# **DATASHEET - CI-K1-95-TS**



#### Insulated enclosure, HxWxD=120x80x95mm, +mounting rail

Powering Business Worldwide

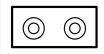
CI-K1-95-TS Part no. Catalog No. 206881

**EL-Nummer** (Norway)

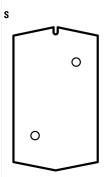
4138000

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 Push-through cable entry diaphragm Lamp indicator L can be mounted in base knock-out M20/M25
Cable entry		Push-through cable entry diaphragm
Dimensions		
Width	mm	80
Height	mm	120
Depth	mm	95
Dimensions	mm	S 28 22 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
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	95
Mounting depth for mounting rail 7.5 mm height	mm	72
Features		With mounting rail to IEC/EN 60715

#### Notes



Knockouts 2 X M20 or push-through membrane up to max.  $\varnothing$  12 mm



Back plate: 2 x push-through membrane up to max.  $\varnothing$  8mm

#### **Technical data** General

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	10
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		IK04 according to EN 50102
max. assembly weights		
Mounting plate	kg	0.5
Mounting rail	kg	0.5
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		
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 and seal material) 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**

Operating ambient temperature max.  Operating ambient temperature max.  Degree of Protection  Max. radiated hear dissipation with separate mounting, ambient air temperature + 20°C  Finest, 1955  Surface treatment  Impact resistance  CTI 175 (bases, to EC 60112)  Resistant to corrosion  Mosts the product standard's requirements.  Mosts the product standar	Design vernication as per IEG/EN 01433		
Operating ambient temperature max.  Degree of Protection  Max. redisted heat dissipation with separate mounting, ambient air progressive 20°C of the separate 20°C of the separat	Technical data for design verification		
Pegree of Protection  Max. radiated heart dissipation with separate mounting, ambient air temperature +20°C  Flammability characteristics  Staffact resistance  CTI 175 (bese, to IEC 60112)  Surface treatment  Resistant to corrosion  INCA according to EN 50102  Temperature resistance  INCA according to EN 50102  Temperature resistance  IV resistance  Resistant to corrosion  IV resistance  Resistance to Corrosion resistance of Installating materials to mornal heat of Inca to internal electric of final adapt of the Staff of Pease anguire  IV resistance  Resistance to control of ASSEMBLIES  INCA Resistance of Installating materials to normal heat of Inca to internal electric effects  INCA Resistance to units vivolet (UV) redistion  INCA Resistance to units vivolet (			-25
PRS, with push-through cable entry   Mam. radiated hast dissipation with separate mounting, ambient air   Imperature x20 °C	Operating ambient temperature max.	°C	70
Flammability characteristics  986 °C/Imm thick (post-through membrane and seal material) to VDE 6971 Part 2  Frack resistance  CTI 755 (base, to IEC 68112)  CTIT 75 (rever, to IEC 68112)  Surface treatment Impact resistance  Resistant to corrosion Impact resistance  Resistant to corrosion Impact resistance  Resistant to corrosion IMC according to EN 50102  Temperature resistant  40° C- 10° Celephoraurel  40° C- 40° Celephoraurel  40° Celephoraurel  40° Cel	Degree of Protection		
SSP CF   Tem thick (push-through membrane and seal material) to VDE 0471 Part 2   Track resistance		W	10
Surface treatment Impact resistance Impact resistance Impact resistance IVV resis	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)
Impact resistance  Temperature resistant  Au % - 120 °C - 140 °C - 120 °C (enclosure) - 40 °C - 120 °C (enclosure)  Au % - 120 °C (enclosure)  Au % - 120 °C (gasked)  UV resistance  Beneath protective shield  ECVEN 61439 design verification  10.2 Sterngth of materials and parts  10.2.2 Corrosion resistance  Meets the product standard's requirements.  10.2.3 Verification of trensistance of insulating materials to normal heat  10.2.3 Verification of resistance of insulating materials to abnormal heat  and fire due to internal electric effects  10.2.3 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 Electromagnatic company is since the entire switchgear needs to be evaluated.  10.2.7 Inscriptions  Meets the product standard's requirements.  Does not apply, since the entire switchgear needs to be evaluated.  10.5 Protection against electric shock  Does not apply, since the entire switchgear needs to be evaluated.  10.6 Recorporation of switching devices and components  10.7 Internal electrical circuits and connections  10.8 Connections for external conductors  10.9 Protection against electric strength  10.9 Protection against electric strength  10.9 Resultation properties  10.9 Protection against electric strength  10.9 Resultation properties  10.9 Protection against electric strength  10.9 Resultation properties  10.9 Resultation propert	Track resistance		
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	10.12 Electromagnetic compatibility		Is the panel builder's responsibility. The specifications for the switchgear must be observed.
	10.13 Mechanical function		

### **Technical data ETIM 6.0**

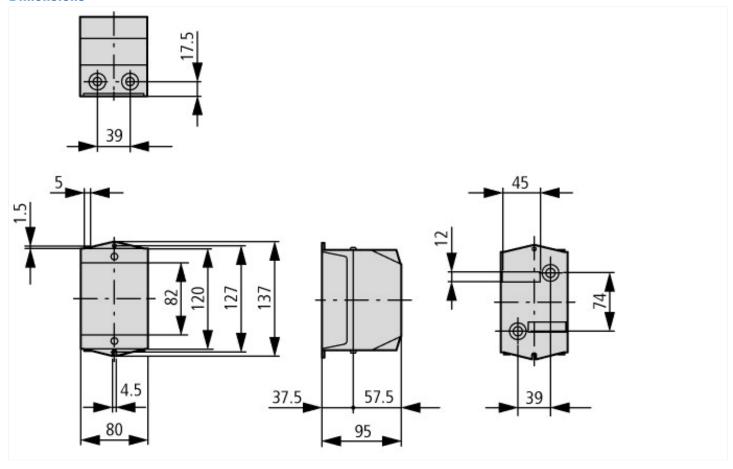
Low-voltage industrial components (EG000017) / Empty enclosure for switchgear (EC000712)

Electric engineering, automation, process control engineering / Low-voltage switch technology / Component for low-voltage switching technology / Empty housing for switch devices (eci@ss8.1-27-37-13-01 [AKN343011])

(ecl@ss8.1-27-37-13-01 [AKN343011])			
Material housing			Plastic
Width		mm	80

Height	mm	120
Depth	mm	95
With transparent cover		No
Suitable for emergency stop		Yes
Model		Surface mounting
Degree of protection (IP)		IP65

# **Dimensions**



# **Additional product information (links)**

IL01502081Z (AWA3210-1735) Insulated small enclosures

IL01502081Z (AWA3210-1735) Insulated small enclosures

ftp://ftp.moeller.net/DOCUMENTATION/AWA\_INSTRUCTIONS/IL01502081Z2015\_11.pdf