

HYDRA (IP65 / IP66)

Tight enclosures made of glass-fibre reinforced polyester (GRP)



BASIC PARAMETERS

Tight Enclosures HYDRA are applicable, among others, in the energy sector, automation, telecommunication industry, and especially in places with a large extent of contamination and also places exposed to flooding (production plants, waste water treatment plants, coastal area). Specially designed construction of the enclosure provides effective protection of internal devices against the negative influence of external factors (dust, corrosive fumes, water).

HYDRA enclosures are made of glass fiber reinforced polyester, they are corrosion resistant against the impact of chemicals and solvents.

Enclosures HYDRA are available in two versions, depending on the degree of protection IP:

- IP65 with 2-point locking system with 2 locks;
- IP66 - equipped with 4-point locking system, which includes: tight lock ZIP66, rod and locking elements, arranged on the perimeter.

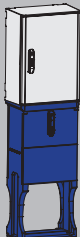
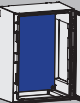
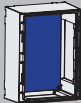
The doors of enclosure are equipped with polyurethane gasket. It is possible to reverse the door (left/right).

Basic parameters:

- temperature operating conditions: $-50 \div 85^{\circ}\text{C}$
- flammability category: V0
- protection class: II
- halogen-free material

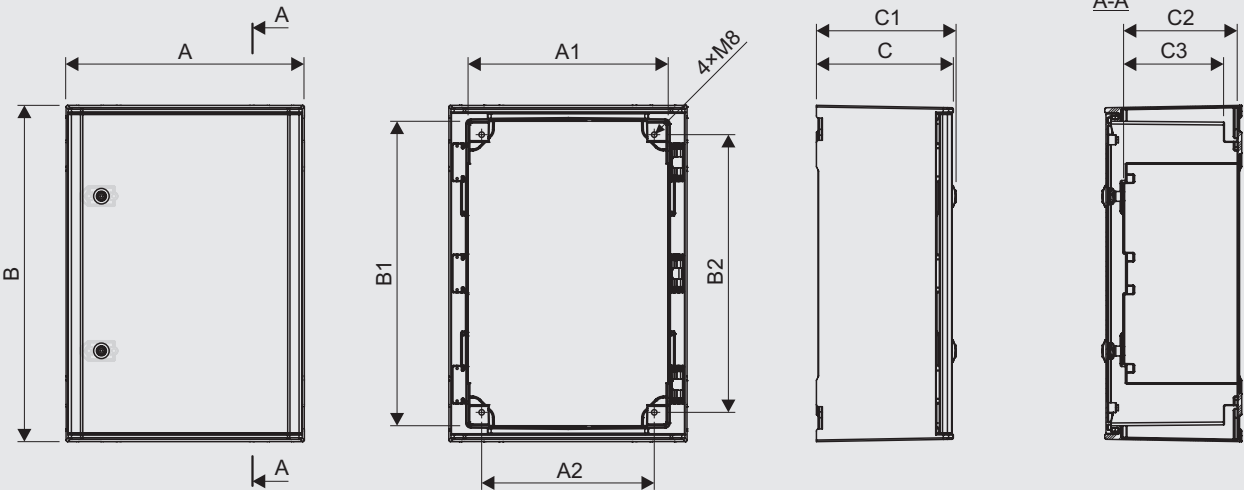
ENCLOSURE CONFIGURATION

enclosure		
• IP 65 • full door • lock M22 D5 (2 pcs.)	• IP 65 • transparent door • lock M22 D5 (2 pcs.)	• IP 66 • full door • lock ZIP66 (1 pc.)
		
HYDRA 465	HYDRA T 465	HYDRA 466
HYDRA 685	HYDRA T 685	HYDRA 686
HYDRA 815	-	HYDRA 816

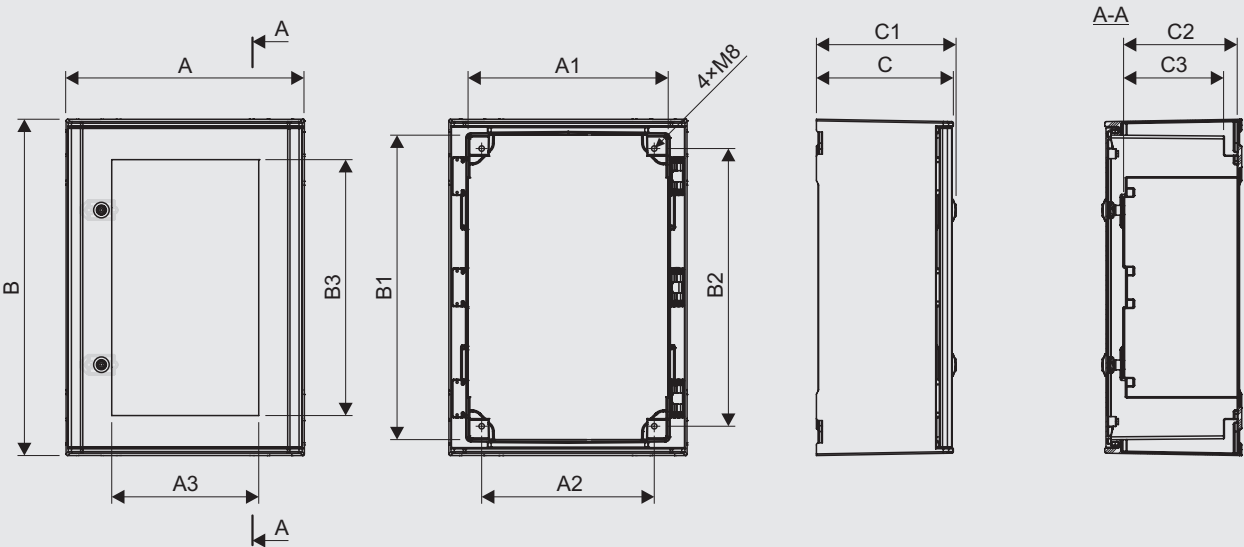
additional equipment					
pedestal (FH)	short base (KKH)	polyester mounting plate (PMPH)	steel mounting plate (PMSH)	cover caps (ZHT)	internal doors (DWH)
					
FH46	KKH46	PMPH 46	PMSH 46	ZHT 46	DWH 46
FH68	KKH68	PMPH 68	PMSH 68	ZHT 68	DWH 68
FH81	KKH81	PMPH 81	PMSH 81	ZHT 68	 DWH 81

 available soon

IP 65



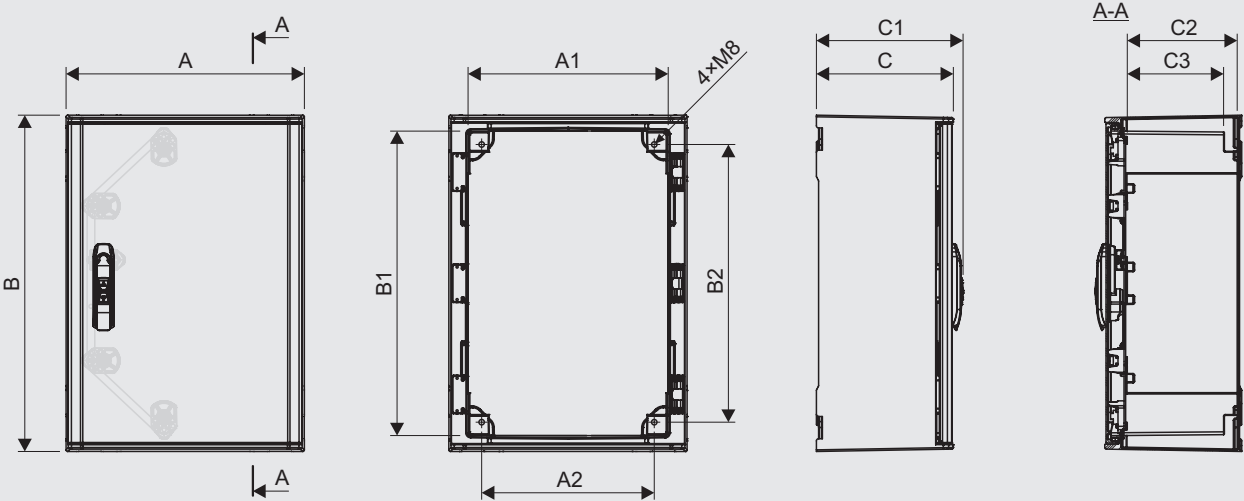
enclosure type	dimensions [mm]									
	A	B	C	A1	A2	B1	B2	C1	C2	C3
HYDRA 465	438	618	251	364	317	556	510	257	211	186
HYDRA 685	616	816	323	538	493	750	700	329	282	257
HYDRA 815	850	1004	323	772	727	934	884	329	282	257



enclosure type	dimensions [mm]											
	A	B	C	A1	A2	A3	B1	B2	B3	C1	C2	C3
HYDRA T 465	438	618	251	364	317	243	556	510	448	257	211	186
HYDRA T 685	616	816	323	538	493	421	750	700	646	329	282	257

ENCLOSURES

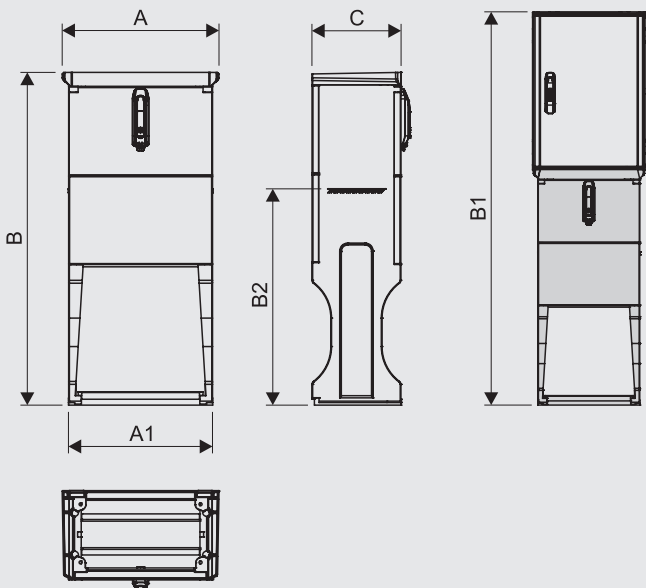
IP 66



enclosure	dimensions [mm]									
	A	B	C	A1	A2	B1	B2	C1	C2	C3
HYDRA 466	438	618	251	364	317	556	510	270	204	179
HYDRA 686	616	816	323	538	493	750	700	340	275	250
HYDRA 816	850	1004	323	772	727	934	884	340	275	250

ACCESSORIES

Pedestals (FH)



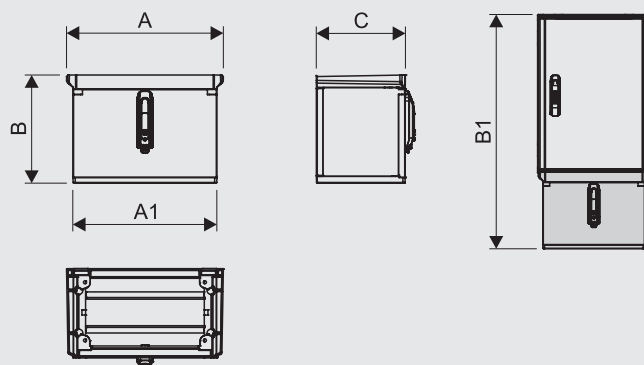
size of enclosure	type of pedestal	dimensions of pedestal [mm]					
		A	B	C	A1	B1	B2
HYDRA 46X	FH46	431	916	245	396	1534	595
HYDRA 68X	FH68	609	975	320	528	1791	663
HYDRA 81X	FH81	844	975	320	795	1975	663

ACCESSORIES

Short bases (KKH)



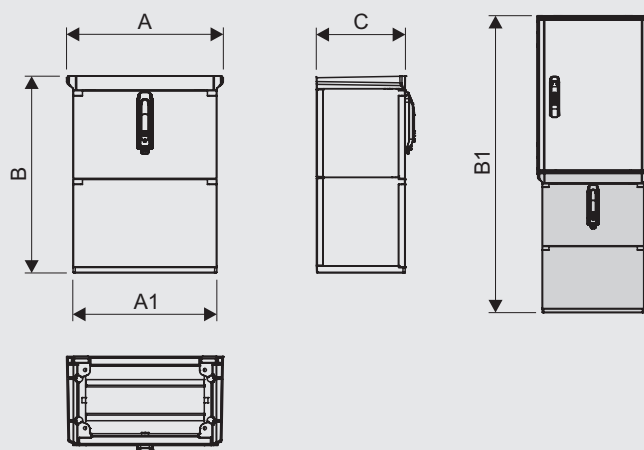
size of enclosure	type of short base	dimensions of short base [mm]				
		A	B	C	A1	B1
HYDRA 46X	KKH46	431	297	245	396	911
HYDRA 68X	KKH68	609	297	320	528	1109
HYDRA 81X	KKH81	844	297	320	795	1296



Short bases (KKH-2)



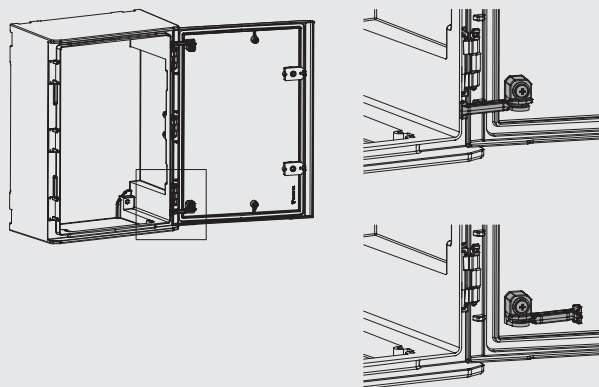
size of enclosure	type of short base	dimensions of short base [mm]				
		A	B	C	A1	B1
HYDRA 46X	KKH46-2	431	541	245	396	1155
HYDRA 68X	KKH68-2	609	541	320	528	1353
HYDRA 81X	KKH81-2	844	541	320	795	1540



Door blockade (BDH 1)



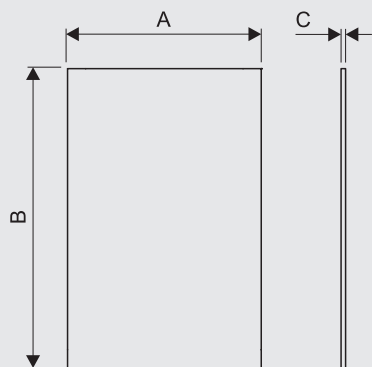
size of enclosure	type of door blockade	quantity
HYDRA 46X	BDH 1	1
HYDRA 68X		2
HYDRA 81X		2



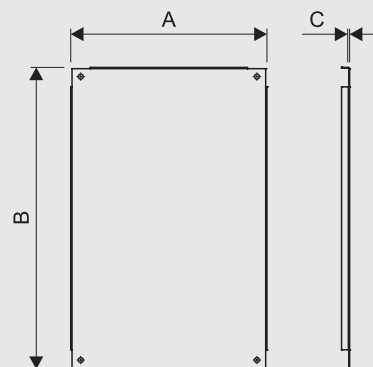
ACCESSORIES

Mounting plates (PMPH • PMSH)

polyester mounting plate (PMPH)



steel mounting plate (PMSH)



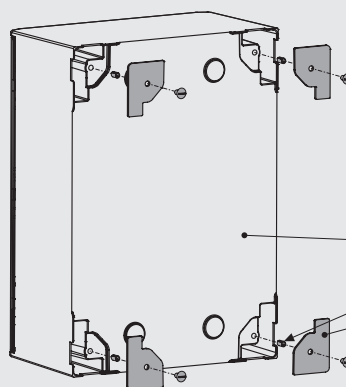
size of enclosure	type of plate	material of plate	dimensions of plate [mm]		
			A	B	C
HYDRA 46X	PMPH 46	polyester	360	550	4
	PMSH 46	steel	360	550	1,5
HYDRA 68X	PMPH 68	polyester	530	740	4
	PMSH 68	steel	530	740	2
HYDRA 81X	PMPH 81	polyester	755	925	5
	PMSH 81	steel	755	925	2

Cover caps (ZHT)



! one set contains 4 pcs. of cover caps

size of enclosure	type of cover cap
HYDRA 46X	ZHT 46
HYDRA 68X	ZHT 68
HYDRA 81X	ZHT 68

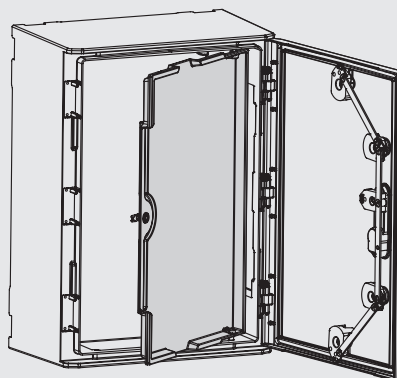


enclosure HYDRA
pressed sleeve M8
cover cap
plastic bolt M8×16

Internal doors (DWH)



size of enclosure	door type
HYDRA 46X	DWH 46
HYDRA 68X	DWH 68
HYDRA 81X	DWH 81



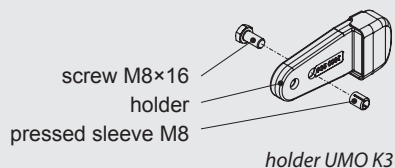
 available soon

ACCESSORIES

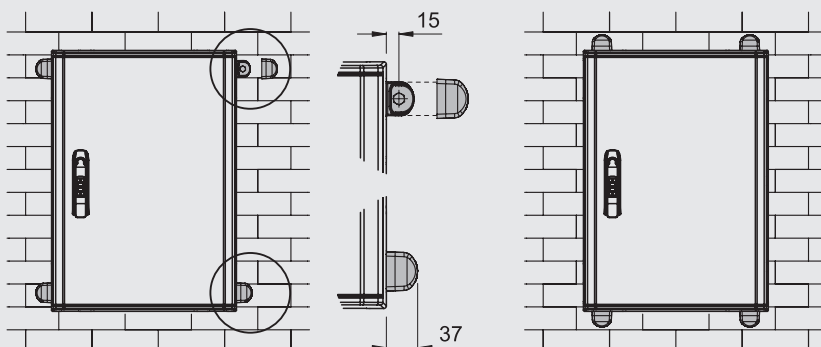
Holder for enclosures (UM0 K3)



! one set contains 4 pcs. of holders



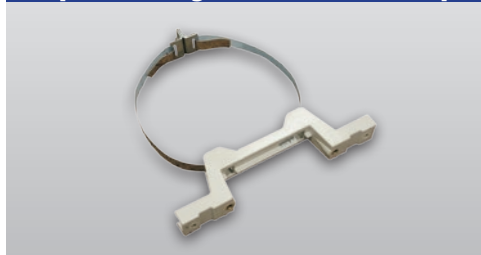
holder UM0 K3



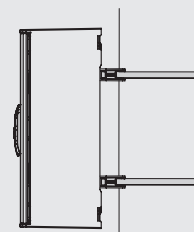
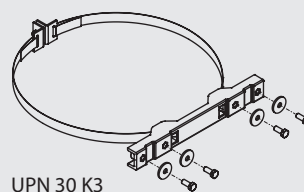
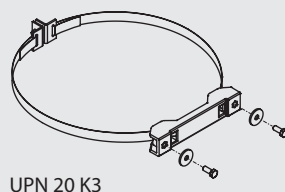
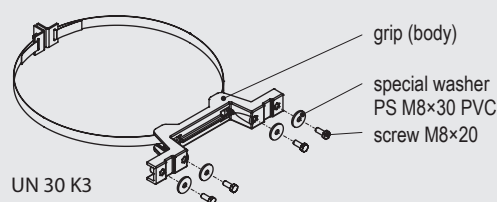
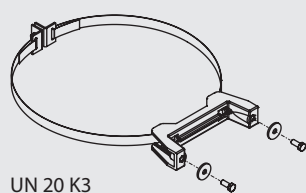
holder type

UM0 K3

Grips allowing to fix cabinets on pole (UN • UPN)



! one set contains 2 pcs. of grips



grip type	quantity of screws M8x20	quantity of washers PS M8x30 PVC
UN 20 K3	4	4
UN 30 K3	8	8
UPN 20 K3	4	4
UPN 30 K3	8	8

Lock (M22 D5)

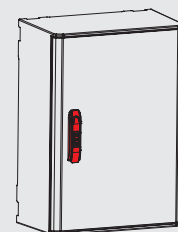


Pin end shape

standard



Lock (ZIP66)



enclosure type

HYDRA XX5

lock type

M22 D5

enclosure type

HYDRA XX6

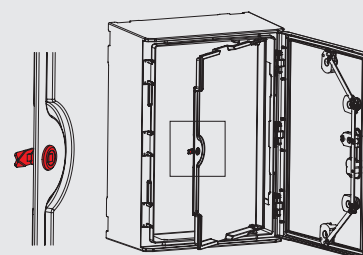
lock type

ZIP66

Locks for internal doors (1022)

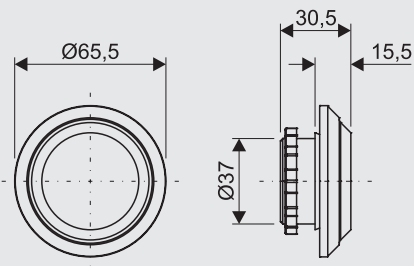


type	1022-U73	1022-U72	1022-U74	1022-U66	1022-U69
pin end shape					
	standard	option	option	option	option
key				repeatable	unrepeatable



Pressure compensation device - ventilation (DA)

DA 084 (IP55)



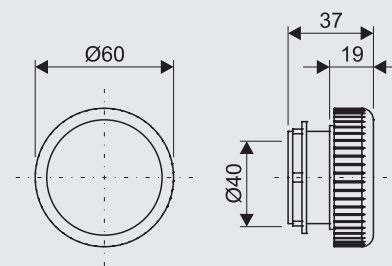
type

DA 084 (set: 2 pcs.)

technical details

cut-out dimension	Ø37 ⁺¹
tightening torque	5 Nm (10 Nm max.)
material	plastic, light grey
filter	-
surface of air flow	approx. 1,5 cm ²
ingress protection	IP55

DA 284 (IP66)



type

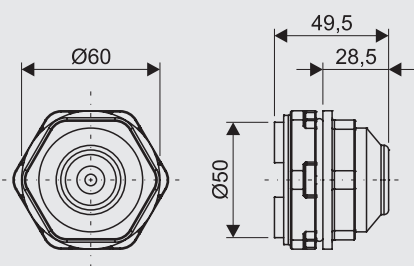
DA 284 (set: 2 pcs.)

technical details

cut-out dimension	Ø40,5 ^{+0,5}
tightening torque	5 Nm (10 Nm max.)
material	plastic, light grey
filter	waterproof membrane
air permeability	1200 l/h at a pressure difference of min. 70 mbar
ingress protection	IP66

Drainage device - conveying the condensate (DD)

DD 084 (IP66)



type

DD 084 (set: 1 pc.)

technical details

cut-out dimension	Ø50,5 ^{+0,5}
tightening torque	6 Nm max.
material	plastic, grey
water flow-through	approx. 200 ml/h at a water column of 5 mm
ingress protection	IP66

Example of elements (DA, DD) assembly

