DATASHEET - CI-K4-125-TS



Insulated enclosure, HxWxD=240x160x125mm, +mounting rail



(Norway)

CI-K4-125-TS 206886

EL-Nummer

0004138004

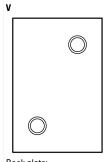


Delivery program

Product range Image: Complete unit Product function Image: Complete unit Single unit/Complete unit Image: Complete unit Degree of Protection Image: Complete unit Material Image: Complete unit Colour Image: Complete unit Description Image: Complete unit Width Image: Complete unit Image: Complete unit Image: Complete unit Description Image: Complete unit Cable entry Image: Complete unit Image: Complete unit Image: Complete unit Image: Complete unit Image: Complete unit Image: Complete unit Image: Complete unit Colour Image: Complete unit Image: Complete unit Image: Complete unit Colour Image: Complete unit Image: Complete unit Image: Complete unit Image: Complete u	mm mm	CI-K small enclosures Basic enclosures CI-K empty enclosures Single unit Front IP65 IP65, with push-through cable entry Front IP65 IP65, with push-through cable entry Glass-fibre reinforced polycarbonate Enclosure base RAL 9005, black Operator only RAL 7035, light gray 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 hard knockout version 180 240
Product function Single unit/Complete unit Degree of Protection Degree of Protection Material Colour Description Cable entry Dimensions Width Height Depth	mm mm	CI-K empty enclosures Single unit Front IP65 IP65, with push-through cable entry Front IP65 IP65, with push-through cable entry Glass-fibre reinforced polycarbonate Enclosure base RAL 9005, black Operator only RAL 7035, light gray 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 hard knockout version
Single unit/Complete unit Image: Single unit/Complete unit Degree of Protection Image: Single unit/Complete unit Degree of Protection Image: Single unit/Complete unit Material Image: Single unit/Complete unit Colour Image: Single unit/Complete unit Description Image: Single unit/Complete unit Cable entry Image: Single unit/Complete unit Width Image: Single unit Height Image: Single unit Depth Image: Single unit	mm mm	Single unit Front IP65 IP65, with push-through cable entry Front IP65 IP65, with push-through cable entry Glass-fibre reinforced polycarbonate Enclosure base RAL 9005, black Operator only RAL 7035, light gray 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 hard knockout version 160
Degree of Protection Image: Constraint of the second o	mm mm	Front IP65 IP65, with push-through cable entry Front IP65 IP65, with push-through cable entry Glass-fibre reinforced polycarbonate Enclosure base RAL 9005, black Operator only RAL 7035, light gray 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 hard knockout version 160
Degree of Protection Image: Constant of Constant	mm mm	IP65, with push-through cable entry Front IP65 IP65, with push-through cable entry Glass-fibre reinforced polycarbonate Enclosure base RAL 9005, black Operator only RAL 7035, light gray 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 hard knockout version 160
Material Image: Colour Colour Image: Colour Description Image: Colour Cable entry Image: Colour Dimensions Image: Colour Width Image: Colour Height Image: Colour Depth Image: Colour	mm mm	IP65, with push-through cable entry Glass-fibre reinforced polycarbonate Enclosure base RAL 9005, black Operator only RAL 7035, light gray 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 hard knockout version 160
Colour Description Cable entry Dimensions Width Height Depth	mm mm	Enclosure base RAL 9005, black Operator only RAL 7035, light gray 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 hard knockout version 160
Description Cable entry Dimensions Width Height Depth	mm mm	Operator only RAL 7035, light gray 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 hard knockout version 160
Cable entry Cable entry Dimensions Width Height Depth	mm mm	Control cable entry Lamp indicator L can be mounted in base knock-out M20/M25 hard knockout version 160
Dimensions Width Height Depth	mm mm	160
Width Height Depth	mm mm	
Height Depth	mm mm	
Depth	mm	240
Dimensions	mm	125
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	II 98 II 93 II 93 II 11 II 11 II 125
Mounting depth for mounting rail 7.5 mm height	mm	93
Features		With mounting rail to IEC/EN 60715



2 x M32/25 1 x M20



Back plate: 2 x M32/25

Technical data

General		
Standards		IEC/EN 60529 DIN EN 62208
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 $^{\rm o}{\rm C}$	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	Ω x 10 ¹¹	3 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		

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	V0/1.5 mm thickness
to UL 94	нв
Halogen free	Yes

Design verification as per IEC/EN 61439

Technical data for design verification			
Rated operational current for specified heat dissipation	In	А	0
Heat dissipation per pole, current-dependent	P _{vid}	W	0
Equipment heat dissipation, current-dependent	P _{vid}	W	0
Static heat dissipation, non-current-dependent	P _{vs}	W	0
Heat dissipation capacity	P _{diss}	W	26
Operating ambient temperature min.		°C	-25
Operating ambient temperature max.		°C	70
Degree of Protection			Front IP65
			IP65, with push-through cable entry
Max. radiated heat dissipation with separate mounting, ambient air temperature +20 $^{\circ}\mathrm{C}$		W	26
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)
Track resistance			CTI 175 (base, to IEC 60112) CTI 175 (cover, to IEC 60112)
Surface treatment			Resistant to corrosion
Impact resistance			IK06 according to EN 50102
Temperature resistant			-40 °C - 120 °C (enclosure) -40 °C - +80 °C (gasket)
UV resistance			Beneath protective shield
IEC/EN 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 thermal stability of enclosures			Meets the product standard's requirements.
10.2.3.2 Verification of resistance of insulating materials to normal heat			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			Meets the product standard's requirements.
10.2.4 Resistance to ultra-violet (UV) radiation			Please enquire
10.2.5 Lifting			Not applicable.
10.2.6 Mechanical impact			Does not apply, since the entire switchgear needs to be evaluated.
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.
10.8 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 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 leaflet (IL) is observed.

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

Withmm60Heightmm40Depthmm15With transparent coverMm15Suitable for emergency stopMmMmModelMmSurface mountingDegree of protection (IP)MmImm					
Heightnm240Depthmm15With transparent coverMm15Suitable for emergency stopMmMainModelMmSuiface mountingDegree of protection (IP)MmMmMainMmMmMainMmMmMainMmMmMainMmMmMainMmMmMainMm <td>Material housing</td> <td></td> <td>Plastic</td>	Material housing		Plastic		
Depthmm25With transparent coverImm125Suitable for emergency stopImmNoModelImmYesDegree of protection (IP)Imm </td <td>Width</td> <td>mm</td> <td>160</td>	Width	mm	160		
With transparent cover Model Model Model Model Model Degree of protection (IP) Model Model	Height	mm	240		
Suitable for emergency stop Yes Model Suiface mounting Degree of protection (IP) Image: Suiface mounting	Depth	mm	125		
Model Image: Constraint of the second seco	With transparent cover		No		
Degree of protection (IP)	Suitable for emergency stop		Yes		
	Model		Surface mounting		
Degree of protection (NEMA) Other	Degree of protection (IP)		IP65		
	Degree of protection (NEMA)		Other		

Dimensions

