

### Insulated enclosure, HxWxD=280x200x125mm, +mounting plate

Part no. Article no.

CI-K5-125-M 206899



## **Delivery program**

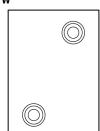
Delivery program		
Product range		CI-K small enclosures
Basic function		Basic enclosures
Product function		CI-K empty enclosures
Single unit/Complete unit		Single unit
Degree of Protection		Front IP65 IP65, with push-through cable entry
Degree of Protection		Front IP65 IP65, with push-through cable entry
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	200
Height	mm	280
Depth	mm	125
Dimensions	mm	
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	
Mounting depth with mounting plate	mm	98
Features		with DIN-rail (weight of fitted components max. 1.7 kg)
Notes P		

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#### Knockouts 2 x M50/40/25 1 x M20

w



Back plate: 2 x M50/40/25

# Technical data

Sindards Interface products	General			
Ambient temperature     Damp het typein, to IEE 00088-2-30       Ambient temperature     5 - 57       Degree of Protection     Foot 1P63       Protection     Foot 1P63       Max. calitate hast insignation with separate mounting, ambient air imperature 30 °Cs 1000     Foot 1P63       Max. calitate hast insignation with separate mounting, ambient air imperature 30 °Cs 1000     Safether terinforced polycarbonate       Material Characteristics     Gase-fifther reinforced polycarbonate       Material Characteristics     Gase-fifther reinforced polycarbonate       Retreament     Gase-fifther reinforced polycarbonate       Courd     Gase-fifther reinforced polycarbonate       Base     Courd     Gase-fifther reinforced polycarbonate       Retreament     Gase-fifther reinforced polycarbonate       Courd     Courd     Gase-fifther reinforced polycarbonate       Retreament     Gase-fifther reinforced polycarbonate       Retreament     Gase-fifther reinforced polycarbonate       Retreament     Courd     Gase-fifther reinforced polycarbonate       Retreament     Courd     Gase-fifther reinforced polycarbonate       Retreament     Courd     Gase-fifther reinforced polycarbonate	Standards			
Degree of Protection     Protection     Protection       Degree of Protection     Protection     Protection       Max. radiate beat displation with separate mouning, ambient air memperature -20°C     W     3       Max. radiate beat displation with separate mouning, ambient air memperature -20°C     W     3       Mattrial characteristics     W     3       Mattrial characteristics     Base     Base - fibre reinforced polycarbonate       Base     Base - fibre reinforced polycarbonate     Base - fibre reinforced polycarbonate       Roterial     Base - fibre reinforced polycarbonate     Base - fibre reinforced polycarbonate       Roter polycarbonate     Base - fibre reinforced polycarbonate     Base - fibre reinforced polycarbonate       Roter polycarbonate     Base - fibre reinforced polycarbonate     Base - fibre reinforced polycarbonate       Roter polycarbonate     Fibre reinforced polycarbonate     Base - fibre reinforced polycarbonate       Roter polycarbonate     Fibre reinforced polycarbonate     Fibre reinforced polycarbonate       Roter polycarbonate     Fibre reinforced polycarbonate     Fibre reinforced polycarbonate       Roter polycarbonate     Fibre reinforced polycarbonate     Fibre reinforced polycarbonate	Climatic proofing			
Prover loss     PBS. with push-through cable entry       Power loss     PBS. with push-through cable entry       Max. radiate bear dissipation with separate mounting, ambient air torgo roture i.20 °C     PBS. with push-through cable entry       Mattrial Extractoristics     Second     Second       Base     Gases-flore reinforced polycarbonate     Second       Cover     Gases-flore reinforced polycarbonate     Second       Colour     Resistant to corosion     Second       Base     Second     Second     Second       Robust poly     Second     Second     Second     Second       Robust poly     Second	Ambient temperature	°C		
Max. radiated heat dissipation with separate mounting, ambient air temperature 420 °C     S       Material Characteristics        Material Characteristics     Base       Base     Base fibre reinforced polycathonate       Cover     Base fibre reinforced polycathonate       Material properties     Encourte cover RAL7025, light grey (matt)       Material properties     Encourte cover CAL7025, light grey (matt)       Material properties     Encourte cover CAL7025, light grey (matt)       Surface resistance to EC 60033     Image for the fibre f	Degree of Protection			
Interview 20 °C     Material     Material       Material     Material     Gase - Fiber centorced polycarbonate       Base     Gase - Fiber centorced polycarbonate     Gase - Fiber centorced polycarbonate       Covor     Gase - Fiber centorced polycarbonate     Gase - Fiber centorced polycarbonate       Surface treatment     Gase - Fiber centorced polycarbonate     Gase - Fiber centorced polycarbonate       Colour     Base     RAL 3005, black (matt)     Gase - Fiber centorced polycarbonate       Material properties     Forder centor centor centor RAL 7005, light grey (matt)     Forder centor centor centor RAL 7005, light grey (matt)       Surface resistance to ECE 50095     Gase - Status     CT1 175 (base, to EC 60112)       Temperature resistant     Gase - Status     CT1 75 (base, to EC 6012)       Delectric strength of EC 60243-1     Material     Gase - Gase	Power loss			
MatrialAnd and a set of the s		W		35
Base Also fibre reinforced polycarbonata   Colver Glass-fibre reinforced polycarbonata   Surface treatment Celescarbor excitosion   Color Also (Shak (mart))   Base Also (Shak (mart))   Housing body Enclosure cover RAL 7035, light grey (matt)   Material properties Techsen cover RAL 7035, light grey (matt)   Track resistance Ti 175 (hase, to IEC 60112)   Track resistance bi IEC 60093 Cover   Surface resistance bi IEC 60093 Cover   Tomperture resistant Cover   Inpact resistance Cover   Mechanical Cover   Mounting plate Max   Mounting rai Cover   Chemical resistance Surface resistant   Mounting rai Cover   Mounting rai Cover   Mounting rai Cover   Chemical resistance Surface resistance   Mounting rai Cover   Mounting rai Cover   Alse school (String) Surface cover   Resistant against Actios 10 %, sineral oil, alcohol, gasoline, greeses, sant aduitons   Profestance Surface cover   Mounting rai Cover   Chemical resistant Surface cover   Resistant quainst Actios 10 %, sineral oil, a	Material characteristics			
Cover Isas-fibre reinforced polycarbonate   Surface treatment Resistant to corosion   Colour Resistant to corosion   Base Resistant to corosion   Base Resistant docrosion   Material properties Resistant docrosion   Surface resistance Introduction   Dielectric strength to IEC 60093 Colour   Surface resistant Colour   Tamperature resistant Mounting reli   Mechanical Mounting reli   Impact resistance Mounting reli   Mounting reli Mounting reli   Chemical resistance Mounting reli   Mounting reli Mounting reli   Chemical resistance Mounting reli   Mounting reli Mounting reli   Chemical resistant Mounting reli   Chemical resistance Mounting reli   Chemical resistance Mounting reli   Chemical resistance Mounting reli   Mounting reli Mounting reli   Chemical resistance Mounting reli   Chemical resistant doconce Mounting reli <t< td=""><td>Material</td><td></td><td></td><td></td></t<>	Material			
Surface treatment Image: Surface treatment See </td <td>Base</td> <td></td> <td></td> <td>Glass-fibre reinforced polycarbonate</td>	Base			Glass-fibre reinforced polycarbonate
Colour Image: Second	Cover			Glass-fibre reinforced polycarbonate
Base RAL 9005, black (meth)   Housing body Enclosure cover RAL 7035, light grey (math)   Material properties Image: Cover RAL 7035, light grey (math)   Electrical Image: Cover RAL 7035, light grey (math)   Tarak resistance Image: Cover RAL 7035, light grey (math)   Surface resistance Image: Cover RAL 7035, light grey (math)   Dielectric strength to IEC 60093 Image: Cover Ral 703, light grey (math)   Dielectric strength to IEC 60243-1 Image: Cover Ral 703, light grey (math)   Temperature resistant Image: Cover Ral 703, light grey (math)   Mechanical Image: Cover Ral 703, light grey (math)   Inspect resistance Image: Cover Ral 703, light grey (math)   Mounting plate Image: Cover Ral 703, light grey (math)   Mounting rail Image: Cover Ral 703, light grey (math)   Chemical resistant Image: Cover Ral 703, light grey (math)   Resistant against: Acids < 10 %, mineral oil, alcohol, gasoline, greeses, sath solutions Party resistant to: Acids > 10 %, site oil allo, honzone Party resistant to: Acids > 10 %, site oil allo, solutose Party resistant to: Acids > 10 %, site oil allo, solutose Party resistant to: Acids > 10 %, site oil allo, solutose Party resistant to: Acids > 10 %, site oil allo, solutose Party resistant to: Acids > 10 %, site oil allo, solutose Party resistant to: Acids > 10 %, site oil allo, solutose Party resistant to: Acids > 10 %, site oil allo, solutose Party resistant to: Acids > 10 %, site oil allo, solutose Party resistant to: Acids > 10 %, site oi	Surface treatment			Resistant to corrosion
Housing body Inclosure cover RAL 7035, light grey (matt)   Material properties   Electrical   Tack resistance   Tack resistance to IEC 60093   Dielectric strength to IEC 60243-1   Temperature resistant   Temperature resistant   Mechanical   Impact resistance   Impact resistance   Mounting plate   Mounting plate   Chemical resistance   Chemical resistance   Mounting plate   Chemical resistance   Chemical resistance   Mounting plate   Chemical resistance   Mounting rail   Chemical resistance   Mounting rail   Chemical resistance   Mounting rail   Chemical resistance   Mounting rail   Chemical resistant   Mounting rail   Chemical resi	Colour			
Material properties     Electrical   Image: Properties     Surface resistance   Image: Properties     Surface resistance to IEC 60083   Image: Properties     Dielectric strength to IEC 60243-1   Image: Properties     Temperature resistant   Image: Properties     Imperature resistant   Image: Properties     Mechanical   Image: Properties     Impact resistance   Image: Properties     Mounting plate   Image: Properties     Mounting plate   Image: Properties     Chemical resistance   Image: Properties     Image: Properties   Image: Properties     Mounting rail   Image: Properties     Chemical resistant   Image: Properties     Mounting rail   Image: Properties     Chemical resistant   Properties     Mounting rail   Image: Properities     Chemical resistant   <	Base			RAL 9005, black (matt)
Electrical Mathematical   Track resistance CT 175 (base, to IEC 6012) CT 175 (cover, to IEC 6012) CT 175 (cover, to IEC 6012)   Surface resistance to IEC 60093 Image: Cover to IEC 6012   Temperature resistant Image: Cover to IEC 60093   Temperature resistant Image: Cover to IEC 60093   Impact resistance Image: Cover to IEC 60093   Image: Resistance Image: Cover to IEC 60093   Image: Resistance Image: Cover to IEC 60093   Chemical resistance Image: Cover to IEC 60093   Chemical resistance Image: Cover to IEC 60093   Resistant against: Acids < 0 %, mineral oil, alcohol, gasoline, greases, salt solutions partity resistant to: Acids > 10 %, alkalis, benzene to: All cover to IEC 60013   Resistant against: Acids < 0 %, alkalis, benzene to: All cover to IEC 60013	Housing body			Enclosure cover RAL 7035, light grey (matt)
Track resistanceImage: The sestence to EC 60083Image: The sestence to EC 600833Image: The sestence to EC 600833Ima	Material properties			
Surface resistance to IEC 60093   Import resistance to IEC 60023-1   Import resistance to IEC 60023-1     Deletectric strength to IEC 60024-1   Import resistance   Import resistance     Temparature resistant   Import resistance   Import resistance     Impact resistance   Import resistance   Import resistance     Impact resistance   Import resistance   Import resistance     Impact resistance   Import resistance   Import resistance     Import resistance   Import resistance   Import resistance resistance     Import resistance   Import resistance resistance resistance   Import resistance r	Electrical			
Image: Control of the control of t	Track resistance			
Thermal   Image: Temperature resistant   -40 °C · 120 °C (enclosure) - 40 °C · 400 °C (gasket)     Mechanical   -40 °C · 400 °C (gasket)     Impact resistance   K06 according to EN 50102     max. assembly weights   K06 according to EN 50102     Mounting plate   kg     Mounting rail   kg     Chemical resistance   Kg     Chemical resistance   Kg     Mounting rail   Sase, Cover     Resistant against: Acids < 10 %, mineral oil, alcohol, gasoline, greases, salt solutions Partly resistant to: Akids > 10 %, mineral oil, alcohol, gasoline, greases, salt solutions Partly resistant to: Akids > 10 %, greases, benzene Partly resistant to: Akids > 10 %, greases, benzene alsolutions Partly resistant to: Akids > 10 %, greases, benzene alsolutions Partly resistant to: Akids > 10 %, greases, benzene alsolutions Partly resistant to: Akids > 10 %, greases, benzene Antroph membrane (CI-KV/CI-K2) and sealing material Resistant against: Acids < 10 %, alkaline, benzene, salt solutions Partly resistant to: Akids > 10 %, greases, benzene Partly resistant to: Akids > 10 %, greases, benzene Partly resistant to: Akids > 10 %, greases, benzene Partly resistant to: Akids > 10 %, greases, benzene Partly resistant to: Akids > 10 %, greases, benzene Partly resistant to: Akids > 10 %, greases, benzene Partly resistant to: Akids > 10 %, greases, benzene Partly resistant to: Akids > 10 %, greases, benzene Partly resistant to: Akids > 10 %, greases, benzene Partly resistant to: Akids > 10 %, greases, benzene Partly resistant to: Akids > 10 %, greases, benzene Partly resistant to: Akids > 10 %, greases, benzene Partly resista	Surface resistance to IEC 60093	Ωx	x 10 <sup>13</sup>	1
Temperature resistant   40 °C · 120 °C (enclosure) -40 °C · 480 °C (gasket)     Mechanical   Impact resistance     Impact resistance   K66 according to EN 50102     Mounting plate   kg     Mounting rail   Impact resistance     Chemical resistance   kg     Chemical resistance   Impact resistance     Chemical resistance   kg     Resistant against: Acids < 10 %, mineral oil, alcohol, gasoline, greases, salt solutions	Dielectric strength to IEC 60243-1	kV/	//mm	30
Mechanical -40 °C + 40 °C (gasket)   Mechanical Mountresistance   max. assembly weights K06 according to EN 50102   Mounting plate kg   Mounting rail kg   Chemical resistance Sase, Cover   Resistant against: Acids < 10 %, mineral oil, alcohol, gasoline, greases, salt solutions	Thermal			
Impact resistanceIK06 according to EN 50102max. assembly weightsFORMounting platekgMounting railKgChemical resistanceBase, Cover Resistant against: Acids < 10 %, nineral oil, alcohol, gasoline, greases, salt solutions Partly resistant to: Acids > 10 %, alcohol Not resistant to: Acids > 10 %, alcohol Not resistant to: Acids > 10 %, greases, benzene Not resistant to: Acids > 10 %, greases, benzene No	Temperature resistant			
max. assembly weights image: max descent to the second descent des	Mechanical			
Mounting plate   kg   1     Mounting rail   kg   1     Chemical resistance   Environmentation of the second of t	Impact resistance			IK06 according to EN 50102
Mounting railkg1Chemical resistanceEase, 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 %, alcohol Not resistant to: alkalis, benzene Push-through membrane (Cl-K1/Cl-K2) and sealing material Resistant against: Acids < 10 %, alcohol Not resistant to: Acids > 10 %, alcohol Not resistant to: Mineral oil, benzene Not resistant to: Mineral oil, benzene Not resistant to: Mineral oil, benzeneAtmosphericImage: Image: Ima	max. assembly weights			
Chemical resistance   Base, Cover     Chemical resistant   Base, Cover     Resistant against: Acids < 10 %, mineral oil, alcohol, gasoline, greases, salt solutions	Mounting plate	kg		1
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: alkalis, benzene Push-through membrane (CI-K1/CI-K2) and sealing material Resistant against: Acids < 10 %, greases, benzene, salt solutions Partly resistant to: Acids > 10 %, greases, benzene Not resistant to: Mineral oil, benzeneAtmosphericImage: Image: Ima	Mounting rail	kg		1
AtmosphericResistant 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, salt solutions Partly resistant to: 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: 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: Acids > 10 %, alkalis, benzene Not resistant to: Acids	Chemical resistance			
	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
Saline spray IEC 60068-2-11	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		
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	35
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 6.0**

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@ss8.1-27-37-13-01 [AKN343011])

Material housingPlasticWidthmm200Heightmm280Depthmm15	
Height mm 280   Depth mm 125	
Depth mm 125	
NOT A STATE OF A STATE	
With transparent cover No	
Suitable for emergency stop Yes	
Model Surface mounting	
Degree of protection (IP) IP65	

## Dimensions

