

Watertight control boxes



Contents

Select your chapter

- Plastic bases and covers
 - 22 BE, 1DP52
 - BTH
 - 22 BFP
 - BBE
 - 7 DP70
- Bases and covers in light alloy
 - 22 BF
- Bases and covers in sheet steel
 - 16 D 145 CHPC ...



Watertight control boxes

Adaptability
Modularity
Safety
Reliability



④



⑤



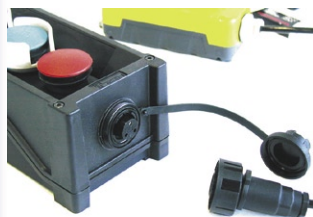
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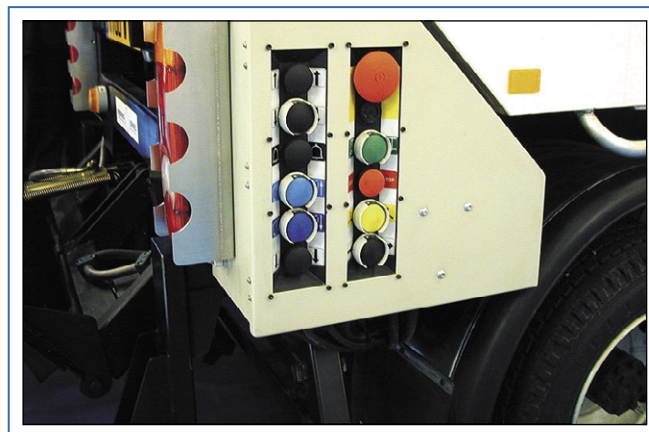
①



②



③



The range of possibilities :

- ① **A wide choice**
 - Select your box from the numerous ranges developed by MAFELEC. Metal or plastic cases.
- ② **Cable outlets and connection**
 - Mafelec offers a wide selection of standard, metal or plastic sealing glands, for all types of cables.
 - But a number of other solutions can be envisaged on request, such as specific connectors.
- ③ **Choice of colour**
 - In principle the box colours are standardised according to the model selected, however, special manufacture is possible depending on the quantities requested.
- ④ **Silk-screen printing**
 - All our control boxes can be fitted on request with labels, silk-screened front panels, logotypes, either proposed by the customer or designed by us.
- ⑤ **Mounting and wiring**
 - Our control boxes are delivered empty or fitted with control components selected from our ranges or fully equipped and wired to the customer specification.
- ⑥ **Sealing and robustness**
 - The water-tightness of the control boxes varies from IP55 to IP66, depending on the model selected.
 - They withstand operating temperatures ranging from -30 to +70°C (depending on the model).
 - Some versions have particularly high shock-resistance.

The modular design of MAFELEC's control boxes provides for a multitude of combinations and adaptations

The examples illustrated in this catalogue only represent a fraction of the designs produced by our Design Office every day for our customers.

MAFELEC's service extends to the design of complete solutions using standard commercial elements or items designed specially for the Customer's application.



Our equipment complies with the European RoHS directive, restricting the use of certain dangerous substances in electrical equipment.

Watertight control boxes

Plastic bases and covers



22 BE - 1 DP52

Environmental characteristics

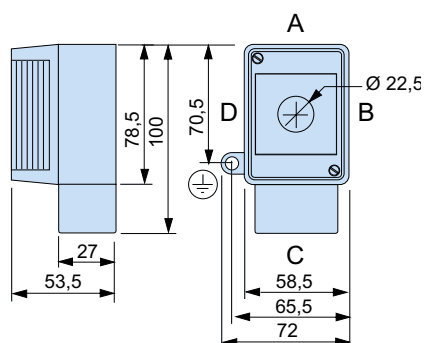
Temperature resistance	100° C
Degree of protection	IP 55 per IEC and NF EN 60529

Mechanical characteristics

Material	Polycarbonate
Colour	Grey
Useful depth	22 BE : 41 mm, 1 DP 52 : 52 mm
For control and signalling components from cat. C22 (see our catalogue "Auxiliaries")	- Pilot lights with direct supply or via a resistance - 2-contact pushbuttons - 2-contact selector switches
Cover attachment	2 cylindrical-head screws

Part numbers

Dimensions	Part number	Weight Kg
------------	-------------	-----------

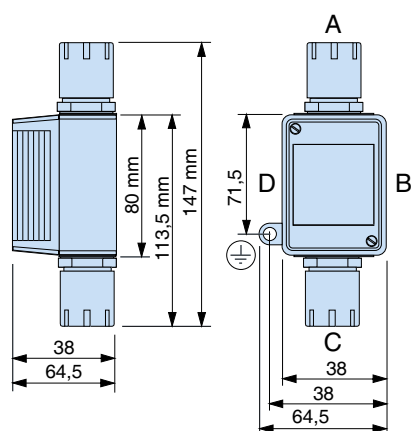


22 BE

0.125

One $\varnothing$ 22.5 hole
2 integrated sealing glands
for cables from $\varnothing$ 6 to $\varnothing$ 12
mm (at C)

Useful depth: 41 mm



1 DP 52

0.110

Possibility of sealing gland
(at A and C)

Useful depth: 52 mm



Watertight control boxes

Plastic bases and covers



Environmental characteristics

Storage temperature	-30°C to +60°C
Operating temperature	-25°C to +60°C
Degree of protection	IP 65 per IEC & NF EN 60 529
Fire-resistance	HB per UL94
Protection against mechanical shock	IK08 per IEC & NF EN 62 262



Mechanical characteristics

Housings	Polypropylene Standards colours : yellow base, grey cover (contact us for other colours) Available in 3 versions With integrated flanges : 1, 2, 3 or 4 holes. Without flanges : 1, 2, 3 or 4 holes, ø 22 mm. Combination : 1, 2 or 3 holes with flanges + 1 hole, ø 22 mm, without a flange at one end.
Gasket	Foam, cord, ø 2 mm
Cable entry	4 knockouts (2 on the base, 2 on the cover) Sealing gland (optional)
Attachment to support	2 M4 screws
Base / cover attachment	4 captive M3 screws. Standard : stainless steel. Optionnal : steel
Colours	Yellow, grey (contact us for other colours, depending on the quantity)

Characteristics of the electrical stack

Nominal thermal current	Ith 10 A
Rated insulation voltage	Ui = 500 V
Rated surge voltage	6 kV
Dielectric strength	2.5 kV
Insulation category	C per IEC & NF EN 60 664
Mechanical life expectancy	Pushbuttons : 1 x 10 ⁶ operations Rotary switches : 0.3 x 10 ⁶ operations
Connection	Screw and clamp plate : min. 1 x 0.5 mm ² / max. : 2 x 2.5 mm ²
Contact operating mode	One or two-speed contact block with dependent-action; positive breaking type. Self-cleaning contacts.
Operating power	AC 15: 230 / 400V - 8 / 4A DC 13: 24 V / 10 A

Watertight control boxes

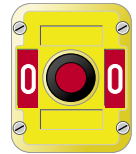
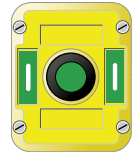
Plastic bases and covers



Boxes with integrated control components

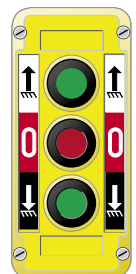
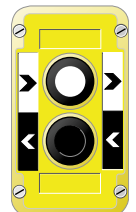
ON / OFF function

Description	Contact et Schematic	Label	Colour of pushbuttons	Part number	Weight (Kg)
1 momentary pushbutton	1NO 	ON	green	YSI 1125	0.076
			white	YSI 1126	
		I	green	YSI 1127	
			white	YSI 1128	
1 momentary pushbutton	1NC 	OFF	red	YSI 1129	
			black	YSI 1130	
		Stop	red	YSI 1131	
			black	YSI 1132	
1 rotary switch with black paddle, 2 fixed positions	1NO 	ON / OFF	black	YSI 1135	0.08
		I / O	black	YSI 1854	
2 momentary pushbuttons	1NC 	OFF / ON	red / green	YSI 1136	0.12
			black / white	YSI 1137	
	1NO 	I / O	red / green	YSI 1138	
			black / white	YSI 1139	



Movement controls

2 momentary pushbuttons	1NO 	UP / DOWN	black / white	YSI 1140	0.12
				YSI 1141	
					
				YSI 1142	
3 momentary pushbuttons	1NO 	UP / Stop / DOWN	green / red / green	YSI 1143	0.16
		I / O / II		YSI 1144	
				YSI 1145	
					
3 momentary pushbuttons	1NO 		white / red / green	YSI 1146	
					



Watertight control boxes

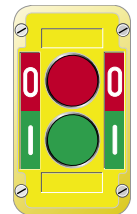
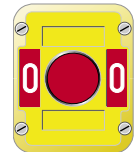
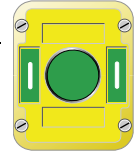
Plastic bases and covers



Boxes fitted with Ø 22 control components

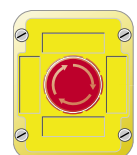
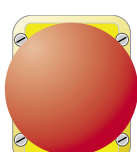
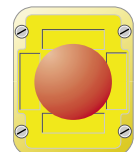
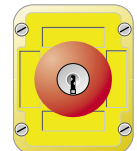
ON / OFF function

Description	Contact & Schematic	Label	Colour of pushbuttons	Part number	Weight (Kg)
1 momentary pushbutton Chrome metal flange	1NO	ON	green	YSI 1147	0.14
			white	YSI 1148	
		I	green	YSI 1149	
			white	YSI 1150	
1 momentary pushbutton Chrome metal flange	1NC	OFF	red	YSI 1151	
			black	YSI 1152	
		Stop	red	YSI 1153	
			black	YSI 1154	
		O	red	YSI 1155	
			black	YSI 1156	
1 rotary switch with black paddle, 2 fixed positions Chrome metal flange	1NO	ON / OFF	black	YSI 1157	0.16
		I / O	black	YSI 1847	
2 momentary pushbuttons Chrome metal flange	1NC	ON / OFF	red / green	YSI 1160	0.25
			black / white	YSI 1161	
	1NO	I / O	red / green	YSI 1845	
			black / white	YSI 1846	



Stop function

1 latch mushroom pushbutton, ø40 Released using No.620 key Chrome metal flange	1NC 1NO	None	red	YSI 1162	
	2NC	None	red	YSI 1163	
1 push-pull mushroom pushbutton, ø40	1NC	None	red	YSI 1158	0.16
1 push-pull mushroom pushbutton, ø70	1NC	None	red	YSI 1159	0.23
1 latch mushroom pushbutton, ø30 Rotate 1/4 turn to release	1NC	None	red	YSI 1346	



Watertight control boxes

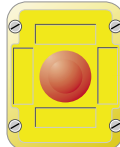
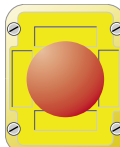
Plastic bases and covers



Boxes fitted with Ø 22 control components

Emergency stop function (EN 418)

New

Description	Contact & Schematic	Label	Colour of pushbuttons	Part number	Weight (Kg)	
1 push-pull mushroom pushbutton, Ø 30	1NC 	None	red	YSI 1943	0.14	
1 push-pull mushroom	1NC 	None	red	YSI 1944	0.18	
1 push-pull mushroom pushbutton, Ø 70	1NC 	None	red	YSI 1945	0.25	

Watertight control boxes

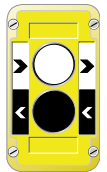
Plastic bases and covers



Boxes fitted with Ø 22 control components

Movement control

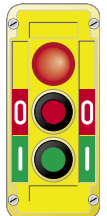
Description	Contact & Schematic	Label	Colour of pushbuttons	Part number	Weight (Kg)
2 momentary pushbuttons Chrome metal flange	1NO	UP / DOWN	black / white	YSI 1164	0.25
	1NO	 		YSI 1165	
		 		YSI 1166	
3 momentary pushbuttons Chrome metal flange	1NO	UP / Stop / DOWN	green / red / green	YSI 1167	0.36
	1NC	 / O / 		YSI 1168	
	1NO				
3 momentary pushbuttons Chrome metal flange	1NO	 / O / 	white / red / green	YSI 1169	
	1NC				
	1NO				



Control boxes fitted with 2 integrated control components + 1 Ø 22 control component

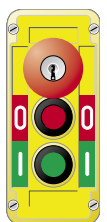
ON / OFF function and signalling

1 red pilot light 10X28 Ba9S bulb, max. 3W power supply : 130V/50Hz. Chrome metal flange	x1	ON / OFF	red / green black / white	YSI 1170 YSI 1171	0.21
	x2	I / O	red / green black / white	YSI 1841 YSI 1842	
2 momentary pushbuttons	1NO				



Stop / OFF / ON function

1 red latch mushroom pushbutton, ø40, Released by No. 620 key	1NC 1NO	ON / OFF	red / green black / white	YSI 1172 YSI 1173	0.33
2 momentary pushbuttons	1NC 1NO	I / O	red / green black / white	YSI 1843 YSI 1844	
1 red latch mushroom pushbutton, ø30, Released by turning 1/4 turn Overlapping contacts	1NC	Stop /  / 	white / black	YSI 1249	0.25
2 interlocked pushbuttons	1NC 1NO 1NC 1NO				



Watertight control boxes

Plastic bases and covers



Empty boxes

Description

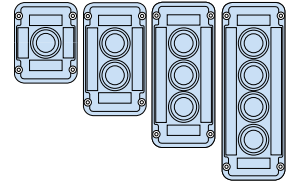
Part number

Weight kg

BTH CI (with integrated flanges)
for 1 to 4 integrated control components

BTH 1 CI
BTH 2 CI
BTH 3 CI
BTH 4 CI

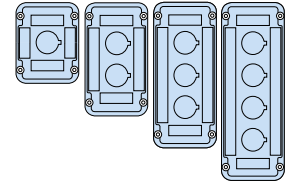
0.05
0.07
0.09
0.11



BTH SC (without flanges)
for 1 to 4 control components, $\varnothing 22$

BTH 1 SC
BTH 2 SC
BTH 3 SC
BTH 4 SC

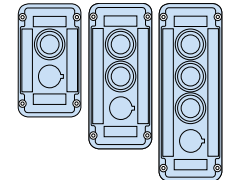
0.05
0.07
0.09
0.11



Combination BTH
for 1 to 3 integrated components
+ 1 control component, $\varnothing 22$ at one end

BTH 2 mixte
BTH 3 mixte
BTH 4 mixte

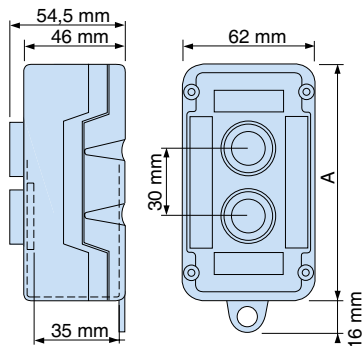
0.07
0.09
0.11



Dimensions

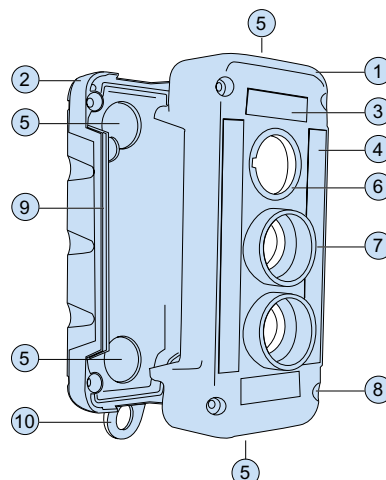
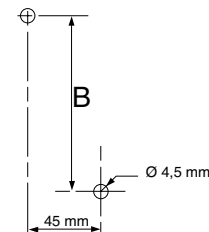
Cutouts

Dimensions in mm



	A	B
	79	67
	110	98
	141	129
	172	160

Distances between attachment
holes for mounting on the support



1 - Base
2 - Cover
3 - Recess for customer's logo
4 - Recess for function labels
5 - Knockouts
for sealing gland (PG13)

6 - Holes, $\varnothing 22$
SC versions (without flanges) or
Combination versions
7 - Flanges
CI versions (with integrated flanges) or
Combination versions

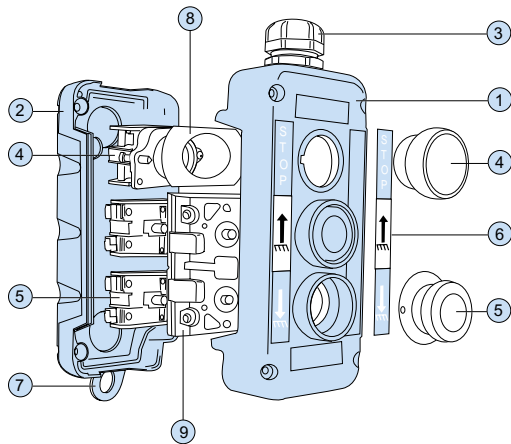
8 - 4 M3 screws
9 - Gasket
10- Hook
(optional)

Watertight control boxes

Plastic bases and covers



Complete control boxes



- 1 - Base
- 2 - Cover
- 3 - Sealing gland (P.E)
Standard
- PG 13 with support clamps (pendant boxes)
- PG 13 without support clamps (fixed boxes)
On request
- PG 13 spiral cable-guide, with support
Material : POLYAMIDE
- Standards : NFC 63 021
and NFC 68 311
- 4 - Control components,
ø 22 mm
- 5 - Integrated control components
- 6 - Polycarbonate, adhesive labels on either side
of the base.
Standard or customised pictograms (contact us)
- 7 - Hook (optional)

Tightening
capacity

8- 13mm IP66
10-12mm IP66
6- 12mm IP66

ø 22 control components for BTH SC and Combination BTH

Max. 1 tier, with 1 or 2 contacts

Refer to control components in catalogue A6 and E1

(A6: non-illuminated pushbuttons - Latch mushroom pushbuttons - selector switches - E1: Pilot lights)

Specific control components for BTH CI and Combination BTH

Soft-touch pushbuttons

- 1- Head for soft-touch pushbuttons
- 2- Electrical stack and screws (max. 1 tier)
 - 1 speed : 1 - 2 or 3 contacts
 - 2 speeds : 2 or 3 contacts

Interlock and screws (for 1-speed tier)
Prevent two adjacent pushbuttons
from being activated simultaneously.

Rotary selector ON/OFF switches and inverters

- 3- Head
- 4- Electrical stack (max. 1 tier)
with stable positions or automatic return



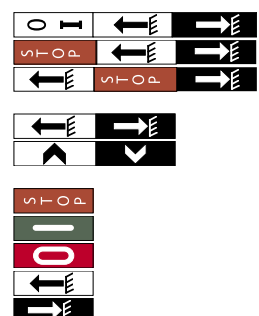
Assembly items for soft-touch pushbuttons - Heads

Description	Insert colour	Part number
Soft-touch pushbutton head (special for very low temperatures, contact us)	black	MAI 869 A00
	red	MAI 869 A20
	yellow	MAI 869 A40
	light blue	MAI 869 A60
	green	MAI 869 A50
	grey	MAI 869 A80
	white	MAI 869 A90



Standard labels

Description	Part number
BTH labels (3 components)	PAI 210 A 005 PAI 210 A 008 PAI 210 A 016
BTH labels (2 components)	PAI 209 A 001 PAI 209 A 003
BTH labels (1 component)	PAI 208 A 002 PAI 208 A 003 PAI 208 A 004 PAI 208 A 005 PAI 208 A 009



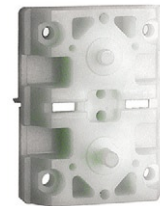
Watertight control boxes

Plastic bases and covers



Assembly items for soft-touch pushbuttons

Description	Contact	Part number
Electrical stack	1 speed	
Constituent parts :	1NO	YSI 1114
-Contact block	1NC	YSI 1115
-attachment parts (screw and clamp plate)	1NO 1NC	YSI 1116
	2NO	YSI 1117
	2NC	YSI 1118
	2NO EB (single push with early-break contact)	YSI 1119
	2 speeds	
	1NO + 1NO (double push)	YSI 1120
	1NO + 1NO EB (double push with early-break contact)	YSI 1121
Interlock for two pushbuttons with 1 electrical tier and 1 speed Can be used on : BTH 2,3 and 4 CI (integrated flanges) BTH 3 and 4 mixte Constituent parts : -Mechanism -Attachment parts		YSI 1122



Accessory for BTH

Description	Colour	Part number
Holster for box	Black	MAI1083A8



Assembly items for rotary selectors

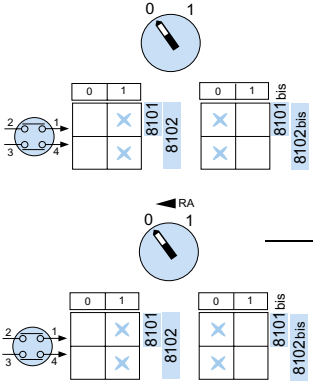
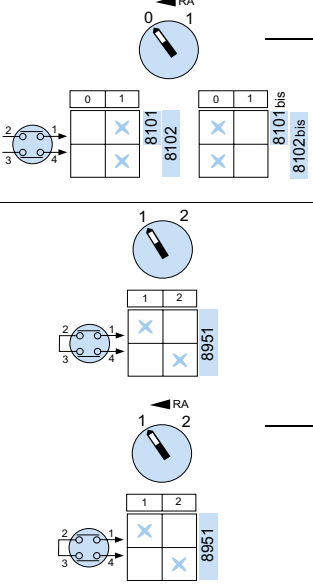
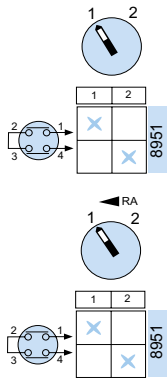
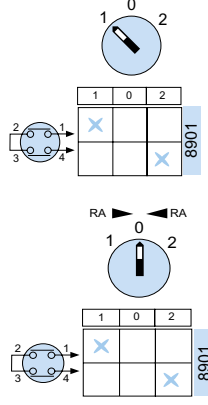
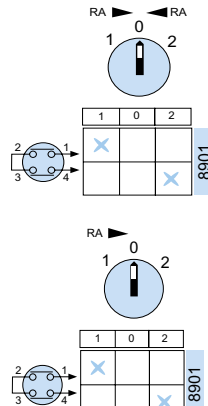
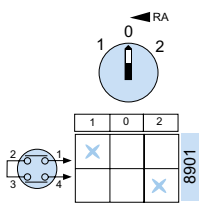
Description	Positions	Colour	Part number
For BTH CI (with integrated flanges): Rotary switch head Composition : -Paddle -Adapter -Gasket -Screw	1 2	black (Contact us for other colours)	YSI 1123
For BTH SC (without flanges): Rotary switch head Composition : - Paddle - Chrome metal flange - Adapter - Screw	1 2	black (Contact us for other colours)	LSND BTH



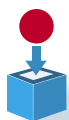
Assembly items for rotary switches

Electrical subassembly for BTH CI or Combination BTH

Constituent parts : - Contact block - 4 or 8 positions mechanism - Attachment parts (screw and clamp plate)

Standardised schematic	Function	Part number
	2 stable positions One-pole ON/OFF switch	BTH 8101 BTH 8101 bis
	Two-pole ON/OFF switch	BTH 8102 BTH 8102 bis
	positions at 90°	BTH 8101/2
	2 positions , 1 with automatic return from right to left One-pole ON/OFF switch	BTH 8101 RA BTH 8101 RA bis
	Two-pole ON/OFF switch	BTH 8102 RA BTH 8102 RA bis
	2 stable positions One-pole inverter	BTH 8951
	positions at 90°	BTH 8951/2
	2 positions , 1 with automatic return from right to left One-pole inverter	BTH 8951 RA
	3 positions , OFF in the centre One-pole inverter	BTH 8901
	positions at 90°	BTH 8901/4
	3 positions , 2 with automatic return to centre One-pole inverter	BTH 8901 RA
	3 positions , 1 with automatic return from left to centre One-pole inverter	BTH 8901 RA 1-0
	3 positions , 1 with automatic return from right to centre One-pole inverter	BTH 8901 RA 2-0





Watertight control boxes

BTH spécifiques



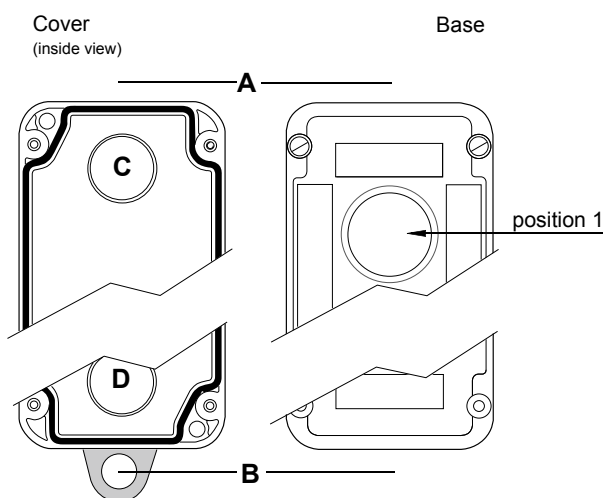
Definition chart

Compose your own product

Photocopy this page and complete the charts

Check the boxes ☐ corresponding to the options you want.

	BTH 1	BTH 2	BTH 3	BTH 4
BTH with integrate flanges	☐	☐	☐	☐
BTH without flanges	☐	☐	☐	☐
Combination BTH	☐	☐	☐	☐



Cover	Base	Select sealing gland				Attachment parts		
Hook at A ☐ or B ☐	1 hole (Ø 21) for sealing gland (PG 13) ☐	PG 13	A	B	C	D	Standard	Stainless steel
Leave blank if you do not want any hook	Leave blank if you do not want any hole	with support clamp	☐	☐	☐	☐	☐	☐
		without support clamp	☐	☐	☐	☐	☐	☐
		with cable-guide (without support clamps)	☐	☐	☐	☐	☐	☐
		other (specify)	☐	☐	☐	☐	☐	☐

Boxes with integrated flanges or Combination boxes

Choose de components				Interlock	Standard pictograms (see list for P/N)	
position	Electrical stack P/N	+	Head P/N		Left	Right
1				☐		
2				☐		
3				☐		
4				☐		

Boxes without flanges

Choose the ø 22 components (From our A6 and E1 catalogues)				Standard pictograms (see list for P/N)	
position	Body / Electrical stack P/N	+	Head P/N	Left	Right
1					
2					
3					
4					

Contact us for customised pictograms and company logos.

CONTENTS

OFFER

Watertight control boxes

Plastic bases and covers



22 BFP - 22 BFPB

Environmental characteristics

Temperature resistance	100°
Degree of protection	IP 66 per IEC and NF EN 60529

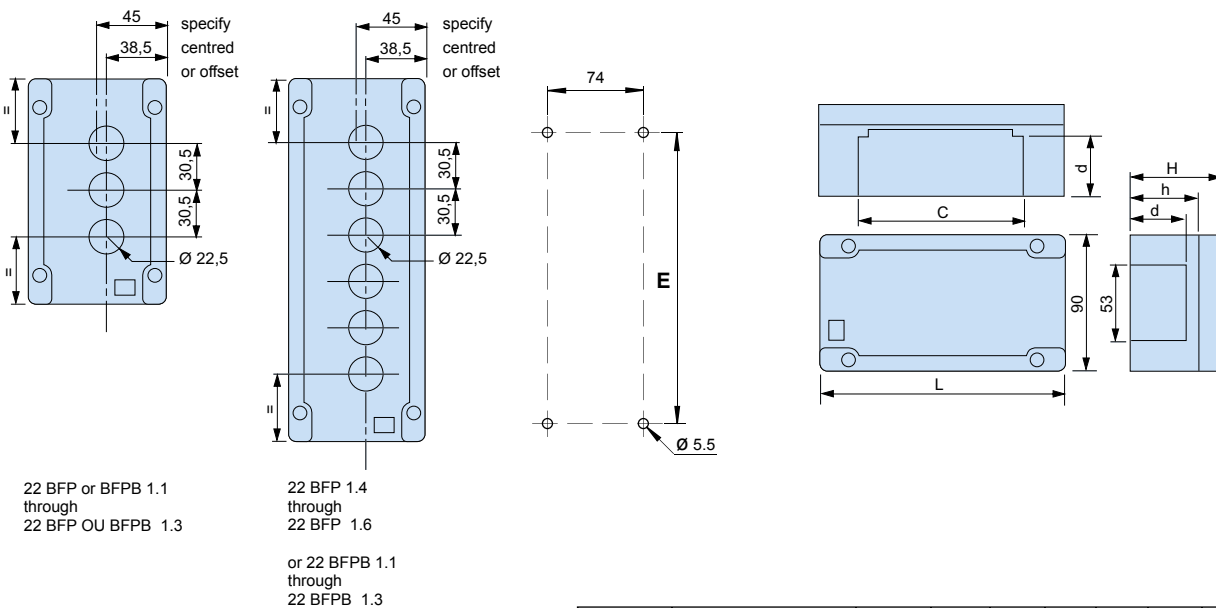


Mechanical characteristics

Material	Polyamide / fibre-glass compound
Colour	Grey or black (Contact us for other colours)
Useful depth	22 BFP - 80 mm 22 BFPB - 54 mm
Cover attachment	4 cylindrical-head screws, stainless steel.

Holes for sealing gland on request

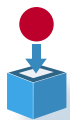
Dimensions and Attachment



Nbr of Ø22 holes	Part numbers	c	d	h	H	L	E	Weight Kg
0	22 BFP 1.1 NP	96.5	74	69	93	147	131	0.416
1	22 BFP 1.1	96.5	74	69	93	147	131	0.408
2	22 BFP 1.2	96.5	74	69	93	147	131	0.400
3	22 BFP 1.3	96.5	74	69	93	147	131	0.392
0	22 BFP 1.4 NP	186.5	74	69	93	237	221	0.512
4	22 BFP 1.4	186.5	74	69	93	237	221	0.504
5	22 BFP 1.5	186.5	74	69	93	237	221	0.496
6	22 BFP 1.6	186.5	74	69	93	237	221	0.488

Nbr of Ø22 holes	Part numbers	c	d	h	H	L	E	Weight Kg
0	22 BFPB 1.1 NP	96.5	43	51	67	147	131	0.316
1	22 BFPB 1.1	96.5	43	51	67	147	131	0.308
2	22 BFPB 1.2	96.5	43	51	67	147	131	0.300
3	22 BFPB 1.	96.5	43	51	67	147	131	0.292

Black housings : add the letter **N** to the Part number, e.g.: 22 BFP"**N**" 1.1 NP



Watertight control boxes

Plastic bases and covers

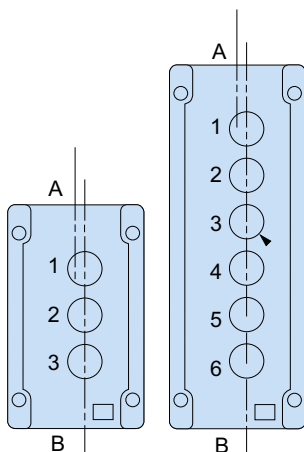


22 BFP - 22 BFPB

Composing your own control box

Photocopy this page and complete the charts

Check the boxes ☐ corresponding to the options you want.



Select sealing gland	Tightening capacity	Nbr of glands		Outputs	
		1	2	A	B
			BFP only		
PG 9	5 - 8 mm	☐	☐	☐	☐
PG 11	6 - 10 mm	☐	☐	☐	☐
PG 13	8 - 13 mm	☐	☐	☐	☐
PG 16	10 - 15 mm	☐	☐	☐	☐
Other (specify)		☐	☐	☐	☐

Housing P/N	Holes	(refer to catalogue A6 and E1 for P/Ns)		Type of screws	
	Centred	Offset	position	Choose your Ø 22 items	Choose your labels
	☐	☐	1		
			2		
			3		
			4		
			5		
			6		

Std. ☐

St. steel ☐

Watertight control boxes

Plastic bases and covers



BBE

Environmental characteristics

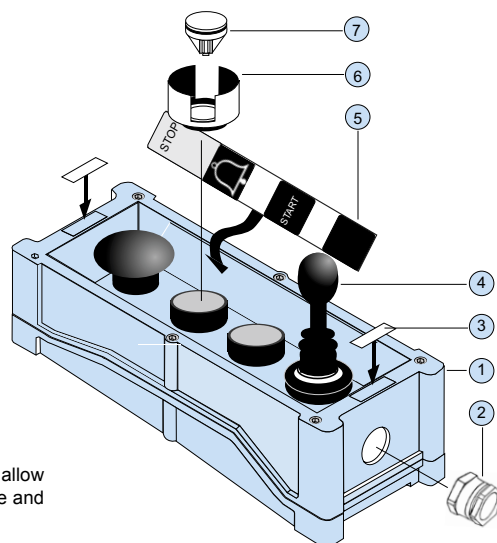
Storage temperature	- 40°C to +70°C
Operating temperature	- 25°C to +70°C
Degree of protection	IP 667 per IEC & NF EN 60 529
Resistance to chemicals	Highly resistance to acids, chemical bases and to petroleum products.
Fire resistance	HB per UL 94



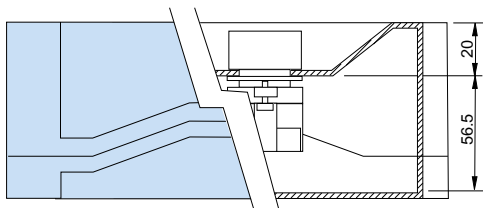
Mechanical characteristics

Material	Polyamide / fibre-glass compound, coloured in the moulding. Standard colour : black, contact us for other colours. 4, 5, 6, 8, 10, or 12 holes, ø 22 mm
Gasket	Foam, cord, ø 3 mm
Cable entry	Sealing gland
Attachment for support	2 possibilities : four H M5 screws and nuts or four C M5 screws and tapped hexagonal shims Tightening torque not more than 0.5 m. Kg
Base / cover attachment	Captive screws, hex. socket heads (CHC), ARCOR treated steel or cylindrical slotted head (CS). Standard : stainless steel Option: steel. Max. tightening torque : 2.5 Nm
Weight (kg)	See dimensions chart

Complete boxes



When selecting your components, allow for the useful depth between the base and caver (56.5 mm)



1- Housing

2 - Sealing gland

P/N	Tightening capacity
PG 11	7-10 mm
PG 13	10-12 mm
PG 16	12-14 mm
PG 21	14-19 mm

Material : nickel-plate brass
Sealing : IP 66
Standards : NFC 63021
and NFC 68312

Contact us for the other sealing gland type
e.g.: Plastic gland with cable guide

3 - Customer logo

4 - LC 22 control components

Refer to catalogue A6 and E1 for the P/Ns for Ø22 components

5 - Polycarbonate labels,
adhesive, on the either side of the front panel.
Standard or customised pictograms
(contact us)

6 - Guard

7 - Blanking plug

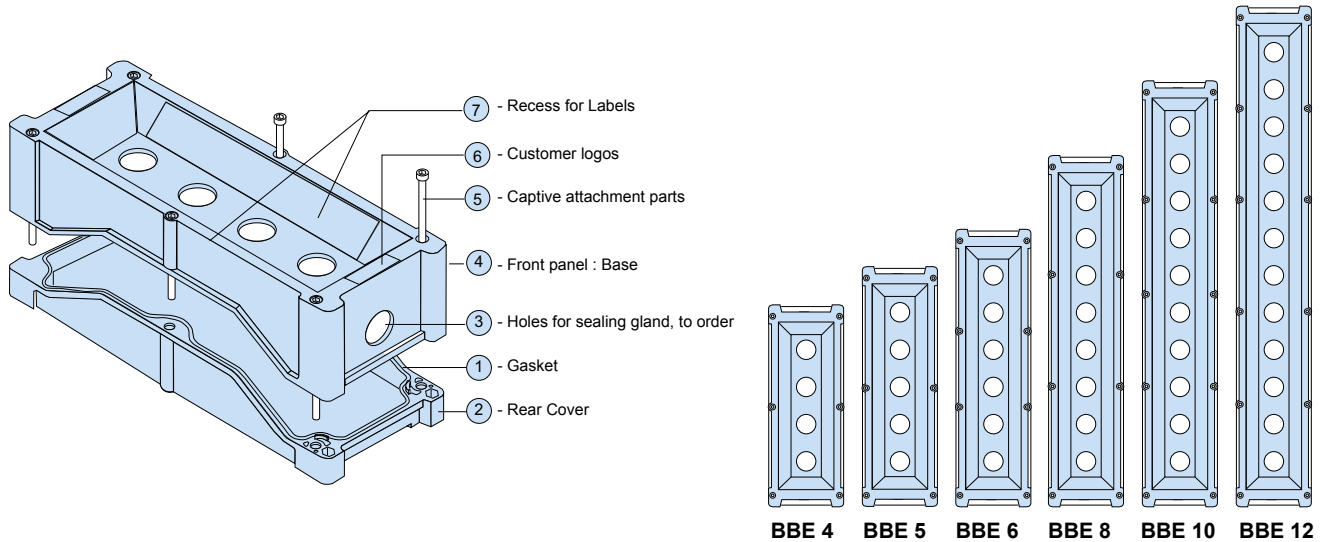
Watertight control boxes

Plastic bases and covers

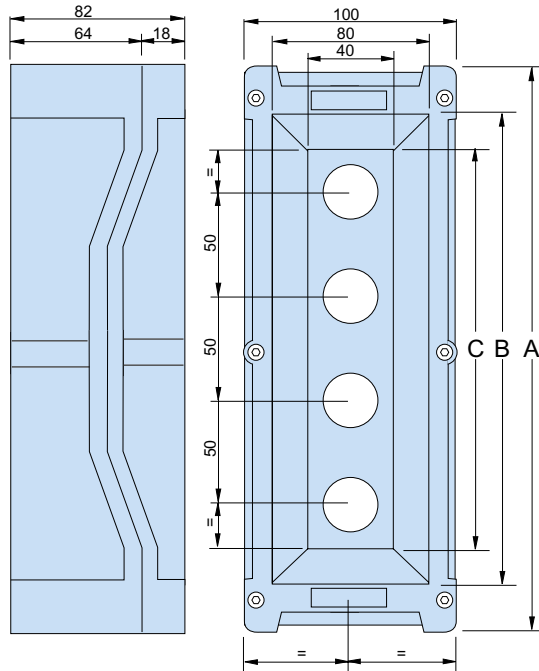


BBE

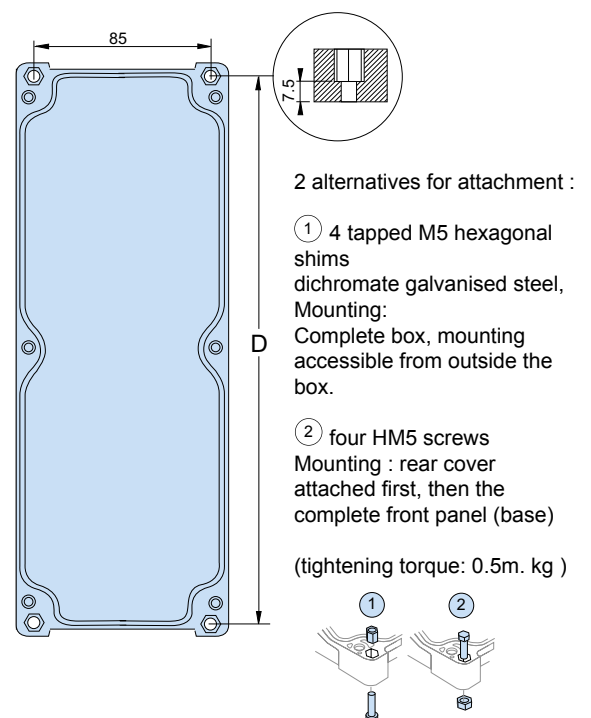
Empty boxes



Dimensions



Attachment



Housing	A	B	C	D	Weight (Kg)
BBE 4	270	230	190	257.5	0.465
BBE 5	320	280	240	307.5	0.535
BBE 6	370	330	290	358	0.615
BBE 8	470	430	390	459	0.740
BBE 10	570	530	490	560	0.810
BBE 12	670	630	590	661	0.960



Watertight control boxes

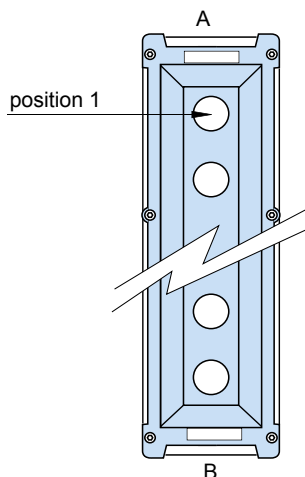
Plastic bases and covers



BBE

Composing your own Box with recessed controls

Photocopy this page and complete the charts (Check the boxes corresponding to the options you want)



Select sealing gland	Outputs	
	A	B
PG 11	☐	☐
PG 13	☐	☐
PG 16	☐	☐
PG 21	☐	☐
Other (specify)	☐	☐

Type of screws

Std. | St. steel

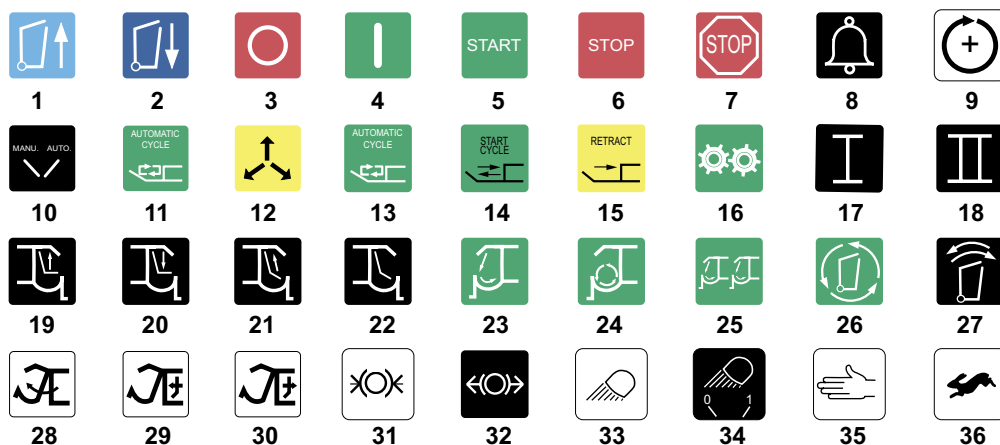
☐	☐
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Housing type						Choose your Ø 22 items (refer to catalogue A6 and E1 for P/N)			Accessories		Standard pictograms (P/N: list on request)		
						position	P/N for body / electrical stack	+	Head P/N	Guard	Plug	Left	Right
BBE 4 BBE 5 BBE 6 BBE 8 BBE 10 BBE 12						1							
							2						
							3						
							4						
							5						
							6						
							7						
							8						
							9						
							10						
							11						
							12						

Guards are only available for Ø 40 pushbuttons

Standard labels

Contact us for Company logos
and customised pictograms



Watertight control boxes

Plastic bases and covers



7 DP. 70

Environmental characteristics

Temperature resistance	100°
Degree of protection	IP 55 per IEC & NF EN 60 529
Fire resistance	UL 94 V0

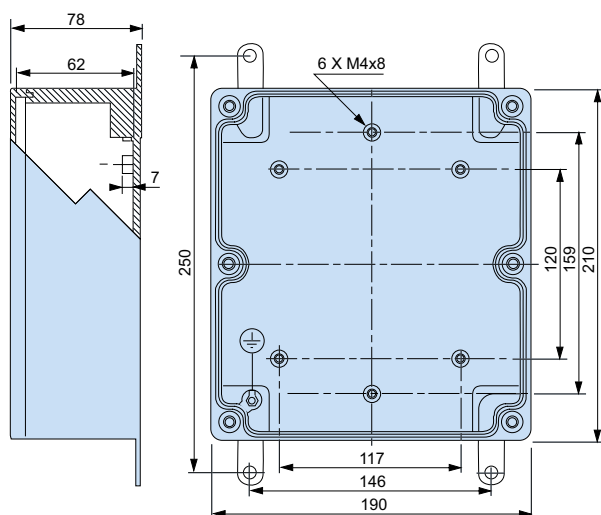
Mechanical characteristics

Material	Polycarbonate
Colour	Black, transparent, grey per RAL 7038
Useful depth	62 mm
Cover attachment	Stainless steel attachment tabs cover attachment: 6 captive stainless steel screws
Cable entry	Sealing glang (hole to order)



Colours	Part numbers	Weight Kg
Black	7DPN - 70	0.807
Grey	7DPG - 70	
Transparent	7DPC - 70	

Dimensions and attachment



Watertight control boxes

Light Alloy bases and covers



22BF.

Environmental characteristics

Degree of protection IP 55 IP 55 per IEC & NF EN 60 529

Mechanical characteristics

Material Aluminium alloy

Colour Blue (*Contact us for other colours*)

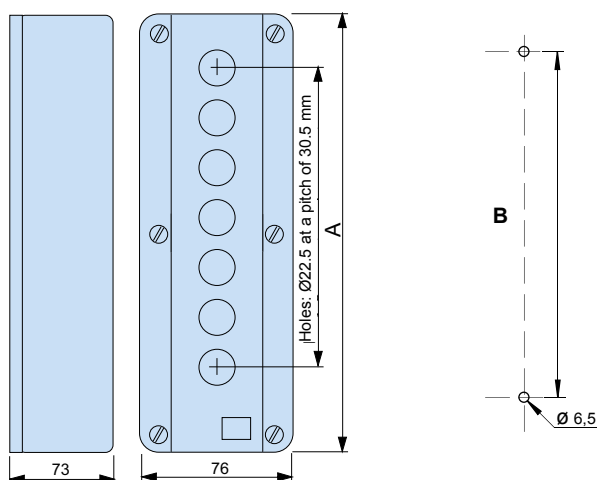
Useful depth 65 mm

Cover attachment 4 cylindrical-head screws



Housing delivered with threaded hole for PE 13 sealing gland.

Dimensions and attachment



Nbr of Ø22 holes	Part numbers	A	B	Nbr of glands per side	Weight Kg
0	22 BF 1.1 NP	120	85	1	0.560
1	22 BF 1.1	120	85	1	0.540
2	22 BF 1.2	120	85	1	0.520
0	22 BF 1.3 NP	180	145	1	0.740
3	22 BF 1.3	180	145	1	0.720
4	22 BF 1.4	180	145	1	0.700
0	22 BF 1.5 NP	270	235	2	0.945
5	22 BF 1.5	270	235	2	0.925
6	22 BF 1.6	270	235	2	0.905
7	22 BF 1.7	270	235	2	0.885

Watertight control boxes

Light alloy bases and covers



I 6 D 145 - I 12 D 145

Environmental characteristics

Degree of protection IP 55 per IEC & NF EN 60529

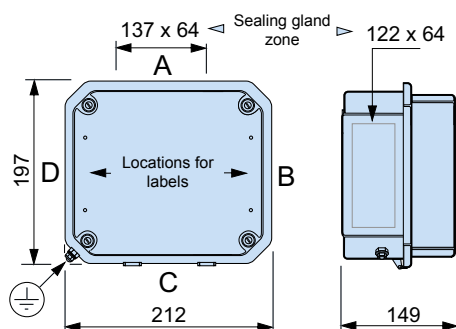


Mechanical characteristics

Material	Sheet steel
Colour	Bare steel (not painted)
Useful depth	145 mm
Cover attachment	2 hinges 4 cylindrical-head screws

Dimensions and attachment

Part numbers



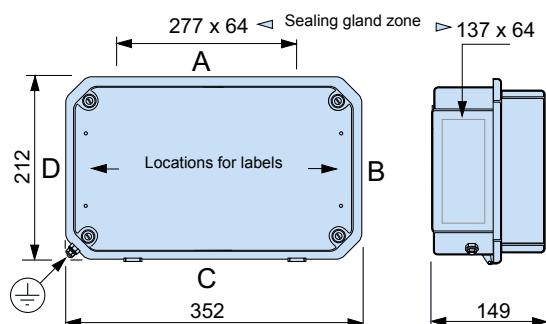
Part numbers

Weight Kg

I 6 D 145 CHPC (Hinge on short side)	1.750
I 6 D 145 CHGC (Hinge on long side)	1.750

Dimensions and attachment

Part numbers



Part numbers

Weight Kg

I 12 D 145 CHPC (Hinge on short side)	3.325
I 12 D 145 CHGC (Hinge on long side)	3.325