


Property chart CA-160			
Specification	Value	According to the standard	Remark
General data:			
Weight	435 g		
External dimensions	125 x 80 x 57		
Protection classes			
IP-code	IP66	EN 60529	
IP-code	IP67	EN 60529	
IK-code	IK09	IEC 62262	
Material			
Enclosure	EN AC-ALSi12Cu1(Fe) EN AC-47100	DIN EN 1706:05/98	Aluminium pressure die-casting Alloy 231
Screws	A2-50	DIN EN ISO 3506-1	Cover screws
Gasket	PUR (Polyurethan)		Colour: dark grey, 2-component polyurethane foam seal
Toxic behaviour	halogen-free		
Mechanical properties:			
Torques			
Cover screws	2,0 Nm		
Earthing screws	2,0 Nm 2,0 Nm		Body Cover
Attachment of accessories	2,0 Nm		for ex. mounting plates, mounting rails
Other mounting	2,0 Nm		Screw channel
Maximum installation weight	0,4 kg		
Thermal properties:			
Temperature range			
Enclosure complete	-30 °C bis +80 °C		Standard powder-coated enclosure
PUR-seal	-40 °C bis +100 °C		
Ambient temperature Indoor application	-5°C bis +40°C	DIN EN 62208	On the average over 24h +35°C
Thermal conductivity value	4,99 K/W		taking account of effective dissipation loss
Relative humidity			
Indoor application	max. 50% bei +40°C	DIN EN 62208	with low temperatures also higher (for ex. 90% at +20°C)
Storage temperature	-20°C bis +60°C		
Chemical properties:			
Corrosion resistance	Severity level A	DIN EN 62208/9.13.2.1	IEC 60068-2-30 and IEC 60068-2-11
Corrosion resistance	Severity level B	DIN EN 62208/9.13.2.2	IEC 60068-2-30 and IEC 60068-2-11
Resistance lists for enclosure materials and seals see catalog			

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Electrical characteristics:			
Protection class	I	EN 61140 / VDE 0140-1	 Protection by protective conductor
Rated voltage	max. 1000 V (AC) max. 1500 V (DC)		
More details:			
General tolerance	GTA 13/5	DIN 1688	Cast part tolerances
General tolerance	mH	ISO 2768	Machining tolerances
Product standard	Yes	DIN EN 62208	Empty enclosures for low-voltage switchgear assemblies
Approvals			
c UL us	No	UL508A / C22.2	Typ 1, 4, 4x, 12, 13
Compliances			
RoHs	compliant	Directive 2011/65/EU	
CE label	compliant	EG-Nr. 765/2008	
Low-Voltage-Directive No.:	2014/35/EU		