DATASHEET - CI-K2H-145-M



Insulated enclosure, HxWxD=160x100x145mm, +mounting plate



Part no. CI-K2H-145-M Catalog No. 229307

EL-Nummer (Norway)

4138018

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	100
Height	mm	160
Depth	mm	145
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	145
Mounting depth with mounting plate	mm	124
Features		With mounting plate

Notes





Knockouts

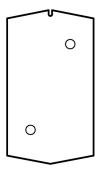
2 X M25 or push-through membrane up to max. \varnothing 16 mm

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Knockouts

 $2\,x\,M25$ or push-through membrane up to a max. diameter of 16 mm and 1 push-through membrane up to a max. diameter of 8 mm



Back plate: 2 x push-through membrane up to max. \varnothing 11mm (not for CI-K2H)

Technical data

Saline spray UV resistance

Flammability characteristics

Water consumption to DIN EN ISO 62

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 $^{\circ}\text{C}$	W	18.5
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	0.7
Mounting rail	kg	0.7
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 (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
Atmospheric		

%

IEC 60068-2-11

0.29

Beneath protective shield

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	VO/1.5 mm thickness
to UL 94	НВ
Halogen free	Yes

Design verification as per IEC/EN 61439

Track resistance Surface treatment Impact resistance Impact resista	Fechnical data for design verification			
Ecuprement heat dissipation, con-current dependent Pea W 0 Static heat dissipation, con-current dependent Pea W 125 Static heat dissipation, con-current dependent Pea W 125 Operating ambient temperature max. Per W 125 Operating ambient temperature max. Operating ambient temperature max and ambient of the Operating ambient in the Operating ambient to Operating ambient in the Operating ambient i	Rated operational current for specified heat dissipation	In	Α	0
Static heat dissipation, non-current-dependent Heat dissipation, paperby Operating ambient temperature min. 1	Heat dissipation per pole, current-dependent	P_{vid}	W	0
Heat dissipation capacity Operating ambient temperature min. Max. radiated fineat dissipation with separate mounting, ambient air temperature rad "C Foort IPSS (with push-through cable entry IPSS, with push-through cable entry IPSS, with push-through cable entry IPSS, with push-through membrane and seal material to VIDE OPT Part 2 SSD "C/Imm thickness these, cover glow wire to VIDE OPT Part 2 SSD "C/Imm thickness these, cover glow wire to VIDE OPT Part 2 SSD "C/Imm thickness these, cover glow wire to VIDE OPT Part 2 SSD "C/Imm thickness these, cover glow wire to VIDE OPT Part 2 SSD "C/Imm thickness these, cover glow wire to VIDE OPT Part 2 SSD "C/Imm thickness these, cover glow wire to VIDE OPT Part 2 SSD "C/Imm thickness these, cover glow wire to VIDE OPT Part 2 SSD "C/Imm thickness these, cover glow wire to VIDE OPT Part 2 SSD "C/Imm thickness these, cover glow wire to VIDE OPT Part 2 SSD "C/Imm thickness these, cover glow wire to VIDE OPT Part 2 SSD "C/Imm thickness these, cover glow wire to VIDE OPT Part 2 SSD "C/Imm thickness these, cover glow wire to VIDE OPT Part 2 SSD "C/Imm thick loads the cover glow wire to VIDE OPT Part 2 SSD "C/Imm thick loads the cover glow wire to VIDE OPT Part 2 SSD "C/Imm thickness these, cover glow wire to VIDE OPT Part 2 SSD "C/Imm thickness these, cover glow wire to VIDE OPT Part 2 SSD "C/Imm thickness these, cover glow wire to VIDE OPT Part 2 SSD "C/Imm thickness these, cover glow wire to VIDE OPT Part 2 SSD "C/Imm thickness these, cover glow wire to VIDE OPT Part 2 SSD "C/Imm thickness these, cover glow wire to VIDE OPT Part 2 SSD "C/Imm thickness these, cover glow wire to VIDE OPT Part 2 SSD "C/Imm thickness these, cover glow wire to VIDE OPT Part 2 SSD "C/Imm thickness these, cover glow wire to VIDE OPT Part 2 SSD "C/Imm thickness these, cover glow wire to VIDE OPT Part 2 SSD "C/Imm thickness these,	Equipment heat dissipation, current-dependent	P_{vid}	W	0
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Operating ambient temperature max. Or 70 Orgono affing ambient temperature max. Max. radiated heat dissipation with separate meunting, ambient air temperature. 2014 Max. radiated heat dissipation with separate meunting, ambient air temperature. 2014 Flammability characteristics W 18.5 Front IPSS W 18.5 Front IPSS W 18.5 W 18.5 Front IPSS W 18.5 Front IPSS W 18.5 W 18.5 Front IPSS W 18.5 W 18.	Heat dissipation capacity	P _{diss}	W	18.5
Degree of Protection Max. radiated heat dissipation with separate mounting, ambient air temperature v. 20° C Flammability characteristics Sep 50° C/Imm thickness base, cover, glow wire to VDE 0471 Part 21 etc. 150° C/Imm thickness base, cover, glow wire to VDE 0471 Part 21 etc. 150° C/Imm thickness base, cover, glow wire to VDE 0471 Part 21 etc. 150° C/Imm thickness base, cover, glow wire to VDE 0471 Part 21 etc. 150° C/Imm thickness base, cover, glow wire to VDE 0471 Part 21 etc. 150° C/Imm thickness base, cover, glow wire to VDE 0471 Part 21 etc. 150° C/Imm thickness base, cover, glow wire to VDE 0471 Part 21 etc. 150° C/Imm thickness base, cover, glow wire to VDE 0471 Part 21 etc. 150° C/Imm thickness base, cover, glow wire to VDE 0471 Part 21 etc. 150° C/Imm thickness base, cover, glow wire to VDE 0471 Part 21 etc. 150° C/Imm thickness base, cover, glow wire to VDE 0471 Part 21 etc. 150° C/Imm thickness base, cover, glow wire to VDE 0471 Part 21 etc. 150° C/Imm thickness base, cover, glow wire to VDE 0471 Part 21 etc. 150° C/Imm thickness base, cover, glow wire to VDE 0471 Part 21 etc. 150° C/Imm thickness base, cover, glow wire to VDE 0471 Part 21 etc. 150° C/Imm thickness base, cover, glow wire to VDE 0471 Part 21 etc. 150° C/Imm thickness base, cover, glow wire to VDE 0471 Part 21 etc. 150° C/Imm thickness base, cover, glow wire to VDE 0471 Part 21 etc. 150° C/Imm thickness base, cover, glow wire to VDE 0471 Part 21 etc. 150° C/Imm thickness base, cover, glow wire to VDE 0471 Part 21 etc. 150° C/Imm thickness base, cover, glow wire to VDE 0471 Part 22 etc. 150° C/Imm thickness base, cover, glow wire to VDE 0471 Part 22 etc. 150° C/Imm thickness base, cover, glow wire to VDE 0471 Part 22 etc. 150° C/Imm thickness base, cover, glow wire to VDE 0471 Part 22 etc. 150° C/Imm thickness base, cover, glow wire to VDE 0471 Part 22 etc. 150° C/Imm thickness base, cover, glow wire to VDE 0471 Part 24 etc. 150° C/Imm thickness base, c	Operating ambient temperature min.		°C	-25
PSS. with push-through cable entry Mas. radiated heat discipation with separate mounting, ambient air Immerature - 20°C** Fammability characteristics Section Sectio	Operating ambient temperature max.		°C	70
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Surface treatment Impact resistance Impact resistance Impact resistance Invariance Impact resistance Invariance Invarianc	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)
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Temperature resistant 40 °C - 120 °C (enclosure) -40 °C - 140 °C (gasket) Beneath protective sheld ECEN 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 resistance of insulating materials to normal heat 10.2.3 Strength of materials and parts 10.2.4 Perification of resistance of insulating materials to normal heat 10.2.3 Strength of resistance of insulating materials to abnormal heat 10.2.3 Strength on of resistance of insulating materials to abnormal heat 10.2.4 Resistance to ultra-violet (UV) radiation 10.2.5 Ithing 10.2.5 Ithing 10.2.5 Ithing 10.2.5 Ithing 10.2.7 Inscriptions 10.2.7 Inscriptions 10.3 Degree of protection of ASSEMBLIES 10.4 Clearances and creepage distances 10.5 Protection against electric shock 10.5 Incorporation of switching devices and components 10.5 Incorporation of switching devices and components 10.5 Incorporation of switching devices and components 10.8 Connections for external conductors 10.9 Insulation properties 10.9 Power-frequency electric strength 10.9 Insulation properties 10.9 Insulation properties 10.1 Tetrang of enclosures made of insulating material 10.10 Temperature rise 10.10 Temperature rise 10.11 Short-circuit rating 10.10 Temperature rise 10.10 Temperature rise 10.11 Short-circuit rating 10.12 Electromagnetic compatibility 10.13 Mechanical function 10.14 Mechanical function 10.15 Mechanical function 10.16 Mechanical function 10.16 Mechanical function 10.17 Mechanical function 10.18 Mechanical function 10.19 Mechanical function 10.19 Mechanical function 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				
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	10.12 Electromagnetic compatibility			Is the panel builder's responsibility. The specifications for the switchgear must b 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 (ecl@ss10.0.1-27-37-13-01 [AKN343014])

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Material housing		Plastic
Width	mm	100
Height	mm	160
Depth	mm	145
With transparent cover		No
Suitable for emergency stop		Yes
Model		Surface mounting
Degree of protection (IP)		IP65
Degree of protection (NEMA)		Other

Dimensions

