DATASHEET - CI-K3-160-M

Part no. Catalog No.

EL-Nummer

(Norway)



Insulated enclosure, HxWxD=200x120x160mm, +mounting plate

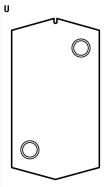


4138009



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 Control cable entry Lamp indicator L can be mounted in base knock-out M20/M25
Cable entry	hard knockout version
Dimensions	
Width	mm 120
Height	mm 200
Depth	mm 160
Dimensions	
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 1 133 1 128 1 10 1 60
Mounting depth with mounting plate	mm 133
Features	With mounting plate
Notes N N Knockouts 2 x M25/20	R Knockouts 2 × M25/20 1 × M20



Back plate: 2 x M25/20

Technical data General

Power loss Power loss Power loss Power loss Power loss Power loss Max. radiated heat dissipation with separate mounting, ambient air bmperature - 20 °C W 25.5 Material characteristics Suffer einforced polycarbonate Material Characteristics Gass-fibre reinforced polycarbonate Base Gass-fibre reinforced polycarbonate Cover Gass-fibre reinforced polycarbonate Surface treatment Suffer einforced polycarbonate Power lossing body Gase fibre reinforced polycarbonate Base Rel Gase Techtreat Suffer einforced polycarbonate Power lossing body Suffer einforced polycarbonate Techtreat Suffer einforced polycarbonate Techtreat Suffer einforced polycarbonate Power lossing body Suffer einforced polycarbonate Techtreat Suffer einforced polycarbonate Suffer einforced polycarbonate Suffer einforced polycarbonate Suffer einfor	General		
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begree of Protection image: approximation of the second	Climatic proofing		
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Max. radiated heat dissipation with separate mounting, ambient pire temperature : 0° °C 25 Material Characteristics Material Characteristics Base Galase After reinforced polycarhomate Cover Galase After reinforced polycarhomate Cover Resistant to consoin Surface treatment Resistant to consoin Color Resistant to consoin Base Resistant to consoin Material Poperties Resistant to consoin Tack resistance Image: Surface treatment in the surface treatment i	Degree of Protection		
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Material Image: State of the section of the sectin the section of the sectin the section of the		W	25.5
Base Ease-fibre reinforced polycarbonate Cover Giase-fibre reinforced polycarbonate Surface treatment Giase-fibre reinforced polycarbonate Colour Resistant to corrosion Base Mathematical Colour Base Mathematical Colour Base Mathematical Colour Mathematical properties Resistant to corrosion Tarck resistance to IEC 60083 Colour Surface resistance to IEC 60083 Colour Delectric strength to IEC 60083 Colour Impact resistance Colour Maunting rail Colour Maunting rail Colour Chemical resistant Res Maunting rail Social Colour Maunting rail Social Colour Maunting rail Colour Maunting rail Social Colour Maunting rail	Material characteristics		
CoverGlass fibre reinforced polycarbonateSurface treatmentResistant to corresionColourResistant to corresionBaseRel 3005, black (matt)Housing bodyRel 3005, black (matt)Housing bodyRel 3005, black (matt)Tark resistanceRel 3005, black (matt)Tark resistance to IEC 60083Image: Status on the Corresistance to IEC 60083Delectric strength to IEC 60043-1Image: Status on the CorresistanceTark resistance to IEC 60083Image: Status on the Corresistance to IEC 60043-1Image: Tark resistance to IEC 60083Image: Status on the Corresistance to IEC 60043-1Image: Tark resistance to IEC 60083Image: Status on the Corresistance to IEC 60043-1Image: Tark resistance to IEC 60043-1Image: Status on the Corresistance to IEC 60043-1Image: Tark resistance to IEC 60043-1Image: Status on the Corresistance to IEC 60043-1Image: Tark resistance to IEC 60043-1Image: Status on the Corresistance to IEC 60043-1Image: Tark resistance to IEC 60043-1Image: Status on the Corresistance to IEC 60043-1Image: Tark resistance to IEC 60043-1Image: Status on the Corresistance to IEC 60043-1Image: Tark resistance to IEC 60043-1Image: Status on the Corresistance to IEC 60043-1Image: Tark resistance to IEC 60043-1Image: Status on the Corresistance to IEC 60043-1Image: Tark resistance to IEC 60043-1Image: Status on the Corresistance to IEC 60043-1Image: Tark resistance to IEC	Material		
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Colour ALl 9005, black (math) Base ALl 9005, black (math) Musing body Ecolosure cover ALL 7005, light grey (math) Material properties Ecolosure cover ALL 7005, light grey (math) Track resistance Impact resistance Track resistance to EC 50093 Impact Network (Minitorial Control Network (Minitorial Co	Cover		Glass-fibre reinforced polycarbonate
Base RL 2005, black (mett) Housing body Inclosure cover RAL 7035, light grey (mat) Material properties Inclosure cover RAL 7035, light grey (mat) Teck resistance Inclosure cover RAL 7035, light grey (mat) Teck resistance Internal Teck resistance to IEC 60083 Internal Deleticit strength to IEC 60243-1 Internal Temperature resistant Internal Inpact resistance Internal Mechanical Internal Inpact resistance Internal Mounting rail Internal Chemical resistance Internal Inpact resistance Internal Chemical resistance Internal Inducting rail Internal Chemical resistance Internal Internal Internal Internal Internal Internal Internal Internal Internal Internal Internal Internal Internal	Surface treatment		Resistant to corrosion
Housing body Enclosure cover RAL 7035, light grey (matt) Housing body Enclosure cover RAL 7035, light grey (matt) Housing body In 175 (doover, to ECG 0012) Track resistance In 2 x 10 ³ Surface resistance to ECG 00033 In 2 x 10 ³ Dielectric strength to ECG 0023-1 In 2 x 10 ³ Temmal In 2 x 10 ³ Temperature resistant In 0 ⁻¹ C · 120 °C (enclosure) Mounting alter In 0 ⁻¹ C · 120 °C (enclosure) Mounting plate In 0 ⁻¹ C · 120 °C (enclosure) Mounting rail In 0 ⁻¹ C · 120 °C (enclosure) Chemical resistance In 0 ⁻¹ C · 120 °C (enclosure) Mounting rail In 0 ⁻¹ C · 120 °C (enclosure) Chemical resistance In 0 ⁻¹ C · 120 °C (enclosure) Involuting rail In 0 ⁻¹ C · 120 °C (enclosure) Chemical resistance In 0 ⁻¹ C · 120 °C (enclosure) Involuting rail In 0 ⁻¹ C · 120 °C (enclosure) Chemical resistance In 0 ⁻¹ C · 120 °C (enclosure) Involuting rail In 0 ⁻¹ C · 120 °C (enclosure) Involuting rail In 0 ⁻¹ C · 120 °C (enclosure) Involuting rail In 0 ⁻¹ C · 120 °C ·	Colour		
Material properties Item (Interpreting (Base		RAL 9005, black (matt)
Electrical Image: section of EC 60083 Electrical CT 175 (base, to IEC 60112) CT 175 (base, to IEC 60112) CT 175 (base, to IEC 60112) Surface resistance to IEC 60283 Image: section of EC 60283 Image: section of EC 60243-1 Dielectric strength to IEC 60243-1 Image: section of EC 60243-1 Image: section of EC 60243-1 Temperature resistant Image: section of EC 60243-1 Image: section of EC 60243-1 Mechanical Image: section of EC 60243-1 Image: section of EC 60243-1 Mechanical Image: section of EC 60243-1 Image: section of EC 60243-1 Image: resistance Image: section of EC 60243-1 Image: section of EC 60243-1 Mechanical Image: section of EC 60243-1 Image: section of EC 60243-1 Image: resistance Image: section of EC 60243-1 Image: section of EC 60243-1 Mounting rail Image: section of EC 60243-1 Image: section of EC 60243-1 Mounting rail Image: section of EC 60243-1 Image: section of EC 60243-1 Chemical resistant Image: section of EC 60243-1 Image: section of EC 60243-1 Atmospheric Image: section of EC 60243-1 Image: section of EC 60243-1 Atmospheric Image: section of EC 60243-1 Image: section of EC 60243-1			Enclosure cover RAL 7035, light grey (matt)
Tack resistance In 175 (base, to IEC 6012) Surface resistance to IEC 6003 In 175 (cover, to IEC 6012) Delectric strength to IEC 6024-1 MVmm Temmal OC 120 °C (aclosure) Temperature resistant OC 120 °C (aclosure) Inpact resistant OC 120 °C (aclosure) Inpact resistant Monting to IEC 6014) Mounting plate Mounting rail Mounting rail Mounting rail Chemical resistant Mounting rail Chemical resistant Sase, Over Resistant against: Acids < 10 %, mineral oil, alcohol, gasoline, greases, salt solutions	Material properties		
CTI 175 (cover, to IEC 6012) Surface resistance to IEC 60093 0 Dielectric strength to IEC 60243-1 KV/m Temperature resistant KV/m Temperature resistant 40°C · 120 °C (enclosure) Impact resistance 40°C · 120 °C (gasket) Impact resistance 40°C · 120 °C (gasket) Mounting plate Kg Mounting rail Kg Chemical resistance Kg Subicity Sasee, Cover Resistant against: Acids < 10 %, mineral oil, alcohol, gasoline, greases, salt solutions so	Electrical		
Dielectric strength to EC 60243-1 KV/mm 3 Thermal -40 °C - 120 °C (enclosure) -40 °C - 120 °C (enclosure) -40 °C - 480 °C (gasket) Mechanical -40 °C - 120 °C (enclosure) -40 °C - 480 °C (gasket) Impact resistance -40 °C - 120 °C (enclosure) -40 °C - 120 °C (motosure) Mounting plate -40 °C - 120 °C (enclosure) Mounting rail -40 °C - 120 °C (motosure) Chemical resistance -40 °C - 120 °C (motosure) Amounting rail -40 °C - 120 °C (motosure) Amounting rail -40 °C - 120 °C (motosure) Saline spray -40 °C - 120 °C (motosure) Murting plate -40 °C - 120 °C (motosure) Saline spray -40 °C - 120 °C (motosure) Murting plate -40 °C - 120 °C (motosure) Saline spray -40 °C - 120 °C (motosure) Murting plate -40 °C - 120 °C (motosure) Murting plate -40 °C - 120 °C (motosure) Murting plate -10 °C - 120 °C (motosure)	Track resistance		
Inernal 40 °C 120 °C (enclosure) -40 °C +80 °C (gasket) Mechanical 40 °C 120 °C (enclosure) -40 °C +80 °C (gasket) Impact resistance K06 according to EN 50102 Mounting plate kg 85 Mounting rail kg 88 Chemical resistance 88 Secover Resistant against: Acids < 10 %, mineral oil, alcohol, gasoline, greases, salt solutions Chemical resistant 88 Secover Partly resistant C: Acids > 10 %, mineral oil, alcohol, gasoline, greases, salt solutions Amospheric Partly Partly resistant C: Acids > 10 %, alkalis, benzene Not resistant C:	Surface resistance to IEC 60093	Ω x 10 ^{1:}	3 1
Temperature resistant 0 °C · 120 °C (enclosure) Mechanical - 40 °C · 400 °C (gasket) Impact resistance K06 according to EN 50102 Mounting plate 0 85 Mounting rail Mounting rail Chemical resistance 88 Chemical resistance 88 Chemical resistance 88 Chemical resistance	Dielectric strength to IEC 60243-1	kV/mm	30
Mechanical 40 °C + 80 °C (gasket) Mechanical K66 according to EN 50102 Impact resistance K66 according to EN 50102 Mounting plate Meg Mounting rail Kg Mencial resistance Sase Cover Chemical resistante Sase, Cover Answight Sase, Cover Resistant against. Acids < 10 %, mineral oil, alcohol, gasoline, greases, salt Solitons	Thermal		
Impact resistance K66 according to EN 50102 Impact resistance K8 Mounting rail K8 Chemical resistance K8 Chemical resistant K8 Chemical resistant K8 Amospheric K8 Saline spray K60 according to EN 50102 UV resistance K8 K1 K8 K1 K8 K1 K1 K2 K1 K2 K2 K2 K2 K2 K2 K2 K2	Temperature resistant		
max. assembly weightsinitial constraintsMounting plateImage: ConstraintsMounting railImage: ConstraintsChemical resistanceImage: ConstraintsChemical resistantImage: ConstraintsAtmosphericImage: ConstraintsSaline sprayImage: ConstraintsUV resistanceImage: ConstraintsUV resistanceImage: ConstraintsChemical resistanceImage: ConstraintsChemical resistanceImage: ConstraintsChemical resistanceImage: ConstraintsChemical resistanceImage: ConstraintsChemical resistantImage: Con	Mechanical		
Mounting platekg.85Mounting railkg.85Chemical resistanceMounting rail.85Chemical resistantSales, 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 %, alkalis, benzene Not resistant to: Acids > 10 %, alkalis, benzene, salt solutions Partly resistant to: Acids > 10 %, alkalis, benzene, salt solutions Partly resistant to: Acids > 10 %, alkalis, benzene and the component of the component o	Impact resistance		IK06 according to EN 50102
Mounting railkg0.85Chemical resistanceImage: Chemical resistantSase, Cover Resistant against: Acids < 10 %, mineral oil, alcohol, gasoline, greases, salt solutions Partly resistant to: Acids > 10 %, alcohol yush-through membrane (CI-K1/CI-K2) and sealing material Resistant to: alkalis, benzene yush-through membrane (CI-K1/CI-K2) and sealing material Resistant to: Acids > 10 %, alcohol yush-through membrane (CI-K1/CI-K2) and sealing material Resistant to: Alkalis, benzene Not resistant to: Acids > 10 %, alcohol yush-through membrane (CI-K1/CI-K2) and sealing material Resistant to: Alkalis, benzene, salt solutions Partly resistant to: Acids > 10 %, alcohol yush-through membrane (CI-K1/CI-K2) and sealing material Resistant to: Alkalis, benzene, salt solutions Partly resistant to: Acids > 10 %, alcohol yush-through membrane (CI-K1/CI-K2) and sealing material Resistant to: Alidis > 10 %, alcohol yush-through membrane (CI-K1/CI-K2) and sealing material Resistant to: Acids > 10 %, alcohol yush-through membrane (CI-K1/CI-K2) and sealing material Resistant to: Acids > 10 %, alcohol yout resistant to: Alcohol yout resistant to: Alcohol yout resistant to: Alcohol yout resistant to: Alcohol	max. assembly weights		
Chemical resistant Image: Chemical resistant Chemical resistant Image: Chemical resistant Chemical resistant Image: Chemical resistant Saline spray Image: Chemical resistant OV resistant ce Image: Chemical resistant OV resistant ce Image: Chemical resistant ce Saline spray Image: Chemical resistant ce OV resistant ce Image: Chemical resistant ce Image: Chemical resistant ce Image: Chemical resistant ce Saline spray Image: Chemical resistant ce Image: Chemical resistant ce Image: Chemical resistant ce Image:	Mounting plate	kg	0.85
Chemical resistantBase, 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: Akids > 10 %, greases, benzene, salt solutions Partly resistant to: Mineral oil, benzeneAtmosphericIEC 60068-2-11Saline sprayIEC 60068-2-11UV resistanceIEC 60068-2-11	Mounting rail	kg	0.85
AtmosphericIsolation <td>Chemical resistance</td> <td></td> <td></td>	Chemical resistance		
Saline spray IEC 60068-2-11 UV resistance IEC 60068-2-11	Chemical resistant		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	Atmospheric		
	Saline spray		IEC 60068-2-11
Water consumption to DIN EN ISO 62 % 0.29	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	HB
Halogen free	Yes

Design verification as per IEC/EN 61439

Technical data for design verification In A 0 Rated operational current for specified heat dissipation In A 0 Heat dissipation per pole, current-dependent Pvid W 0 Equipment heat dissipation, current-dependent Pvid W 0 Static heat dissipation, non-current-dependent Pvs W 0	
Heat dissipation, current-dependent Pvid W Pvid W	
Equipment heat dissipation, current-dependent P _{vid} W 0	
Static heat dissination non-current-dependent P W/ 0	
Heat dissipation capacity P _{diss} W 25.5	
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 W 25.5 temperature +20 °C	
Flammability characteristics 960 °C/1mm thickness (base, cover; glow win 650 °C/1mm thick (push-through membrane)	
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.	i.
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	
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.	í.
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	
10.9.4 Testing of enclosures made of insulating material Meets the product standard's requirements.	<i>i</i> .
10.10 Temperature rise The panel builder is responsible for the temp provide heat dissipation data for the devices	
10.11 Short-circuit rating Is the panel builder's responsibility. The spec	cifications for the switchgear must be
10.12 Electromagnetic compatibility Is the panel builder's responsibility. The spen observed.	cifications for the switchgear must be
10.13 Mechanical function The device meets the requirements, provide leaflet (IL) is observed.	ed the information in the instruction

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])

Material housing			Plastic	
Width	m	ım	120	
Height	m	ım	200	
Depth	m	ım	160	
With transparent cover			No	
Suitable for emergency stop			Yes	
Model			Surface mounting	
Degree of protection (IP)			IP65	
Degree of protection (NEMA)			Other	

Dimensions

