DATASHEET - CI-K1-95-TS



Insulated enclosure, HxWxD=120x80x95mm, +mounting rail



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

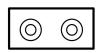
EL-Nummer (Norway)

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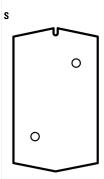
Delivery program

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	© S 887 0 0 1 1 2 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1
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



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

Technical data General

Climatic proofung Climatic proofung Climatic proofung Climatic proofung Climatic propertion Climatic proofung Climatic	General		
Degree of Protection Water additional centry Protection Protect	Standards		
Degree of Protection	Climatic proofing		
Power loss Max radiated heat dissipation with separate mounting, ambient air w 10 10 10 10 10 10 10 10 10 10 10 10 10	Ambient temperature	°C	
Max radiated heat dissipation with separate mounting, ambient air temperature 30°C water and the separate mounting, ambient air temperature 30°C water and the separate mounting, ambient air temperature 30°C water and the separate mounting, ambient air temperature 30°C water and 30°C water a	Degree of Protection		
Material Characteristics Material Coor G Glass-fibre reinforced polycarbonate Base Goor G Glass-fibre reinforced polycarbonate Colour G Glass-fibre reinforced polycarbonate Surface treatment G Glass-fibre reinforced polycarbonate Colour G Glass-fibre reinforced polycarbonate Surface treatment G Glass-fibre reinforced polycarbonate Surface resistant to corosion Material properties Flactical G G G G G G G G G G G G G G G G G G G	Power loss		
Material Base Cover Color Base Color Base Al 1905, black (matt) Enclosure cover RAL 7035, light grey (matt) Material properties Electrical Track resistance to IEC 60038 Dielectric strength to IEC 60243-1 Temperature resistant Temperature resistant Mouning plate Mouning palte Mouning palte Mouning rail Chemical resistant Chemical resistant Al 2005, black (matt) Electrical Al 2005, black (matt) Electrical Track resistance to IEC 60038 Dielectric strength to IEC 60243-1 Temperature resistant Mochanical Import resistance Mouning palte Mouning rail Chemical resistant Al 2005, black (matt) Electrical CT 1175 (base, to IEC 60112) CT 1175 (base, to IEC		W	10
Base Cover Giass-fibre reinforced polycarbonate Clover Giass-fibre reinforced polycarbonate Giass-fibre einforced polycarbonate Giass-fibre cover file Goil 2012 Giasse cover file Goil 2012 Giasse cover file Goil 2012 Giasse fibre giasse file Giasse giasse file Giasse	Material characteristics		
Cover Glass-fibre reinforced polycarbonate Surface treatment Colour Base RAL 9005, black (matt) Housing body Enclosure cover RAL 7035, light grey (matt) Material properties Electrical Track resistance to IEC 60093 Surface resistance to IEC 60093 Dielectric strength to IEC 60093 Temperature resistant Temperature resistant Mechanical Impact resistance Mechanical Mayoning plate Mounting plate Mounting rail Chemical resistant Chemical resistant Automater and a surface resistant Mounting plate Automater and a surface resistant Automater and a surface resistant against Acids < 10 %, mineral oil, alcohol, gasoline, greases, salt solutions Party resistant to: Mineral oil, benzene Automater and a surface resistant to: Mineral oil, benzene Automater and a surface resistant to: Mineral oil, benzene Volt resistant co: Mineral oil, septemble Volt	Material		
Surface treatment Colour Base Housing body Material properties Electrical Track resistance on IEC 60093 O x 10 ¹³ Dielectric strength to IEC 60243-1 Temmal Temperature resistant Mouning plate Mouning plate Mouning plate Mouning plate Mouning rail Chemical resistance Chemical resistance Chemical resistance Chemical resistant Autonospheric Chemical resistant Autonospheric Chemical resistant Autonospheric Chemical resistant Autonospheric Chemical resistant Autonospheric Saline spray UV resistance Mounton to DIN EN ISO 62 Material properties Resistant quint chemical resistant Autonospheric Saline spray UV resistance Beneath protective shield Beneath protective shield Beneath protective shield	Base		Glass-fibre reinforced polycarbonate
Base RAL 9005, black (matt) Base RAL 9005, black (matt) Material properties Electrical Track resistance CTI 175 (base, to IEC 60112) CTI 175 (cover, to IEC 60112) IN Cover resistance Mochanical Impact resistant Mounting plate Mounting plate Mounting rail Mounting rail Mounting rail Mounting rail Mounting rail Chemical resistant Chemical resistant Chemical resistant Alian resistant cover resistant to Acids > 10 %, mineral oil, alcohol, gasoline, greases, salt solutions Party resistant to Acids > 10 %, alcohol Not resistant to Acids > 10 %, greases, benzene Not resistant to Mineral oil, benzene Atmospheric Saline spray UV resistance Meter consumption to DIN EN ISO 62 % 029	Cover		Glass-fibre reinforced polycarbonate
Base Alsouse (Material properties Properties Planck (Material properties Planck (Mater	Surface treatment		Resistant to corrosion
Housing body Material properties Electrical Track resistance Uniformation of the Ect 60093 Dielectric strength to IEC 60012 Dielectric s	Colour		
Surface resistance to IEC 60093	Base		RAL 9005, black (matt)
Electrical Track resistance CTI 175 (base, to IEC 60112) CTI 175 (cover, to IEC 6012) CTI 175 (cover, to IEC 60112) CTI 175 (cover, to IEC 6012) CTI 175 (cover, to IEC 60112) CTI 175 (Housing body		Enclosure cover RAL 7035, light grey (matt)
Track resistance Surface resistance to IEC 60093 Dielectric strength to IEC 60243-1 Temperature resistant Temperature resistant Impact resistance Impac	Material properties		
Surface resistance to IEC 60093 Dielectric strength to IEC 60243-1 Temperature resistant Temperature resistant Temperature resistant Temperature resistant Mechanical Impact resistance I	Electrical		
Dielectric strength to IEC 60243-1 Thermal Temperature resistant T	Track resistance		
Thermal Temperature resistant Temperature resistant Temperature resistant Temperature resistant Mechanical Impact resistance max. assembly weights Mounting plate Mounting rail Chemical resistance Chemical resistant Temperature resistant Thermal Atmospheric Saline spray Water consumption to DIN EN ISO 62 Temperature resistant Atmospheric Temperature resistant Thermal Atmospheric Temperature resistant Thermal Atmospheric Thermal Atmospheric Temperature resistant Thermal Atmospheric Thermal Atmospheric Thermal Therma	Surface resistance to IEC 60093	$\Omega \times 10^{13}$	1
Temperature resistant Au °C - 120 °C (enclosure) -40 °C - 180 °C (gasket) Mechanical Impact resistance Impact resistance IK04 according to EN 50102 max. assembly weights Mounting plate Mounting rail Chemical resistance Chemical resistant Chemical resistant Atmospheric Saline spray Water consumption to DIN EN ISO 62 Au °C - 120 °C (enclosure) -40 °C - 180 °C (gasket) IK04 according to EN 50102 IK05 according to EN 50102 IK04 according to EN 50102 IK05 accordi	Dielectric strength to IEC 60243-1	kV/mm	30
Au of 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 0.5 Mounting rail kg 0.5 Chemical resistance Chemical resistant	Mechanical		
Mounting plate kg 0.5 Mounting rail kg 0.5 Chemical resistance Chemical resistant	Impact resistance		IK04 according to EN 50102
Mounting rail Chemical resistance Chemical resistant Chemical resistant Base, Cover Resistant against: Acids < 10 %, mineral oil, alcohol, gasoline, greases, salt solutions Partly resistant to: Akids > 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 LEC 60068-2-11 UV resistance Water consumption to DIN EN ISO 62 % 0.29	max. assembly weights		
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 Atmospheric 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		

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. 1°C 75 Degree of Protection Mex. radiacted heat dissipation with separate mounting, ambient air memperature v20 1°C Flammability characteristics Sea "C/I mm thickness (base, o, cover; glow were to VDE 0471 Part 2) 600 "C/I mm thickness (base, o, cover; glow were to VDE 0471 Part 2) 600 "C/I mm thickness (base, o, cover; glow were to VDE 0471 Part 2) 600 "C/I mm thickness (base, o, cover; glow were to VDE 0471 Part 2) 600 "C/I mm thickness (base, o, cover; glow were to VDE 0471 Part 2) 600 "C/I mm thickness (base, o, cover; glow were to VDE 0471 Part 2) 600 "C/I mm thickness (base, o, cover; glow were to VDE 0471 Part 2) 600 "C/I mm thickness (base, o, cover; glow were to VDE 0471 Part 2) 600 "C/I mm thickness (base, o, cover; glow were to VDE 0471 Part 2) 600 "C/I mm thickness (base, o, cover; glow were to VDE 0471 Part 2) 600 "C/I mm thickness (base, o, cover; glow were to VDE 0471 Part 2) 600 "C/I mm thickness (base, o, cover; glow were to VDE 0471 Part 2) 600 "C/I mm thickness (base, o, cover; glow were to VDE 0471 Part 2) 600 "C/I mm thickness (base, o, cover; glow were to VDE 0471 Part 2) 600 "C/I mm thickness (base, o, cover; glow were to VDE 0471 Part 2) 600 "C/I mm thickness (base, o, cover; glow were to VDE 0471 Part 2) 600 "C/I mm thickness (base, o, cover; glow were to VDE 0471 Part 2) 600 "C/I mm thickness (base, o, cover; glow were to VDE 0471 Part 2) 600 "C/I mm thickness (base, o, cover; glow were to VDE 0471 Part 2) 600 "C/I mm thickness (base, o, cover; glow were to VDE 0471 Part 2) 600 "C/I mm thickness (base, o, cover; glow were to VDE 0471 Part 2) 600 "C/I mm thickness (base, o, cover; glow were to VDE 0471 Part 2) 600 "C/I mm thickness (base, o, cover; glow were to VDE 0471 Part 2) 600 "C/I mm thickness (base, o, cover; glow were to VDE 0471 Part 2) 600 "C/I mm thickness (base, o, cover; glow were to VDE 0471 Part 2) 600 "C/I mm thickness (base, o, cover; glow were to VDE 0471 Part 2) 600 "C/I mm thickness (base, o,	Design vernication as per IEG/EN 01455		
Operating ambient temperature max. Degrace of Protection Max. radiated heat dissipation with separate mounting, ambient air momenture 20; 50; with pash-through cable entry Max. radiated heat dissipation with separate mounting, ambient air momenture 20; 50; with pash-through cable entry Momenture dissipation with separate mounting, ambient air with 10 Frammability characteristics Separated resistance CT1 75 (beas, bit 56; 50; 517)7 CT1 75 (beas, bit 56; 517)7 CT1 7	Technical data for design verification		
Degree of Protection Max. reducted heat dissipation with separate mounting, ambient air temperature r.20°C Feanmability characteristics Separature r.20°C Feanmability characteristics Separature r.20°C Track resistance CTI 175 (base, to IEC 68117) Surface treatment meant resistance CTI 175 (base, to IEC 68117) Resistant to corresion INCA according to EM 50112 Temperature resistance INCA according to EM 50112 Temperature resistance of insulating materials to abnormal heat and five due to internal discretic effects INCA according to Inca and according to Inca and Inca	Operating ambient temperature min.	°C	-25
Mac. radiated heart dissipation with separate mounting, ambient air Mac. radiated heart dissipation with separate mounting, ambient air Mac. radiated heart dissipation with separate mounting, ambient air Mac. radiated heart dissipation with separate mounting, ambient air Mac. radiated heart dissipation with separate mounting, ambient air Mac. radiated heart dissipation with separate mounting, ambient air Mac. radiated heart dissipation with separate mounting. 500 **Cylmm thickness (base, cover; glow wire to VDE 0217 Part 2) CTT 175 faces, to IEC 09112) Surface treatment Impact resistant IMD according to EM 50102 Temperature standard in temperature resistant according to EM 50102 Temperature standard in temperature research according to EM 50102 Temperature standard in temperature research according to EM 50102 Temperature standard in temperature research according to EM 50102 Temperature standard in temperature research according to EM 50102 Temperature standard in temperature research according	Operating ambient temperature max.	°C	70
### Residence of the product standard's requirements. ### Residence of protection of ASSEMBLIES ### Residence of protectio	Degree of Protection		
Track resistance CTI 175 (base, to IEC 60112) Surface treatment Resistance CTI 175 (base, to IEC 60112) Surface treatment Resistance Resistance IKO4 according to EN 50102 Temperature resistance IKO4 according to EN 50102 Temperature resistance Resis		W	10
Surface troatment Impact resistance Impact resistance IV resistance of insulating materials to abnormal heat and fire due to internal electric offects IV resistance to ultra-violate (UV) rediation IV resistance of insulating materials to abnormal heat and fire due to internal electric offects IV resistance to ultra-violate (UV) rediation IV resistance to ultra-violate (UV) re	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 Au °C - 120 °C (neclourre) - 40	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 Verification of thermal stability of enclosures 10.2.3 Verification of tresistance 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 normal heat 10.2.3 Verification of resistance of insulating materials to abnormal heat 10.2.4 Elisting 10.2.4 Elisting 10.2.5 Elisting 10.2.5 Mechanical impact 10.2.5 Mechanical impact 10.2.6 Mechanical impact 10.2.7 Inscriptions 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. In the panel builder's responsibility. It is the panel builder's responsibility. It is the panel builder's responsibility. It is the panel builder's responsibility. I	Surface treatment		Resistant to corrosion
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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 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 Rechanical impact 10.2.6 Mechanical impact 10.2.7 Inscriptions 10.2.8 Mechanical impact 10.2.7 Inscriptions 10.2.8 Mechanical impact 10.2.7 Inscriptions 10.4 Glearances and creepage distances 10.4 Clearances and creepage distances 10.5 Not applicable. 10.5 Internal electric shock 10.5 Incorporation of switching devices and components 10.5 Internal electrical circuits and connections 10.5 Internal electrical circuits and connections 10.5 Internal electrical circuits and connections 10.5 Internal electric al circuits and connections 10.6 Internal electric al circuits and connections 10.7 Internal electric al circuits and connections 10.8 Connections for external conductors 10.9 Insulation properties 10.9 Internal electric al circuits and connections 10.8 Leap and builder's responsibility. 10.9 Internal electric alcircuits and connections 10.1 Ternal electric alcircuits and connections 10.1 Ternal electric alcircuits and connections 10.2 Electromagnetic compatibility 10.3 Internal electric alcircuits and electric strength 10.4 Tetral electric alcircuits and electric st	Temperature resistant		
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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 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 10.2.6 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 10.9.1 Nover-frequency electric strength 10.9 Insulation properties 10.9.2 Power-frequency electric strength 10.9 Insulation properties 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 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 Insulation properties 10.19 Insulation properties 10.10 Insulation properties 10.10 Insulation properties 10.11 Short-circuit rating 10.12 Electromagnetic compatibility 10.13 Mechanical function 10.15 Mechanical function 10.16 Meets the product standard's requirements. 10.17 He device meets the requirements, provided the information in the instruction	IEC/EN 61439 design verification		
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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 10.4 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 10.10 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. The panel builder's responsibility. The specifications for the switchgear must be observed. In 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.
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	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

