Control stations and enclosures

Control station enclosures : insulated, metal and flush mounting

Insulated enclosures XAP-A

Material and colour	Glass-reinforced polyester, coloured grey throughout
Approvals	Special version : CSA ENCLOSURE 4 and 5
Protective treatment	Standard version : “TC” and “TH”
Ambient air temperature	Operation : - 25…+ 70 °C. Storage : - 40…+ 70 °C
Degree of protection	IP 65 conforming to IEC 529 and IP 657 conforming to NF C 20-010
Electric shock protection	Class II conforming to IEC 536 and NF C 20-030
Flame resistance	CSTB : M3, NF C 20-455 : 850 °C, IEC 92 : 960 °C, UL 94 : VO
Chemical resistance	Highly resistant to acids, bases, sea water, mineral salts, all solvents, petrol, diesel, oils and greases
Cable entry	Undrilled, drill to suit

Diecast metal enclosures XAP-M

Material and colour	Zinc alloy **(XAP-M1, M2, M3, M4)**, aluminium alloy **(XAP-M5)**. Blue paint finish
Approvals	Special version : CSA ENCLOSURE 4 and 5, UL ENCLOSURE 1, 3, 4 and 12K
Protective treatment	Standard version : “TC”. Special version : “TH”
Ambient air temperature	Operation : - 25…+ 70 °C. Storage : - 40…+ 70 °C
Degree of protection	IP 65 conforming to IEC 529 and IP 657 conforming to NF C 20-010
Electric shock protection	Class I conforming to IEC 536 and NF C 20-030
Chemical resistance	Special treatments on request
Cable entry	Tapped entries for addition of cable glands (see dimensions, page 35050/6)

Metal enclosures XB2-S

Material and colour	Aluminium alloy or sheet steel. Blue paint finish
Protective treatment	Standard version : “TC”. Special version : “TH”
Ambient air temperature	Operation : - 25…+ 70 °C. Storage : - 40…+ 70 °C
Degree of protection	IP 54 conforming to IEC 529 and IP 547 conforming to NF C 20-010
Electric shock protection	Class I conforming to IEC 536 and NF C 20-030
Chemical resistance	Special treatments on request
Cable entry	**XB2-S** in aluminium alloy : tapped entries for addition of cable glands (see dimensions, page 35050/6)
	XB2-S in sheet steel : undrilled, drill to suit

Flush mounting enclosures XAP-E

Material and colour	Anodised aluminium front plate. Insulated protective rear cover
Protective treatment	Standard version : “TC” and “TH”
Ambient air temperature	Operation : - 25…+ 70 °C. Storage : - 40…+ 70 °C
Degree of protection	IP 65 conforming to IEC 529 and IP 657 conforming to NF C 20-010
Electric shock protection	Class I conforming to IEC 536 and NF C 20-030
Chemical resistance	High degree of resistance to organic acids, diluted mineral acids, salts, alcohol, acetone, chloride and fluoride solvents, oils and petrol
Cable entry	Through rear cover : ‘knock-out’ cable entries

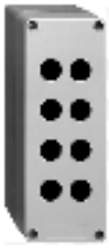
References : pages 35050/3 to 35050/5
Dimensions : pages 35050/6 and 35050/7

Control stations and enclosures

Control station enclosures : insulated, metal and flush mounting
With cut-outs for Ø 22 mm control and signalling units



XAP-A1104



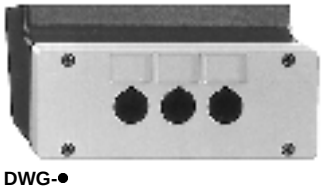
XAP-A2108



XAP-A3116

Insulated enclosures, glass-reinforced polyester (usable depth 83 mm)

Description	Front face dimensions mm	Number of cut-outs	Number of rows vertical	Number of rows horizontal	Reference	Weight kg
Without hinges	85 x 146	1	1	1	**XAP-A1110**	0.470
		2	1	2	**XAP-A1120**	0.450
		4	2	2	**XAP-A1104**	0.460
	85 x 226	8	2	4	**XAP-A2108**	0.580
	151 x 241	16	4	4	**XAP-A3116**	0.820
With hinges	151 x 241	16	4	4	**XAP-A4116**	0.850
Earthing plates Sheet steel with earth screw		For XAP-A1110			**XAP-Z110**	0.080
		For XAP-A1120			**XAP-Z120**	0.070
		For XAP-A1104			**XAP-Z104**	0.070
		For XAP-A2108			**XAP-Z208**	0.110
		For XAP-A3116 and A4116			**XAP-Z316**	0.160



DWG-●

Elbowed metal enclosures for mounting on vertical support

Description	Number of cut-outs	Reference	Weight kg
Elbowed enclosure metal Lid : light grey (RAL 7035) Base : dark grey (RAL 7016)	1	**DWG-1**	0.465
	2	**DWG-2**	0.545
	3	**DWG-3**	0.725
	4	**DWG-4**	0.725
	5	**DWG-5**	0.790
	6	**DWG-6**	0.990
	7	**DWG-7**	0.990

Other versions

Insulated and metal control station enclosures with cut-outs for Ø 30 mm control and signalling units.
Protective guards and fixing lugs for diecast metal enclosures.
Insulated and metal control station enclosures pre-fitted with Ø 22 units.
Adjustable floor mounting pedestal (790 to 1143 mm) for sheet steel enclosures.
Please consult your Regional Sales Office.

Characteristics : page 35050/2

Dimensions : page 35050/6

Control stations and enclosures

Control station enclosures : insulated, metal and flush mounting
With cut-outs for Ø 22 mm control and signalling units



XAP-M1202



XAP-M2203



XAP-M2504



XAP-M4508



XB2-SL42009



XB2-SL64007

Diecast metal enclosures (blue lid and base)

Description	Front face dimensions mm	Number of cut-outs	Number of rows vertical	Number of rows horizontal	Reference	Weight kg
Zinc alloy Usable depth 49 mm	80 x 80	1	1	1	**XAP-M1201**	0.455
		2	2	1	**XAP-M1202**	0.450
	80 x 130	2	1	2	**XAP-M2202**	0.610
		3	1	3	**XAP-M2203**	0.605
		4	2	2	**XAP-M2204**	0.600
	80 x 175	3	1	3	**XAP-M3203**	0.870
		4	1	4	**XAP-M3204**	0.880
		6	2	3	**XAP-M3206**	0.870
Zinc alloy Usable depth 74.5 mm	80 x 80	1	1	1	**XAP-M1501**	0.605
		2	2	1	**XAP-M1502**	0.600
	80 x 130	2	1	2	**XAP-M2502**	0.810
		3	1	3	**XAP-M2503**	0.815
		4	2	2	**XAP-M2504**	0.810
	80 x 175	3	1	3	**XAP-M3503**	1.145
		4	1	4	**XAP-M3504**	1.140
		6	2	3	**XAP-M3506**	1.130
	80 x 220	6	1	6	**XAP-M4506**	1.380
		8	2	4	**XAP-M4508**	1.370
Aluminium alloy Usable depth 74.5 mm	85 x 310	8	1	8	**XAP-M5508**	0.810
		12	2	6	**XAP-M5512**	0.790
Aluminium alloy Usable depth 78 mm	150 x 150	6	3	2	**XB2-SL32009**	0.970
		8	4	2	**XB2-SL42009**	0.960

Diecast metal enclosures (yellow lid, blue base)

Zinc alloy Usable depth 49 mm	80 x 80	1	1	1	**XAP-J1201**	0.455
Zinc alloy Usable depth 74.5 mm	80 x 80	1	1	1	**XAP-J1501**	0.605

Sheet steel enclosures

Usable depth 115 mm	200 x 200	8	4	2	**XB2-SL42007**	3.100
	200 x 260	16	4	4	**XB2-SL44007**	3.900
	260 x 260	24	6	4	**XB2-SL64007**	4.700
	260 x 320	30	6	5	**XB2-SL65007**	5.500
	320 x 320	40	8	5	**XB2-SL85007**	6.200

Other versions

Insulated and metal control station enclosures with cut-outs for Ø 30 mm control and signalling units.
Protective guards and fixing lugs for diecast metal enclosures.
Insulated and metal control station enclosures pre-fitted with Ø 30 XB2-M units.
Adjustable floor mounting pedestal (790 to 1143 mm) for sheet steel enclosures.
Please consult your Regional Sales Office.

Characteristics : page 35050/2

Dimensions : page 35050/6

Control stations and enclosures

Control station enclosures : insulated, metal and flush mounting
Undrilled or with cut-outs for Ø 22 mm control and signalling units



XAP-A1100



XAP-A2100



XAP-A3100



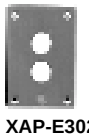
XAP-M11



XAP-M31



XAP-E301



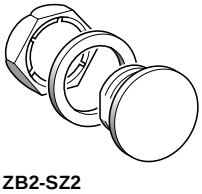
XAP-E302



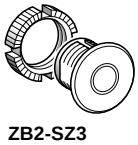
XAP-E303



XAP-E305



ZB2-SZ2



ZB2-SZ3
ZB2-SZ4

Insulated enclosures, undrilled

Description		Front face dimensions mm	Reference	Weight kg
Usable depth 83 mm	Without hinges	85 x 146	**XAP-A1100**	0.470
		85 x 226	**XAP-A2100**	0.600
		151 x 241	**XAP-A3100**	0.860
	With hinges	151 x 241	**XAP-A4100**	0.890
Earthing plates with earth screw	For XAP-A1100	–	**XAP-Z100**	0.080
	For XAP-A2100	–	**XAP-Z200**	0.130
	For XAP-A3100 and A4100	–	**XAP-Z300**	0.200

Diecast metal enclosures, undrilled

Blue lid and base	Zinc alloy Usable depth 49 mm	80 x 80	**XAP-M11**	0.460
		80 x 130	**XAP-M21**	0.620
		80 x 175	**XAP-M31**	0.900
	Zinc alloy Usable depth 74.5 mm	80 x 80	**XAP-M14**	0.610
		80 x 130	**XAP-M24**	0.830
		80 x 175	**XAP-M34**	1.160
		80 x 220	**XAP-M44**	1.410
	Aluminium alloy Usable depth 74.5 mm	85 x 310	**XAP-M54**	0.850
	Aluminium alloy Usable depth 78 mm	150 x 150	**XB2-SA220095**	0.970
Yellow lid, blue base	Zinc alloy Usable depth 49 mm	80 x 80	**XAP-J11**	0.460
	Zinc alloy Usable depth 74.5 mm	80 x 80	**XAP-J14**	0.610
		80 x 175	**XAP-J34**	1.160

Flush mounting enclosures for Ø 22 mm control and signalling units

Description	Material	Number of cut-outs	Front face dimensions mm	Reference	Weight kg
Front plates with fixing screws	Anodised aluminium	1	72 x 72	**XAP-E301**	0.050
		2	72 x 105	**XAP-E302**	0.075
		3	72 x 138	**XAP-E303**	0.095
		4	72 x 171	**XAP-E304**	0.115
		5	72 x 204	**XAP-E305**	0.135
Protective rear covers	Insulated	For front plate XAP-E301		**XAP-E901**	0.040
		For front plate XAP-E302		**XAP-E902**	0.050
		For front plate XAP-E303		**XAP-E903**	0.060
		For front plate XAP-E304		**XAP-E904**	0.070
		For front plate XAP-E305		**XAP-E905**	0.080

Accessories

Blanking plugs with seal and fixing nut For cut-outs Ø $22.3^{+0.4}_{-0}$ mm	Insulated	Black	**ZB2-SZ3**	0.005
		Grey	**ZB2-SZ4**	0.005
	Metal	Blue	**ZB2-SZ2**	0.020
Seal (degree of protection IP 65) (sold in lots of 7)	For mounting Ø 22 control and signalling units in DWG● enclosures		**ZB2-BZ004**	0.001

Other versions

Protective guards and fixing lugs for diecast metal enclosures.
Flush mounting enclosures, undrilled or with Ø 30 mm cut-outs.
Flush mounting control station enclosures pre-fitted with Ø 22 mm units.
Please consult your Regional Sales Office.

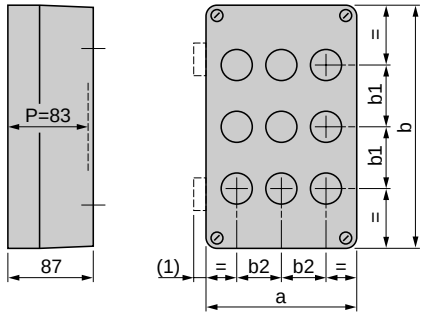
Characteristics : page 35050/2

Dimensions : page 35050/7

Control stations and enclosures

Control station enclosures : insulated, metal and flush mounting
With cut-outs for Ø 22 mm control and signalling units

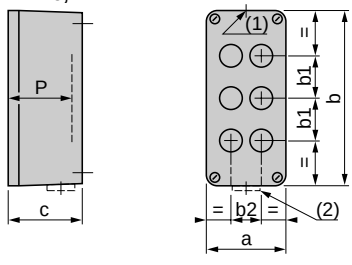
Insulated enclosures with cut-outs
XAP-A



XAP-	a	b	b1	b2	G	H
A1110	85	146	–	–	70	105
A1120	85	146	40	–	70	105
A1104	85	146	40	30	70	105
A2108	85	226	40	30	70	180
A3116, A4116	151	241	40	30	135	200

Drill cable entries to suit.
(1) 11 mm for XAP-A4●●● enclosures with hinges.
(2) 2 x Ø 5.6 mm holes, depth 12 mm.
P = Usable depth

Diecast metal enclosures with cut-outs
XAP-J, XAP-M



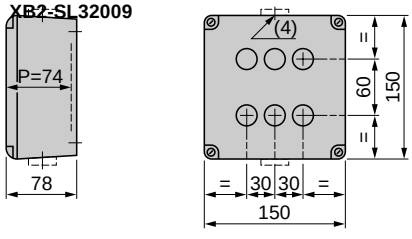
XAP-	a	b	b1	b2	c	G	H	P
J1201	80	80	–	–	51.5	50	65	49
J1501	80	80	–	–	77	50	65	74.5
M1201, M1202	80	80	–	–	51.5	50	65	49
M1501	80	80	–	–	77	50	65	74.5
M1502	80	80	–	30	77	50	65	74.5
M2202	80	130	40	–	51.5	50	115	49
M2203	80	130	40	–	51.5	50	115	49
M2204	80	130	30	–	51.5	50	115	49
M2502	80	130	40	–	77	50	115	74.5
M2503	80	130	30	–	77	50	115	74.5
M2504	80	130	40	30	77	50	115	74.5
M3203	80	175	40	–	51.5	50	160	49
M3204	80	175	30	–	51.5	50	160	49
M3206	80	175	40	30	51.5	50	160	49
M3503	80	175	40	–	77	50	160	74.5
M3504	80	175	30	–	77	50	160	74.5
M3506	80	175	40	30	77	50	160	74.5
M4506	80	220	30	–	77	50	205	74.5
M4508	80	220	40	30	77	50	205	74.5
M5508	85	310	30	–	77	55	295	74.5
M5512	85	310	40	30	77	55	295	74.5

(1) 1 hole, without blanking plug, for cable gland with 14 mm maximum clamping capacity, except :
- XAP-M3●●● and XAP-M4●●● : maximum capacity 18 mm,
- XAP-M5●●● : maximum capacity 24 mm.

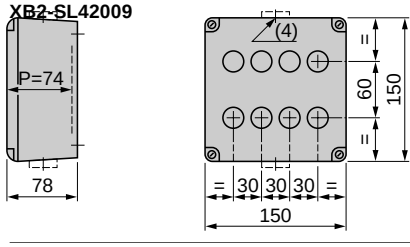
(2) 1 hole, with blanking plug (protrusion 6 mm), for cable gland with 14 mm maximum clamping capacity, except :
- XAP-M3●●● : maximum capacity 18 mm,
- XAP-M4●●● and XAP-M5●●● : undrilled.

(3) 2 x Ø 5.6 mm holes, depth 20 mm.
(4) 2 holes, with blanking plugs (protrusion 7.5 mm), for cable glands with 12 mm maximum clamping capacity.
P = Usable depth

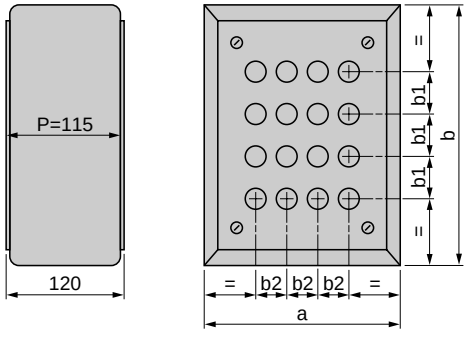
XB2-SL32009



XB2-SL42009



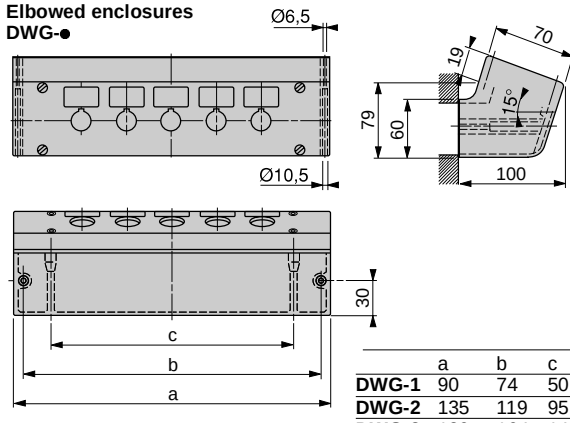
Sheet steel enclosures
XB2-SL



XB2-	a	b	b1	b2
SL42007	200	200	40	30
SL44007	200	260	40	30
SL64007	260	260	40	30
SL65007	260	320	40	30
SL85007	320	320	40	30

Enclosures supplied without fixing points or cable entries. In both cases, drill to suit. The enclosures are deep enough to accommodate all Ø 22 control and accommodate all Ø 22 control and signalling units.
P = Usable depth

Elbowed enclosures
DWG-●



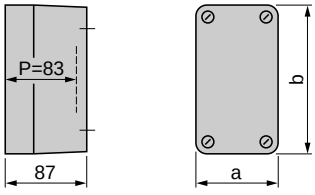
	a	b	c
DWG-1	90	74	50
DWG-2	135	119	95
DWG-3	180	164	140
DWG-4	180	164	140
DWG-5	225	209	185
DWG-6	290	274	230
DWG-7	290	274	230

Characteristics : page 35050/2
References :' pages 35050/3 and 35050/4

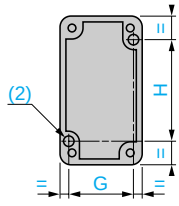
Control stations and enclosures

Control station enclosures : insulated, metal and flush mounting
Undrilled and with cut-outs for Ø 22 mm control and signalling units

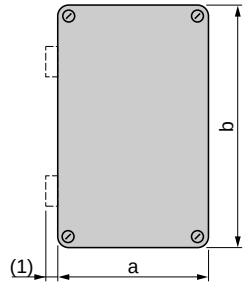
Undrilled insulated enclosures
XAP-A1100, XAP-A2100



Fixing



XAP-A3100, XAP-A4100

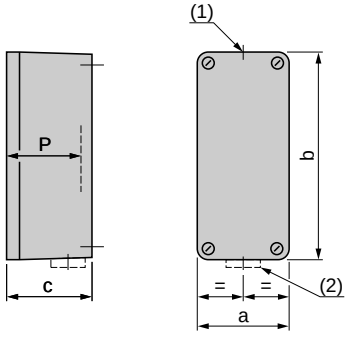


XAP-	a	b	G	H
A1100	85	146	70	105
A2100	85	226	70	180
A3100	151	241	135	200
A4100	151	241	135	200

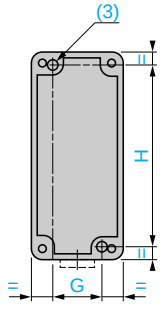
Drill cable entries to suit.
(1) 11 mm for **XAP-A4●●●** enclosures with hinges.
(2) 2 x Ø 5.6 mm holes, depth 12 mm.

P = Usable depth

Undrilled diecast metal enclosures
XAP-J●●, XAP-M●●



Fixing



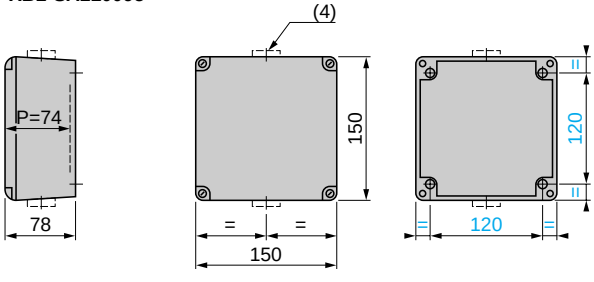
XAP-	a	b	c	G	H	P
J11	80	80	51.5	50	65	49
J14	80	80	77	50	65	74.5
J34	80	175	77	50	160	74.5
M11	80	80	51.5	50	65	49
M14	80	80	77	50	65	74.5
M21	80	130	51.5	50	115	49
M24	80	130	77	50	115	74.5
M31	80	175	51.5	50	160	49
M34	80	175	77	50	160	74.5
M44	80	220	77	50	205	74.5
M54	85	310	77	55	295	74.5

(1) 1 hole, without blanking plug, for cable gland with 14 mm maximum clamping capacity, except :
- **XAP-J34**, **M31**, **M34** and **M44** : maximum capacity 18 mm,
- **XAP-M54** : maximum capacity 24 mm.

(2) 1 hole, with blanking plug (protrusion 6 mm), for cable gland with 14 mm maximum clamping capacity, except :
- **XAP-J34**, **M31**, **M34** : maximum capacity 18 mm,
- **XAP-M44**, **M54** : undrilled.

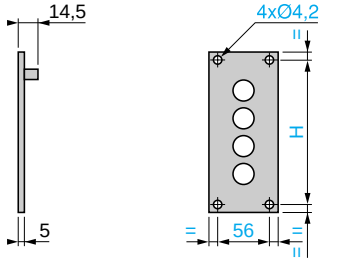
(3) 2 x Ø 5.6 mm holes, depth 20 mm.
(4) 2 holes, with blanking plugs (protrusion 7.5 mm), for cable glands with 12 mm maximum clamping capacity.

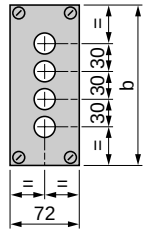
XB2-SA220095



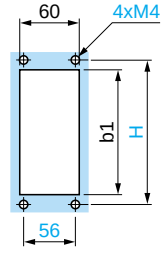
P = Usable depth

Flush mounting enclosures
Front plates with cut-outs for Ø 22 mm control and signalling units
XAP-E30●



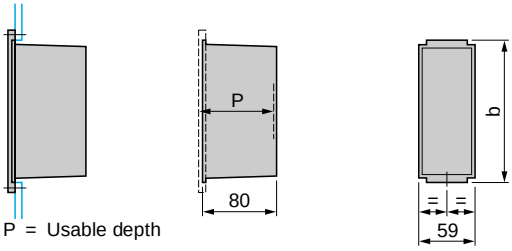


Panel cut-out



For Ø 22 mm control and signalling units Front plate XAP-	b	b1	H
E301	72	44	56
E302	105	77	89
E303	138	110	122
E304	171	143	155
E305	204	176	188

Mounting of front plate and protective rear cover



P = Usable depth

Protective rear cover for front plate XAP-E30●		
XAP-	b	P
E901	52	82.5
E902	85	82.5
E903	118	82.5
E904	151	82.5
E905	184	82.5

Characteristics : page 35050/2
References : page 35050/5