting  Not applicable.  10.2.6 Mechanical impact  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  Does not apply, since the entire switchgear needs to be evaluated.  10.6 Incorporation of switching devices and components  Does not apply, since the entire switchgear needs to be evaluated.  10.7 Internal electrical circuits and connections  Is the panel builder's responsibility.  10.9 Insulation properties  10.9.1 Suppose the entire switchgear needs to be evaluated.  In the panel builder's responsibility.  10.9 Insulation properties  10.9 Prover-frequency electric strength  Is the panel builder's responsibility.  10.9 Insulation properties  10.9 The panel builder's responsibility.  10.10 Temperature rise  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  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	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  10.2.4 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  10.5 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.	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 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 10.10 Temperature rise 10.10 Temperature rise 10.11 Short-circuit rating 10.11 Short-circuit rating 10.13 Mechanical function 10.13 Mechanical function  Meets the product standard's requirements.  Does not apply, since the entire switchgear needs to be evaluated.  Is the panel builder's responsibility.  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	10.2.2 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 Power-frequency electric strength  10.9.1 Power-frequency electric strength  10.9.2 Power-frequency electric strength  10.9.3 Impulse withstand voltage  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.  Does not apply, since the entire switchgear needs to be evaluated.  Does not apply, since the entire switchgear needs to be evaluated.  Is the panel builder's responsibility.  Is the panel builder's responsibility.  Is the panel builder's responsibility.  Meets the product standard's requirements.  The panel builder's responsibility.  Is the panel builder's responsibility.  Is the panel builder's responsibility.  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	10.2.3.1 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.  10.2.6 Mechanical impact  Does not apply, since the entire switchgear needs to be evaluated.  10.3.7 Inscriptions  Meets the product standard's requirements.  10.3 Degree of protection of ASSEMBLIES  Meets the product standard's requirements.  Meets the product standard's requirements.  Meets the product standard's requirements.  10.5 Protection against electric shock  Does not apply, since the entire switchgear needs to be evaluated.  10.6 Incorporation of switching devices and components  Does not apply, since the entire switchgear needs to be evaluated.  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.  10.9.1 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.  Meets the product standard's requirements.  10.10 Temperature rise  Weets the product standard's requirements.  10.11 Short-circuit rating  Is the panel builder's responsibility. The specifications for the switchgear must be observed.  10.12 Electromagnetic competibility  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.
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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  10.10 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 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.  The panel builder is responsibility. The specifications for the switchgear must be observed.  10.12 Electromagnetic compatibility  The device meets the requirements, provided the information in the instruction	10.2.6 Mechanical impact		Does not apply, since the entire switchgear needs to be evaluated.
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10.9.3 Impulse withstand voltage  10.9.4 Testing of enclosures made of insulating material  Meets the product standard's requirements.  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.  10.16 The device meets the requirements, provided the information in the instruction	10.9 Insulation properties		
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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 b observed.  10.12 Electromagnetic compatibility  Is the panel builder's responsibility. The specifications for the switchgear must b 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.
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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 7.0**

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@ss10.0.1-27-37-13-01 [AKN343014])

(ecl@ss10.0.1-27-37-13-01 [AKN343014])		
Material housing		Plastic
Width	mm	80

Height	mm	120
Depth	mm	95
With transparent cover		No
Suitable for emergency stop		Yes
Model		Surface mounting
Degree of protection (IP)		IP65
Degree of protection (NEMA)		Other

# **Dimensions**

