DATASHEET - CI-K4-125-TS



Insulated enclosure, HxWxD=240x160x125mm, +mounting rail

Powering Business Worldwide

CI-K4-125-TS Part no. Catalog No. 206886

EL-Nummer (Norway)

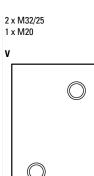
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Delivery program		
Product range		CI-K small enclosures
Basic function		Basic enclosures
Product function		CI-K empty enclosures
Single unit/Complete unit		Single unit
Degree of Protection		Front IP65 IP65, with push-through cable entry
Degree of Protection		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 Control cable entry Lamp indicator L can be mounted in base knock-out M20/M25
Cable entry		hard knockout version
Dimensions		
Width	mm	160
Height	mm	240
Depth	mm	125
Dimensions	mm	© 0 0 160 160 160 160 160 160 160 160 160
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	125
Mounting depth for mounting rail 7.5 mm height	mm	93
Features		With mounting rail to IEC/EN 60715

Notes 0



Knockouts



Back plate: 2 x M32/25

Standards

Technical data General

		5117 217 02200
Climatic proofing		Damp heat, constant, to IEC 60068-2-78 Damp heat, cyclic, to IEC 60068-2-30
Ambient temperature	°C	-25 - +70 -25 - +40 (with push-through cable entry)
Degree of Protection		Front IP65 IP65, with push-through cable entry
Power loss		
Max. radiated heat dissipation with separate mounting, ambient air temperature +20 $^{\circ}\text{C}$	W	26
Material characteristics		
Material		
Base		Glass-fibre reinforced polycarbonate
Cover		Glass-fibre reinforced polycarbonate
Surface treatment		Resistant to corrosion
Colour		
Base		RAL 9005, black (matt)
Housing body		Enclosure cover RAL 7035, light grey (matt)
Material properties		
Electrical		
Track resistance		CTI 175 (base, to IEC 60112) CTI 175 (cover, to IEC 60112)
Surface resistance to IEC 60093	$\Omega \times 10^{13}$	1
Dielectric strength to IEC 60243-1	kV/mm	30
Thermal		
Temperature resistant		-40 °C - 120 °C (enclosure) -40 °C - +80 °C (gasket)
Mechanical		
Impact resistance		IK06 according to EN 50102
max. assembly weights		
Mounting plate	kg	0.9
Mounting rail	kg	0.9
Chemical resistance		
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
Atmospheric		
Saline spray		IEC 60068-2-11
UV resistance		Beneath protective shield
Water consumption to DIN EN ISO 62	%	0.29
Flammability characteristics		

IEC/EN 60529 DIN EN 62208

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) to VDE 0471 Part 2)
to UL 94	VO/1.5 mm thickness
to UL 94	НВ
Halogen free	Yes

Design verification as per IEC/EN 61439

observed.	besign vermoution as per 120/214 01405			
Heart disappation per galio, current dependent Equipment heat disappation, current dependent Pol V 0 0 1 Heart disappation, construct dependent Pol W 0 0 1 Heart disappation, construct dependent Pol V 0 0 0 1 Heart disappation, construct dependent Pol Operating ambient temperature min. C 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Technical data for design verification			
Equipment heat dissipation, current-dependent Page Strich heat dissipation, courserd-dependent Page W 0 Strich heat dissipation non-current-dependent Page W 0 Doverating ambient transpersture min. C 0-25 Degree of Protection Degree of Protection Track resistance Track resistan	Rated operational current for specified heat dissipation	In	Α	0
Static heast dissipation, non-current-dependent Ps. W 26 Part W 26 Operating ambient temperature min. Operating ambient temperature max. Ogers of Protection Max. redised heat dissipation with separate mounting, ambient air temperature of the separate mounting ambient air temperature of the separate mounting ambient temperature of the separate mounting ambient air temperature resistance Track res	Heat dissipation per pole, current-dependent	P _{vid}	W	0
Heat dissipation capacity Operating ambient temperature max. Max. radiated hear dissipation with separate mounting, embient air temperature x-20°C. From IPES. IPES, with push-through cable entry Max. radiated hear dissipation with separate mounting, embient air temperature x-20°C. Separature x-20°C. Separature x-20°C. From IPES. OCTION thick, (such-shough mombrane to VOE 0471 Part 2) COTION to thick, (such-shough mombrane to VOE 0471 Part 2) COTION to thick, (such-shough mombrane to VOE 0471 Part 2) COTION to thick, (such-shough mombrane to VOE 0471 Part 2) COTION to thick, (such-shough mombrane to VOE 0471 Part 2) COTION to the complete to the complete temperature resistance. INDEASON to the design verification INDEASON to the complete translated to complete temperature verification INDEASON to the complete translated to the complete temperature verification of resistance of insulating materials to normal heat and full due to internal electric efforts on the resistance of insulating materials to abnormal heat and full due to internal electric efforts on the complete translated to the complete translated to the complete translated to requirements. Meets the product standard's requirements. INDEASON to the product standard's requirements. Meets the product standard's requirements. INDEASON to the product	Equipment heat dissipation, current-dependent	P _{vid}	W	0
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Degres of Protection Degree of Protection Degree of Protection Track resistance From IPS Surface treatment Impact resistance Impact resist	Heat dissipation capacity	P _{diss}	W	26
Degree of Protection Max. radiated heat dissipation with separate mounting, ambient air temperature +20°C Rammability characteristics Rammability characterist	Operating ambient temperature min.		°C	-25
Max. addited hant dissipation with separate mounting, ambient air temperature +20°C	Operating ambient temperature max.		°C	70
temperature - 20° C Fammability characteristics \$60° C/Imm thickness (base, cover, glow wire ta VOE O/IT Part 2) \$50° C/Imm thick [push-through membrane] to VOE O/IT Part 2) \$50° C/Imm thick [push-through membrane] to VOE O/IT Part 2) \$50° C/Imm thick [push-through membrane] to VOE O/IT Part 2) \$50° C/Imm thick [push-through membrane] to VOE O/IT Part 2) \$50° C/Imm thick [push-through membrane] to VOE O/IT Part 2) \$50° C/Imm thick [push-through membrane] to VOE O/IT Part 2) \$50° C/Imm thick [push-through membrane] to VOE O/IT Part 2) \$50° C/Imm thick [push-through membrane] to VOE O/IT Part 2) \$50° C/Imm thick [push-through membrane] to VOE O/IT Part 2) \$50° C/Imm thick [push-through membrane] to VOE O/IT Part 2) \$50° C/Imm thick [push-through membrane] to VOE O/IT Part 2) \$50° C/Imm thick [push-through membrane] to VOE O/IT Part 2) \$50° C/Imm thick [push-through membrane] to VOE O/IT Part 2) \$50° C/Imm thick [push-through membrane] to VOE O/IT Part 2) \$50° C/Imm thick [push-through membrane] to VOE O/IT Part 2) \$50° C/Imm thick [push-through membrane] to VOE O/IT Part 2) \$50° C/Imm thick [push-through membrane] to VOE O/IT Part 2) \$50° C/Imm thick [push-through membrane] to VOE O/IT Part 2) \$50° C/Imm thick [push-through membrane] to VOE O/IT Part 2) \$50° C/Imm thick [push-through through the Solid [push 1] \$50° C/Imm thick [push-through through thro	Degree of Protection			
FSS "C*Imm thick (guish-through membrane) to VDE (APT Part 2)			W	26
Surface treatment Impact resistance Impact resistance Impact resistance Impact resistance Impact resistance IVV resistance of insulating materials to normal heat IVV resistance IVV resistance of insulating materials to abnormal heat IVV resistance IVV resistanc	Flammability characteristics			
Impact resistance Temperature resistant 40 °C - 120 °C (enclosure) -40 °C - 20 °C (gasked) UV resistance Beneath protective shield EC/EN 61439 design verification 10.2 Strength of materials and parts 10.2 Corrosion resistance Meets the product standard's requirements. 10.2.3 Verification of trensistance 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 10.2.3 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 Machanical 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. 10.5 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. 10.8 Connections for external conductors Is the panel builder's responsibility. 10.9 Insulation properties 10.9 Power-frequency electric strength Is the panel builder's responsibility. 10.9 Insulation properties 10.9 Power-frequency electric strength Is the panel builder's responsibility. 10.9 A Testing of enclosures made of insulating material Meets the product standard for requirements. 10.10 Temperature rise The panel builder's responsibility. 10.11 Short-circuit rating Insulating of enclosures made of insulating material 10.10 Temperature rise The panel builder's responsibility. The specifications for the switchgear must be observed.	Track resistance			
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10.9.4 Testing of enclosures made of insulating material Meets the product standard's requirements. The panel builder is responsible for the temperature rise calculation. Eaton will provide heat dissipation data for the devices. 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 8.0

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

Material housing		Plastic
Width	mm	160
Height	mm	125
Depth	mm	240
With transparent cover		No
Suitable for emergency stop		Yes
Model		Surface mounting
Degree of protection (IP)		IP65
Degree of protection (NEMA)		Other

Dimensions

