

## Technical data

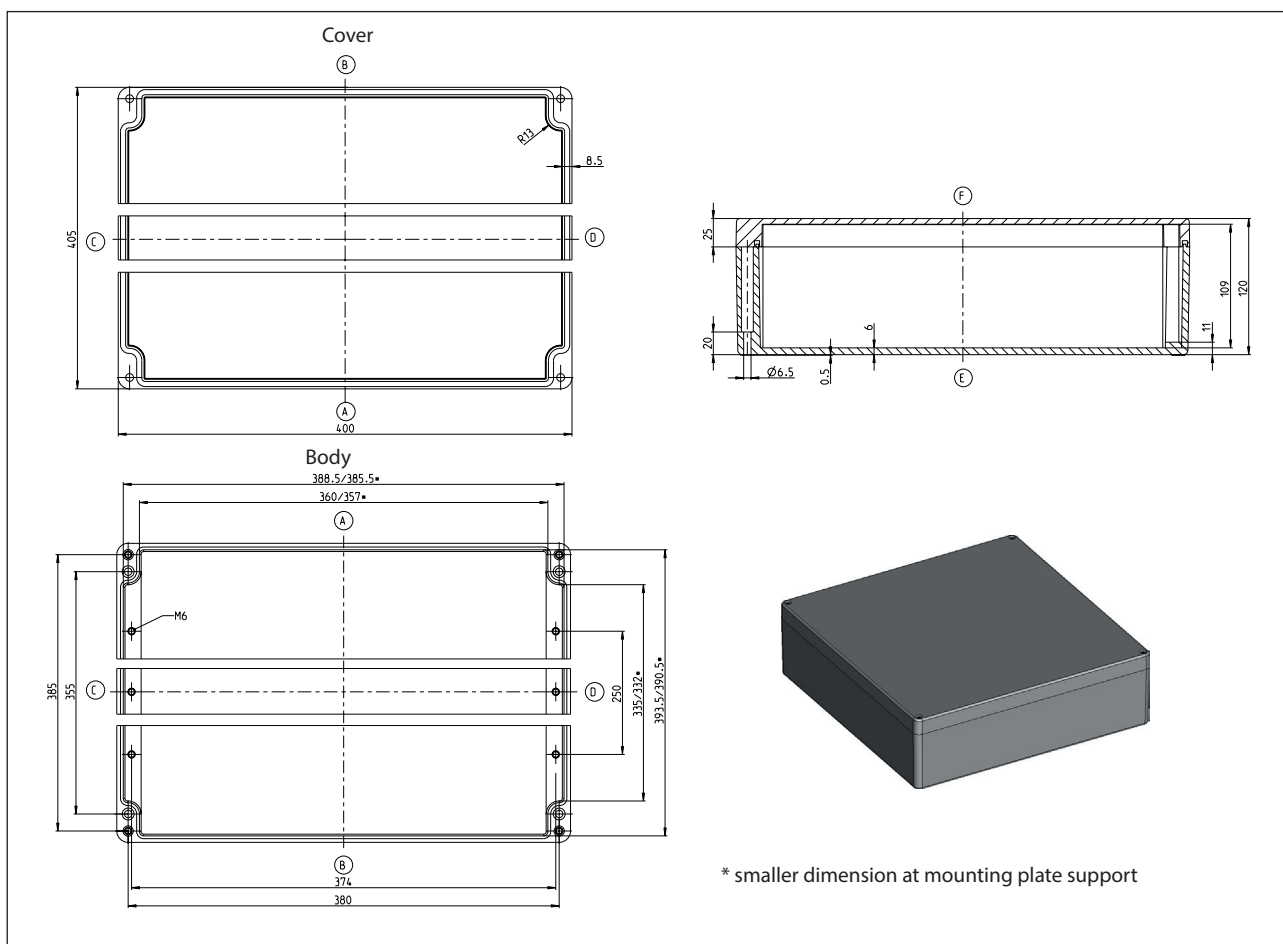


### Standard enclosure

#### Series CPG

Designation CPG-450

Article number 4450000000



#### Standard version

##### Scope of supply:

Base of enclosure

Enclosure cover

Cover screws (cross recessed head) enclosed loosely

Colour RAL 7001 (silver grey)

Cover gasket PUR (polyurethane)

Individually packaged in foil

#### Maximum possible number of thread (figures for identical diameter, not mixed!)

ISO M	M12	M16	M20	M25	M32	M40	M50	M63
Page A/B	74	38	27	17	13	6	5	4
Page C/D	57	29	20	15	7	5	4	4

BERNSTEIN AG · Hans-Bernstein-Straße 1 · 32457 Porta Westfalica · [www.bernstein.eu](http://www.bernstein.eu)


Technical modifications and errors reserved.

This datasheet corresponds to the technical state of 2020-03-02 and is not collected whenever there are any changes.

## Property chart CPG-450

Specification	Value	According to the standard	Remark
<b>General data:</b>			
Weight	5580 g		
External dimensions	400 x 405 x 120		
Protection classes			
IP-code	IP 66	EN 60529	
IP-code	IP67	EN 60529	
IK- code	IK08	IEC 62262	
Material			
Enclosure	Polyester SMC 0190		squirrel grey
Screws	A2-70	DIN EN ISO 3506-1	Cover screws
Spring washer	1.4310	DIN EN 10088-3	
Insert nuts	1.4305 CuZn39Pb3-M	DIN EN 10088-3	
Gasket	PUR (Polyurethan)		Colour: dark grey, 2-component polyurethane foam seal
Toxic behaviour	halogen-free		
<b>Thermal properties:</b>			
Fire behaviour			
Flammability	V-0	UL 94	Contentwise alike with EC60695-11-10 and IEC60695-11-20
Glow wire test	960 °C	IEC 60707-3	
Glow wire test			
Glow wire test			
Temperature range			
Enclosure complete	-40 °C bis +100 °C		
Enclosure material	-60 °C bis +165 °C		
PUR-seal	-40 °C bis +100 °C		
Temperature index Enclosure material			
RTI (tensile strength)	130 °C	UL 746 B	
RTI (impact strength)	130 °C	UL 746 B	
RTI (dielectric strength)	105 °C	UL 746 B	
Ambient temperature according to DIN EN 62208			
Indoor application	-5 °C bis +40 °C	DIN EN 62208	On the average over 24h +35°C
Relative humidity according to DIN EN 62208			
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		
Enclosure-specific thermal conductivity value	0,49 K/W		taking account of effective dissipation loss

## Property chart CPG-450

Specification	Value	According to the standard	Remark
<b>Mechanical properties:</b>			
Torques			
Cover screws	2,0 Nm		
Attachment of accessories	2,0 Nm		for ex. mounting plates, mounting rails
Other mounting	2,0 Nm		Screw channel, External mounting brackets
Maximum installation weight	13,7 kg		
<b>Electrical characteristics:</b>			
Protection class	II	EN 61140 / VDE 0140-1	 Protection by double or reinforced insulation
Rated voltage	max. 750 V		Maximum length of the extension arm
Surface resistivity	10 <sup>12</sup> Ohm	IEC 60093	
dielectric strength	18 kV/mm	IEC 60243-1	
<b>More details:</b>			
General tolerance	mH	ISO 2768	
Product standard	Yes	DIN EN 62208	Empty enclosures for low-voltage switchgear assemblies
Approvals			
c UL us	No	UL508A / C22,2	Type 1, 4, 4x
Compliances			
RoHs	Yes	Directive 2011/65 /EU	
CE label	Yes	EC-No 765/2008	
Low-Voltage-Directive No.:	2014/35/EU		