

CI-K Small Insulating Material Enclosures

Technical Data

	CI-K2	CI-K3	CI-K4	CI-K5
General				
Standards	UL, CSA, IEC/EN 60 529, DIN 43 656, DIN 43 660, EN 50 262			
Climatic proofing	Damp heat, constant, to IEC EN 60 068-2-3 Damp heat, cyclical, to IEC EN 60 068-2-30			
Ambient temperature	-25/+70			
Degree of protection	IP 65, 12, 13, 4X			
Dissipatable heat loss	→ page 11/017			
Material				
Material for base/cover	Thermoplastic			
Surface treatment	Glass-fibre reinforced polycarbonate			
Color	Resistant to corrosion			
Base	Black (matt) RAL 9005			
Cover	Light Gray (matt) RAL 7035			
Material characteristics				
Electrical				
Creepage resistance to IEC 60 112				
Base, cover	CTI 175	CTI17	CTI 175	CTI 175
Surface resistance to IEC 60 093	$> 10^{13}$	$> 10^{13}$	$> 10^{13}$	$> 10^{13}$
Dielectric strength to IEC 60 243-1	30	30	30	30
Thermal				
Continuous thermal stability				
Enclosure	-40/+120	-40/+120	-40/+120	-40/+120
Gasket	-40/+80	-40/+80	-40/+80	-40/+80
Mechanical				
IK Code to EN 50 102	please inquire			
Weight of components mounted				
per mounting rail	0,7	0,85	0,75	0,65
with mounting plate	0,7	0,85	0,9	1
Chemical				
1 Δ resistant				
2 Δ partially resistant				
3 Δ non-resistant				
	Base, cover			
Acids > 10 %	2			
Acids < 10 %	1			
Alkalis > 10 %	3			
Alkalis < 10 %	3			
Mineral oil	1			
Alcohol	2			
Petrol	1			
Grease	1			
Saline solution	1			
Paraffin	3			
Atmospheric				
Saline spray test	IEC 60 068-2-11			
UV resistance	beneath protective shield			
Water absorption to EN ISO 62	0.29			
Flammability characteristics				
Glow wire test to IEC/EN 60 695-2	Thickness 960/1 mm			
UL 94	VO/1,5 mm thick			
Halogen-free	yes			