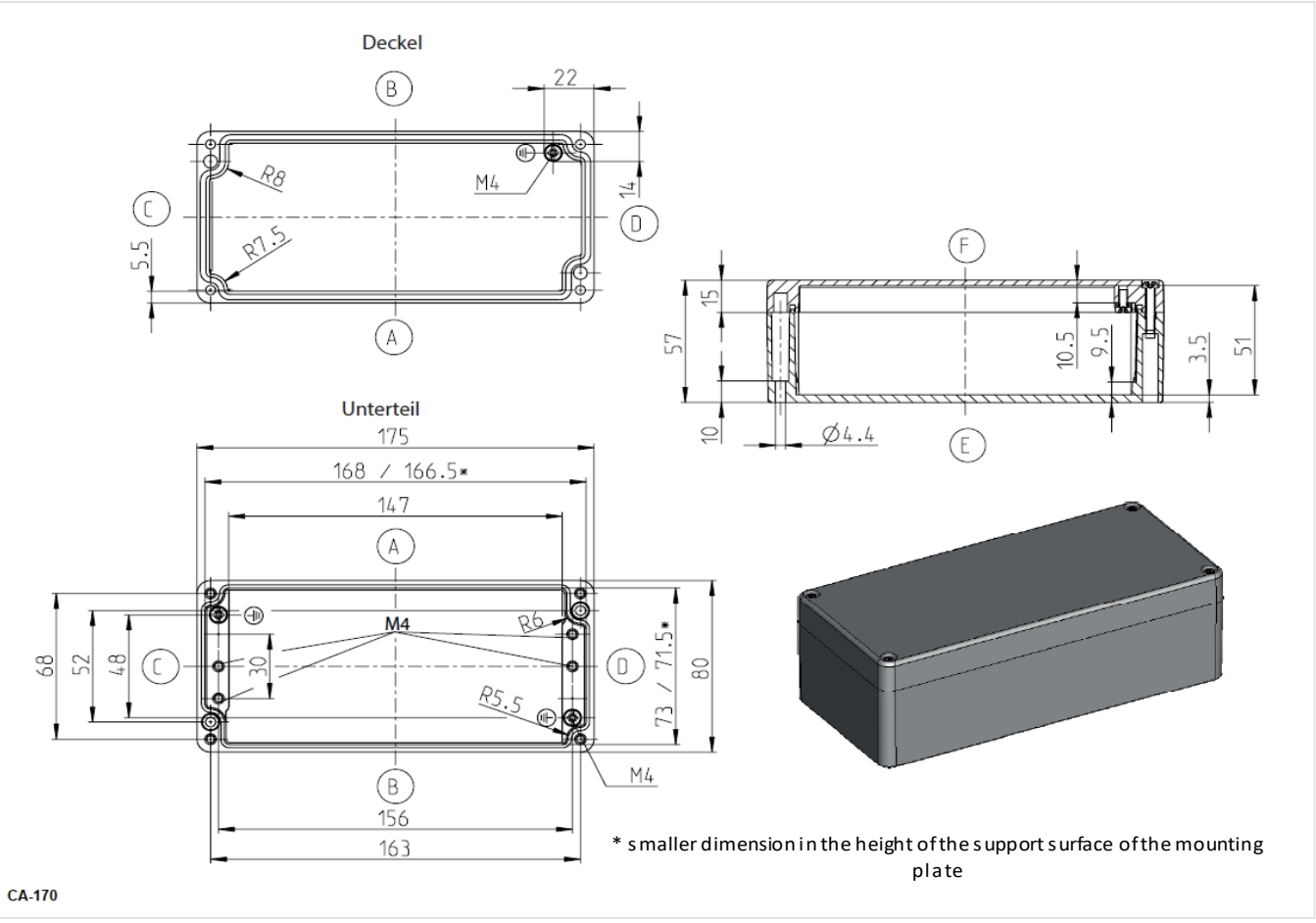
Technical data

Standard enclosure

Series **CA**

Type description **CA-170** Article number **1170000000**



* smaller dimension in the height of the support surface of the mounting plate

Standard version

Scope of delivery:

Gehäuseunterteil / Lower part of enclosure / Partie inférieure du boîtier
Gehäusedeckel / Enclosure lid / Couvercle du boîtier
Deckelschrauben (Kombi-Kreuzschlitz) lose beigelegt / Cover screws (combination Phillips head) included separately / Vis du couvercle (cruciformes combinées) fournies séparément
Erdungsschraube im Unterteil und Deckel / Grounding screw in the base and lid / Vis de mise à la terre dans la partie inférieure et le couvercle
RAL7001 (silbergrau) / RAL7001 (silver grey) / RAL7001 (gris argenté)
Deckeldichtung PUR / lid gasket PUR / Joint de couvercle PUR
Einzelverpackung in Folie / Single packaging in foil / Emballage individuel sous film

Maximum possible number of threads (data for same diameter, not mixed!)

ISO M	M12	M16	M20	M25	M32	M40	M50	M63
Side A/B	14	6	4	4	0	0	0	0
Side C/D	3	2	1	0	0	0	0	0

Technical data

Standard enclosure

Series CA

Properties table CA-170			**Article number** 1170000000
Specification	**Value**	**according to standard**	**Comment**
General data			
Weight	530g		
External dimensions	175x80x57		
Degree of protection			
IP code	IP66	DIN EN 60529	
IP code	IP67	DIN EN 60529	
IK code	IK09	DIN EN 62262	
Materials			
Enclosure	EN AC-AlSi12 (Fe) EN AC-44300	DIN EN 1706:05/98	Aluminium die casting Alloy 230
Lid fastener	A2-50	DIN EN ISO 3506-1	Lid screws
Additional screws	—	—	—
Spring washer	—	—	—
Press-in nut	—	—	—
Seal	PUR	—	Colour: black-grey 2K-polyurethane foam gasket
Toxic behaviour	Halogenfrei / Halogen-free / Sans halogène		—
Mechanical properties			
Torques			
Cover fastener	2,0 Nm		—
Ground screw	2,0 Nm 2,0 Nm		Base Lid
Fastening accessories	2,0 Nm		e.g. support rail, mounting plate
Other fastening	2,0 Nm		Screw channel
Maximum installation weight	0,5 Kg		—
Thermal properties			
Temperature range			
Enclosure complete	-40°C bis +90°C	—	Housing standard powder coated
Enclosure material	—	—	—
Seal	-40°C bis +100°C	—	PUR
Fire behaviour			
Flammability	—	—	—
Glow wire test	—	—	—
Temperature index Enclosure material			
RTI (tensile strength)	—	—	—
RTI (impact strength)	—	—	—
RTI (dielectric strength)	—	—	—
Heat resistance			
Insulation class	—	—	—
Fire behaviour - Fire protection in railway vehicles according to EN 45545-2:2020-10			
Requirement set R1	—	—	—
Requirement set R6	—	—	—
Requirement set R7	—	—	—
Oxygen index	—	—	—
Storage temperature	-20°C bis +60°C	—	—
Thermal resistance	5,28 K/W	—	taking into account the effective power loss

Technical data

Standard enclosure

Series CA

Properties table CA-170			**Article number** 1170000000
Specification	**Value**	**according to standard**	**Comment**
Usual operating conditions according to DIN EN 62208			
Ambient temperature			
Indoor installation	-5°C bis +40°C	—	on average over 24h +35°C
Outdoor installation	-25°C bis +40°C	—	on average over 24h +35°C
Relative humidity			
Indoor installation	max. 50% bei +40°C	—	at low temperatures also higher (e.g. 90% at 20°C); occasionally condensation permissible
Outdoor installation	zeitweise / temporary / temporairement 100 % bei +25°C	—	at low temperatures also higher (e.g. 90% at 20°C); occasionally condensation permissible
Chemical properties			
Corrosion resistance	Schärfe A	DIN EN 62208/9.13.2.1	IEC 60068-2-30 and IEC 60068-2-11
Corrosion resistance	Schärfe B	DIN EN 62208/9.13.2.2	IEC 60068-2-30 and IEC 60068-2-11
Salt spray test	—	—	—
Resistance list for enclosure materials and seals			see catalogue details
Electrical properties			
Protection class	I	EN 61140 / VDE 0140-1	Protection by protective conductor
Rated voltage	max. 1000V (AC) max. 1500V (DC)	—	—
Surface resistance	—	IEC 60093	—
Dielectric strength	—	IEC 60243-1	—
Further specifications			
General tolerances			
Casting tolerance	DCTG 7 - GCTG 3	DIN EN ISO 8062-3	Casting tolerance
Machining tolerance	mH	DIN ISO 2768	Machining tolerance
Country of Melt	China / Spanien		
Country of Pour	China / Portugal		
Completion of the end product	Germany (Deutschland)		
Product standard	konform/compliant/conforme	DIN EN 62208	Empty enclosures for low-voltage switchgear and controlgear assemblies
Approval			
c UL us	konform/compliant/conforme	UL 508A / C22.2	Typ 1, 4, 4x, 12, 13 with label on request
ATEX / IECeX	—	—	on request
DNV	konform/compliant/conforme	—	—
Conformities / Directives			
Directive 2011/65/EU (RoHs)	konform/compliant/conforme	2011/65/EU (RoHs)	RoHs
Low Voltage Directive	konform/compliant/conforme	2014/35/EU	—
Electrical Equipment (safety) Regulations 2016 (CA UK)	konform/compliant/conforme	2016 NO.1101	—