



Insulated enclosure, HxWxD=240x160x160mm, +mounting rail

Part no. CI-K4-160-TS
Article no. 206890

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
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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

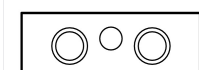
Dimensions

Width	mm	160
Height	mm	240
Depth	mm	160
Dimensions	mm	

Enclosure depth

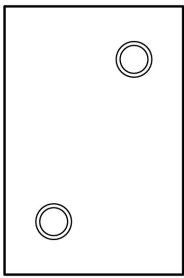
Legend for the graphic		Dimensions from top: Mounting depth with mounting plate Mounting depth for mounting rail 7.5 mm height Mounting depth for mounting rail 15 mm height
Enclosure depth	mm	
Mounting depth for mounting rail 7.5 mm height	mm	128
Features		With mounting rail to IEC/EN 60715

Notes



Knockouts
2 x M32/25
1 x M20

V



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 °C		W	29.5

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	0.9
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		VO/1.5 mm thickness
to UL 94		HB
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 °C	W	29.5
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		
10.2.2.1 Verification of thermal stability of enclosures		
10.2.2.2 Verification of resistance of insulating materials to normal heat		
10.2.2.3 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		
10.2.6 Mechanical impact		
10.2.7 Inscriptions		
10.3 Degree of protection of ASSEMBLIES		
10.4 Clearances and creepage distances		
10.5 Protection against electric shock		
10.6 Incorporation of switching devices and components		
10.7 Internal electrical circuits and connections		
10.8 Connections for external conductors		
10.9 Insulation properties		
10.9.2 Power-frequency electric strength		
10.9.3 Impulse withstand voltage		
10.9.4 Testing of enclosures made of insulating material		
10.10 Temperature rise		
10.11 Short-circuit rating		
10.12 Electromagnetic compatibility		
10.13 Mechanical function		

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 housing		Plastic
Width	mm	160
Height	mm	240
Depth	mm	160

With transparent cover		No
Suitable for emergency stop		Yes
Model		Surface mounting
Degree of protection (IP)		IP65

Dimensions

