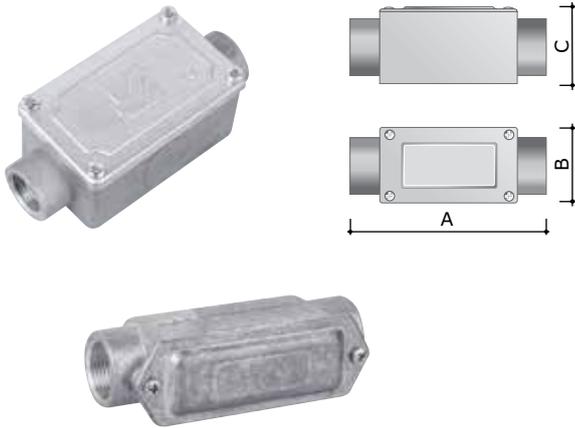


## IP55 aluminium alloy feeder boxes two ways direct - art. 6030

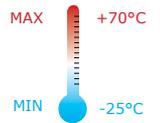


### Characteristics:

UNI EN 1706 (ex UNI 4514) die cast aluminium alloy feeder boxes with threaded mouthpieces. Produced with two, three or four paths, with mouthpieces that are vertical or perpendicular to cope with different kinds of installation requirements.

The wrap-around lids and surface seals guarantee IP55 water tightness. They are supplied in die cast aluminium alloy (B type) or moulded sheet aluminium (A type) depending on the item ordered.

The screws for securing the lid as well as the grounding screws are made of galvanised steel, but can also be supplied in AISI 304 stainless on request. For the electrical system to operate correctly, the feeding boxes should be installed every 4 straight lengths of piping, which will avoid the possibility of the insulation being damaged whilst the cables are being fed through. Suggested threads are: ISO metric in compliance with CEI EN 60423 and UNI ISO 228 GAS cylindrical.



### Metric

Thread F	Dimensions, mm			Type	Pack/pcs	Code
	A	B	C			
M 16x1,5	118	51	42	A	1	6030-16A
M 20x1,5	118	51	42	A	1	6030-20
M 25x1,5	118	51	42	A	1	6030-25
M 32x1,5	146	45	57	B	1	6030-32A
M 40x1,5	171	62	71	B	1	6030-40
M 50x1,5	204	96	83	B	1	6030-50

### ISO 228 GAS Cylindrical

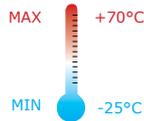
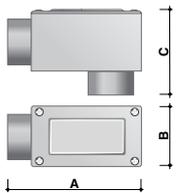
Thread F	Dimensions, mm			Type	Pack/pcs	Code
	A	B	C			
3/8"	118	51	42	A	1	6030-16N
1/2"	118	51	42	A	1	6030-12N
1/2"	123	40	48	B	1	6030-E12
3/4"	123	40	48	B	1	6030-E34
3/4"	118	51	42	A	1	6030-34
1"	146	45	57	B	1	6030-1
1" 1/4	171	62	71	B	1	6030-114
1" 1/2	171	62	71	B	1	6030-112
2"	204	76	83	B	1	6030-2
2" 1/2	257	107	122	B	1	6030-212
3"	257	107	122	B	1	* 6030-03
4"	314	133	148	B	1	* 6030-4

\*On request

## IP55 aluminium alloy feeder boxes two ways one downwards

art. 6030B

ISO 228 GAS Cylindrical

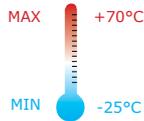


Thread F	Dimensions, mm			Type	Pack/pcs	Code
	A	B	C			
1/2"	117	40	65	B	1	603B-12
3/4"	117	40	65	B	1	603B-34
1"	137	45	78	B	1	603B-01
1" 1/4	163	62	89	B	1	603B-114
1" 1/2	163	62	89	B	1	603B-112
2"	190	76	108	B	1	603B-02
2" 1/2	238	107	150	B	1	603B-212
3"	238	107	150	B	1	* 603B-03
4"	300	133	185	B	1	* 603B-04

\*On request

## IP55 aluminium alloy feeder boxes two ways right-hand "R" S

ISO 228 GAS Cylindrical



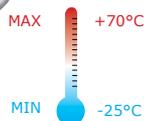
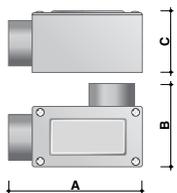
art. 6030D

Thread F	Dimensions, mm			Type	Pack/pcs	Code
	A	B	C			
1/2"	117	51	48	B	1	603D-12
3/4"	117	51	48	B	1	603D-34
1"	137	61	57	B	1	603D-01
1" 1/4	163	76	71	B	1	603D-114
1" 1/2	163	76	71	B	1	603D-112
2"	190	94	83	B	1	603D-02
2" 1/2	238	135	122	B	1	603D-212
3"	238	135	122	B	1	* 603D-03
4"	300	162	148	B	1	* 603D-04

\*On request

## IP55 aluminium alloy feeder boxes two ways left-hand "L" S

ISO 228 GAS Cylindrical



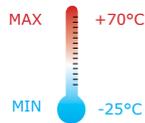
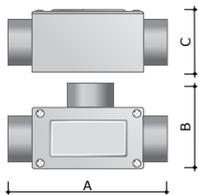
art. 6030S

Thread F	Dimensions, mm			Type	Pack/pcs	Code
	A	B	C			
1/2"	117	53	48	B	1	603S-12
3/4"	117	53	48	B	1	603S-34
1"	137	63	57	B	1	603S-01
1" 1/4	163	78	71	B	1	603S-114
1" 1/2	163	78	71	B	1	603S-112
2"	190	96	83	B	1	603S-02
2" 1/2	238	138	122	B	1	603S-212
3"	238	138	122	B	1	* 603S-03
4"	300	166	148	B	1	* 603S-04

\*On request

## IP55 feeder boxes three ways "T" type - art. 6330

### METRIC



Thread F	Dimensions, mm			Type	Pack/pcs	Code
	A	B	C			
M 16x1,5	118	67	42	A	1	6330-16A
M 20x1,5	118	67	42	A	1	6330-20
M 25x1,5	118	67	42	A	1	6330-25
M 32x1,5	146	63	57	B	1	6330-32A
M 40x1,5	171	78	71	B	1	6330-40
M 50x1,5	204	96	83	B	1	6330-50

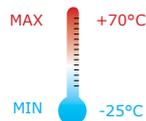
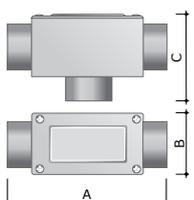
### ISO 228 GAS Cylindrical

Thread F	Dimensions, mm			Type	Pack/pcs	Code
	A	B	C			
3/8"	118	67	42	A	1	6330-16
1/2"	118	67	42	A	1	6330-12
1/2"	123	53	48	B	1	6330E12
3/4"	123	53	48	B	1	6330E34
3/4"	118	67	42	B	1	6330-34
1"	146	63	57	B	1	6330-1
1" 1/4	171	78	71	B	1	6330-114
1" 1/2	171	78	71	B	1	6330-112
2"	204	96	83	B	1	6330-2
2" 1/2	257	138	122	B	1	6330-212
3"	257	138	122	B	1	* 6330-3
4"	314	166	148	B	1	* 6330-4

\*On request

## IP55 feeder boxes three ways "T" type with one on the base - art. 633B

### ISO 228 GAS Cylindrical



Thread F	Dimensions, mm			Type	Pack/pcs	Code
	A	B	C			
1/2"	123	40	65	B	1	633B-12
3/4"	123	40	65	B	1	633B-34
1"	146	45	78	B	1	633B-01
1" 1/4	171	62	89	B	1	633B-114
1" 1/2	171	62	89	B	1	633B-112
2"	204	76	108	B	1	633B-02
2" 1/2	257	107	150	B	1	633B-212
3"	257	107	150	B	1	* 633B-03
4"	314	133	185	B	1	* 633B-04

\*On request

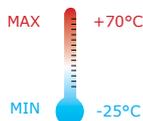
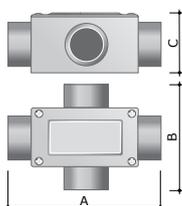
## IP55 feeder boxes four ways - art. 6430

### METRIC



Thread F	Dimensions, mm			Type	Pack/pcs	Code
	A	B	C			
M 16x1,5	118	83	42	A	1	6430-16A
M 20x1,5	118	83	42	A	1	6430-20
M 25x1,5	118	83	42	A	1	6430-25
M 32x1,5	146	81	57	B	1	6430-32A
M 40x1,5	171	96	71	B	1	6430-40
M 50x1,5	204	118	83	B	1	6430-50

### ISO 228 GAS Cylindrical

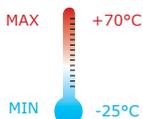
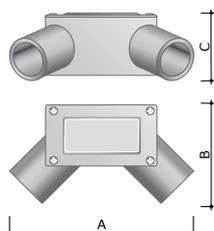


Thread F	Dimensions, mm			Type	Pack/pcs	Code
	A	B	C			
3/8"	118	83	42	A	1	6430-16
1/2"	118	83	42	A	1	6430-12
1/2"	123	68	48	B	1	6430E12
3/4"	123	68	48	B	1	6430E34
3/4"	118	83	42	A	1	6430-34
1"	146	81	57	B	1	6430-1
1" 1/4	171	96	71	B	1	6430-114
1" 1/2	171	96	71	B	1	6430-112
2"	204	118	83	B	1	6430-2
2" 1/2	257	164	122	B	1	6430-212
3"	257	164	122	B	1	* 6430-3
4"	314	196	148	B	1	* 6430-4

\*On request

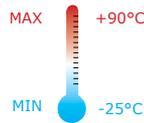
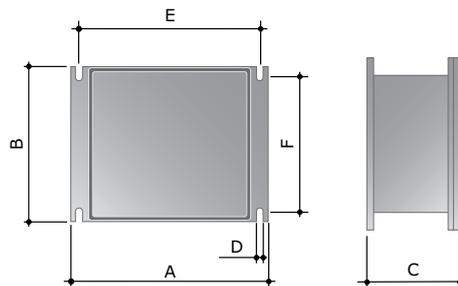
## IP55 feeder boxes two ways 90°- art. 603V

### ISO 228 GAS Cylindrical



Thread F	Dimensions, mm			Type	Pack/pcs	Code
	A	B	C			
1/2"	130	64	44	B	1	603V-12
3/4"	130	64	44	B	1	603V-34
1"	148	73	50	B	1	603V-01
1" 1/2	182	103	71	B	1	603V-112
2"	211	118	83	B	1	603V-02
2" 1/2	310	156	115	B	1	603V-212

## IP66/IP67 aluminium alloy painted junction boxes



Colours Textured RAL 9006 metallic grey

### Classification:

Manufactured in compliance with CEI EN 60670 and CEI 23-48 standards

System protection in accordance with EN 60529 standard: IP66/IP67

Impact resistance in accordance with CEI EN 50102: Rating IK07 - IK08 only cod. 65300

Electrical Properties: Electrical continuity guaranteed

Resistance to salt spray in compliance with ASTM B117: 500 hours (slotted surface).

### Characteristics of product:

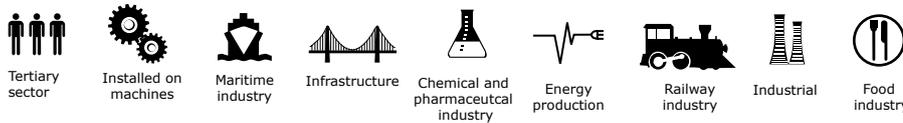
Junction boxes made of aluminium alloy EN AB 46100 (ex. UNI 5076) in conformity with UNI EN 1676, oven-cured epoxy resin finish.

They are supplied with closed walls and wrap-around cover; the polyurethane foam seal pre-fitted into the cover guarantees a seal level of. Complete with AISI 304 stainless steel screws to fasten the cover and 1 grounding kit code no. 66950074A, the boxes come equipped with blocks for grounding and attaching plates, brackets and accessories. They are attached to the wall using the external brackets included in the base.

Each box is packaged individually. Kits for internal attachment are available on request. Special drilling and equipment to customer specifications.

PLEASE NOTE: For special applications, the end-use must be specified at the time the order is placed.

### Areas of application



Dimensions, mm										Pack/pcs	Code
Internal dimensions, mm				External dimensions, mm			Wall fastenings, mm				
A	B	C	From base plates	A	B	C	D	E	F		
90	90	53	/	100	100	59	6,0	80	86	32	65300
128	103	55	45	140	115	60	6,0	120	100	24	65301
154	129	58	48	166	142	64	7,0	144	125	16	65302
178	155	74	64	192	168	80	6,5	168	149	12	65303
239	202	85	75	253	217	93	9,0	226	196	6	65304
294	244	114	104	314	264	122	9,0	275	236	2	65305
392	298	144	127	410	315	153	9,0	367	283	1	65306

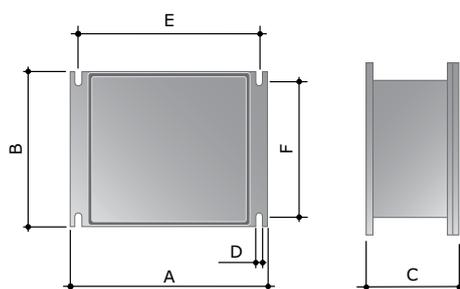
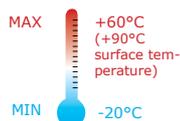
### Shunts recommended for individual sides with rigid metal conduits attached using a flat metric ring nut

Thread	65300		65301		65302		65303		65304		65305		65306	
	A	B	A	B	A	B	A	B	A	B	A	B	A	B
M16	2	2	3	2	3	3	4	4	5	5	6	6	9	7
M20	2	1	2	2	3	2	3	3	5	4	5	5	8	6
M25	1	1	2	2	2	2	3	3	4	4	4	4	6	5
M32	1	1	1	1	2	1	2	2	3	3	4	3	5	4
M40	/	/	/	/	/	/	2	2	2	2	3	3	4	3
M50	/	/	/	/	/	/	1	1	2	2	2	2	4	3
M63	/	/	/	/	/	/	/	/	2	1	2	2	3	2

**66950074A**

Kit for internal and grounding fixings (no.2 screw 4x8mm + no.2 screw anchor)

## IP66 ATEX aluminium alloy painted junction boxes



Colours Textured RAL 7037 grey

II 3 GD



### Application:

Permanent installations in environments with explosion hazard identified as Zone 2 and Zone 22 on the basis of EN standards 61241-0 and EN 60079-0. Good resistance to atmospheric agents, suitable for external installations. For special applications, the end-use must be specified at the time the order is placed.

### Characteristics of product:

Enhanced-safety junction boxes made of aluminium alloy EN AB 46100 (ex. UNI 5076) in conformity with UNI EN 1676, oven-cured polyester resin finish.

They are supplied with closed walls and wrap-around cover; the polyurethane foam seal pre-fitted into the cover guarantees a seal level of IP66.

Also included: AISI 304 stainless steel screws to fasten the cover; 1 internal grounding kits code no. 66950074A; one external grounding kit (one M4x8mm stainless steel screw + one grounding lug in tinned copper section 6 mm<sup>2</sup> + antirotation bracket); installation, use and maintenance instructions.

The interior of the boxes come equipped with blocks for grounding and attaching plates, brackets and accessories; the exterior has a threaded hole for connection to the grounding wire.

They are attached to the wall using the external brackets included in the base. Each box is packaged individually.

Kits for internal attachment are available on request. Special drilling and equipment to customer specifications.

PLEASE NOTE: Non-equipped boxes classified as Ex components may be utilized only together with other electrical equipment. These units require further certification in addition to that issued by DKC Cosmec.

### Characteristics

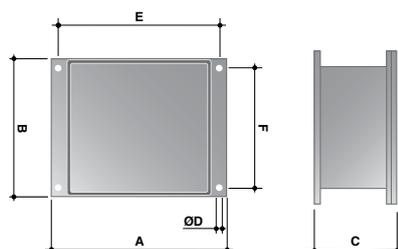
Standard	EN 61241-0, EN 61241-1, EN 60079-0, EN 60079-15, EN 60670-22
On the basis of ATEX directive	94/9/CE
Classification	Components group II – Category 3GD
Protection level marking	II 3GD Exe II CGb Ex tb III CDb IP66 U
System protection standard in compliance with EN 60529	IP66
Max. permitted surface temperature	+90° C
Electrical properties	Electrical continuity guaranteed

Dimensions, mm										Pack/pcs	Code
Internal dimensions, mm				External dimensions, mm			Wall fastenings, mm				
A	B	C	From base plates	A	B	C	D	E	F		
90	90	53	/	100	100	59	6,0	80	86	32	65300EX
128	103	55	45	140	115	60	6,0	120	100	24	65301EX
154	129	58	48	166	142	64	7,0	144	125	16	65302EX
178	155	74	64	192	168	80	6,5	168	149	12	65303EX
239	202	85	75	253	217	93	9,0	226	196	6	65304EX
294	244	114	104	314	264	122	9,0	275	236	2	65305EX
392	298	144	127	410	315	153	9,0	367	283	1	65306EX

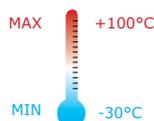
### Maximum number of cable glands for side

Thread	65300		65301		65302		65303		65304		65305		65306	
	A	B	A	B	A	B	A	B	A	B	A	B	A	B
M16	2	1	3	2	3	3	4	4	6	5	6+6	6+6	8+8	7+7
M20	1	1	2	2	3	2	3	3	4	4	5+5	5+5	6+6	5+5
M25	/	/	/	/	2	2	3	2	3	3	4	4	5+5	4+4
M32	/	/	/	/	/	/	2	2	3	2	3	3	5	4
M40	/	/	/	/	/	/	/	/	2	2	3	3	4	3

## IP65 Painted junction boxes


**Colours**

Textured RAL 7035 metallic grey


**Classification:**

Manufactured in compliance with CEI EN 60670 and CEI 23-48

System protection in accordance with EN 60529: IP65

Electrical Properties: Electrical continuity guaranteed

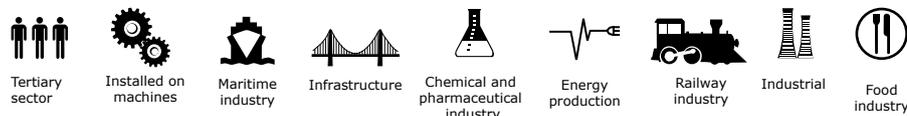
**Characteristics of product:**

Junction boxes made of EN AB 44 100 (ex. UNI 4514) die cast aluminium alloy in compliance with UNI EN 1676 standard, oven painted with epoxy resins.

They are sold with closed sides and wrap around lid, and a NBR seal guarantees the IP65 water tightness.

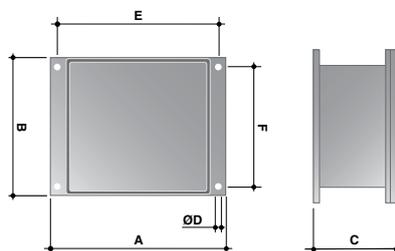
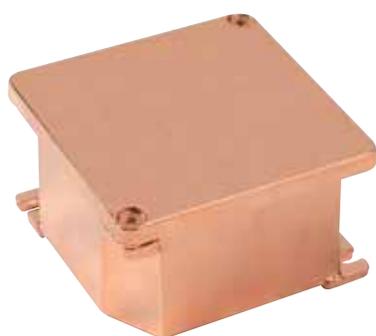
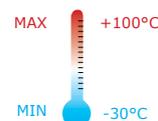
Come complete with stainless steel screws to fix the lid and for internal and external grounding. The blocks for grounding and for fixing the support and accessories are preinstalled.

They are fixed to a wall by means of external brackets incorporated into the base of the boxes. Each box is packaged individually. The base plates for internal fixing are manufactured on request. We can also supply drilling and equipment to customer specifications.

**Areas of application**


Dimensions, mm									Pack/pcs	Code
Internal dimensions, mm			External dimensions, mm			Wall fastenings, mm				
A	B	From base plates	A	B	C	D	E	F		
78	78	52	90	90	75	6,5	74	74	1	65310
98	98	65	110	110	85	6,5	94	94	1	65311
135	135	79	147	147	100	6,5	131	131	1	65312
289	131	92	305	147	110	7,0	285	127	1	65313
289	212	92	305	230	110	7,0	285	210	1	65314
289	212	172	305	230	190	7,0	285	210	1	65315
454	289	175	470	305	195	7,0	450	285	1	65316
597	282	156	620	305	195	6,5	600	285	1	65317

## IP66/IP67 die cast aluminium alloy copper plated nickel junction boxes


**Areas of application**

**Classification:**

Standard References: CEI EN 60670, CEI 23-48 System Protection Standard CEI EN 60529: IP 66/IP 67

Impact resistance Standard CEI EN 50102: IK 08

Electrical Properties: Electrical continuity guaranteed

**Characteristics of product:**

Junction boxes made of aluminium alloy EN AB 46100 (formerly UNI 5076) in compliance with UNI EN 1676 standard; nickel and copper plated.

The thick electrolytic coating provides elevated resistance to atmospheric agents and its appearance is similar to that of copper alloys, including aging.

They are supplied with closed walls and wrap-around cover; the polyurethane foam seal pre-fitted into the cover guarantees a seal level. Complete with AISI 304 copper-plated stainless steel screws to fasten the cover and 1 grounding kit code no. 66950074A, they come equipped with blocks for grounding and attaching plates, brackets and accessories.

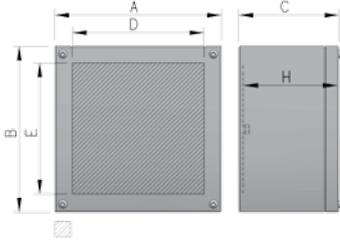
They are attached to the wall using the external brackets included in the base of the box. Each item is packaged individually

Dimensions, mm									Pack/pcs	Code
Internal dimension, mm			External dimension, mm			Wall fastenings, mm				
A	B	C	A	B	C	D	E	F		
90	90	53	100	100	59	6	80	86	1	65300N

**66950074A**

Kit for internal fastenings (no.2 screw 4x8mm + no.2 screw anchor)

## IP66 stainless steel junction boxes



### Classification:

System protection in accordance with EN 60529 standard, IP66

Electrical Properties: Electrical continuity guaranteed

Corrosion resistance: High

Code 6410S..EX (available on customer request -SERIE DS-EX) on the basis of ATEX directive 94/9/CE

Classification: Components group II – Category 2G1D U

Products certified for ZONE 1-2 and 20-21-22

### Characteristics of product:

AISI 304 (X5CrNi1810 1.4301 UNI EN 10088-1) finely satin-finish stainless steel junction boxes, of a sturdy construction, made from a single, 1.2 mm thick sheet of stainless steel. This is trimmed, pressed and then welded in an inert environment in order to prevent the possibility of corrosion. A neoprene rubber seal that is both oil resistant and self-extinguishing, and pre-fitted into the lid ensures IP66 water tightness. They come complete with leakproof screws to fasten the lid and grounding as required by law. M6 stainless steel stud bolts are placed on the base of the boxes to attach the frame and base plates (except for COD. 6410E01 and COD. 6411E01). The 6411 series is drilled on the lid for a diameter dimension of 22.5mm; the location of the holes can be identified by referring to the tables and drawings above.

The kits to attach to walls COD. 6412F must be requested separately and they can be attached easily by piercing a hole for a diameter dimension of 8mm; IP rating is guaranteed by the leakproof seals included inside the kit. Made in AISI 316 (X5CrNiMo17-12-2 1.4401 UNI EN 10088-1) stainless steel are available on customer request.

### Areas of application



Installed on machines



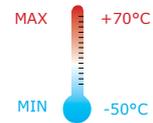
Food industry



Infrastructure



Chemical and pharmaceutical industry

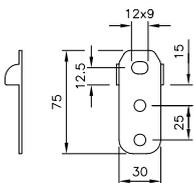


File n° E237618

Dimensions, mm						Pack/pcs	Plate bases code	Code
A	B	C	D	E	H			DE
82	82	86	/	/	80	1	/	6410E01
142	82	86	/	/	80	1	6410P02	6410E02
202	82	86	/	/	80	1	6410P03	6410E03
132	152	86	/	/	80	1	6410P04	6410E04

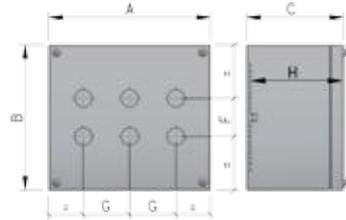
Dimensions, mm						Pack/pcs	Plate bases code	Code	
A	B	C	D	E	H			DS	TYPE NEMA
190	150	125	146	106	118	1	6410P06		6410S06
210	190	125	166	146	118	1	6410P09		6410S09
270	190	125	226	146	118	1	6410P12		6410S12
270	240	125	226	196	118	1	6410P16		6410S16

## Wall fastening



Description	Pack/pcs	Code
Kits to attach to walls	2	6412F

## IP66 stainless steel keypads


**Classification:**

System protection in accordance with EN 60529 standard, IP66

Electrical Properties: Electrical continuity guaranteed

Corrosion resistance: High

Code 6410S..EX (available on customer request -SERIE DS-EX) on the basis of ATEX directive 94/9/CE

Classification: Components group II – Category 2G1D U

Products certified for ZONE 1-2 and 20-21-22

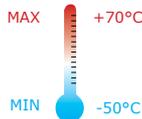
**Characteristics of product:**

AISI 304 (X5CrNi1810 1.4301 UNI EN 10088-1) finely satin-finish stainless steel junction boxes, of a sturdy construction, made from a single, 1.2 mm thick sheet of stainless steel. This is trimmed, pressed and then welded in an inert environment in order to prevent the possibility of corrosion. A neoprene rubber seal that is both oil resistant and self-extinguishing, and pre-fitted into the lid ensures IP66 water tightness. They come complete with leakproof screws to fasten the lid and grounding as required by law. M6 stainless steel stud bolts are placed on the base of the boxes to attach the frame and base plates (except for COD. 6410E01 and COD. 6411E01). The 6411 series is drilled on the lid for a diameter dimension of 22.5mm; the location of the holes can be identified by referring to the tables and drawings above.

The kits to attach to walls COD. 6412F must be requested separately and they can be attached easily by piercing a hole for a diameter dimension of 8mm; IP rating is guaranteed by the leakproof seals included inside the kit. Made in AISI 316 (X5CrNiMo17-12-2 1.4401 UNI EN 10088-1) stainless steel are available on customer request.



File n° E237618


**Areas of application**


Installed on machines



Food industry



Infrastructure

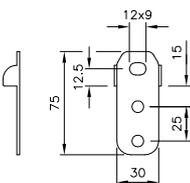


Chemical and pharmaceutical industry

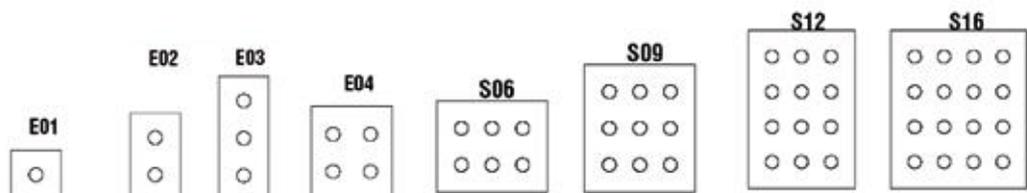
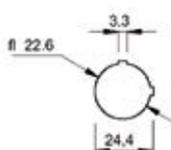
Dimensions, mm						Pack/pcs	Plate bases code	Code
A	B	C	F	G	H			PE
82	82	86	/	/	80	1	/	6411E01
142	82	86	/	60	80	1	6410P02	6411E02
202	82	86	/	60	80	1	6410P03	6411E03
132	152	86	60	60	80	1	6410P04	6411E04

Dimensions, mm						Pack/pcs	Plate bases code	Code
A	B	C	F	G	H			PS
190	150	100	60	50	93	1	6410P06	6411S06
210	190	100	50	60	93	1	6410P09	6411S09
270	190	100	50	60	93	1	6410P12	6411S12
270	240	100	50	60	93	1	6410P16	6411S16

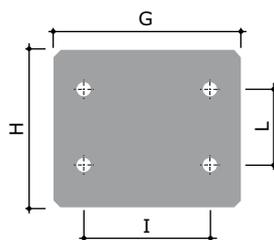
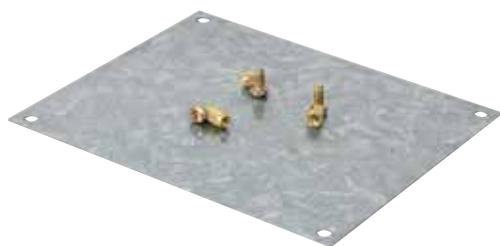
## Wall fastening



Description	Pack/pcs	Code
Kits to attach to walls	2	6412F



## Plate bases



**Characteristics:**

Made from galvanized steel sheet, drilled and supplied complete with screws to fix them on the base of the junction boxes (N. 2 kits for internal fixings cod. 66950074A). They are used to install equipment and terminal strips inside the boxes.

Dimensions, mm				Box reference	Pack/pcs	Code
G	H	I	L			
122	82	107	66	65301	1	653011
133	109	121	98	65302	1	653012
165	124	153	112	65303	1	653013
206	172	188	153	65304	1	653014
254	210	238	198	65305	1	653015
349	260	333	248	65306	1	653016

## Horizontal and diagonal DIN guide kit



**Characteristics:**

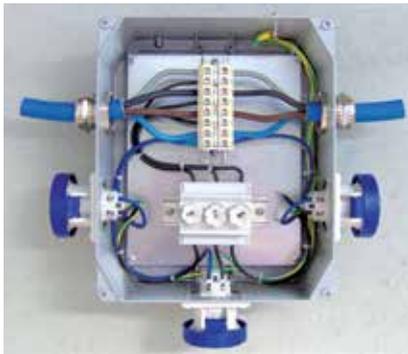
Made from a guide with EN 50022 omega profile, they are drilled and pre-shaped. This kit obviates the need for the base plate. Available in horizontal and diagonal form. Supplied with one (1) kit for internal fastening code no. 66950074A

Box reference	Pack/pcs	Diagonal article code	Horizontal article code
65300	1	653020	-
65301	1	653021	653021H
65302	1	653022	653022H
65303	1	653023	653023H
65304	1	653024	653024H
65305	1	653025	653025H
65306	1	653026	653026H

**66950074A**

Kit for internal and grounding fixings (no.2 screws 4x8mm + no.2 screws anchor)

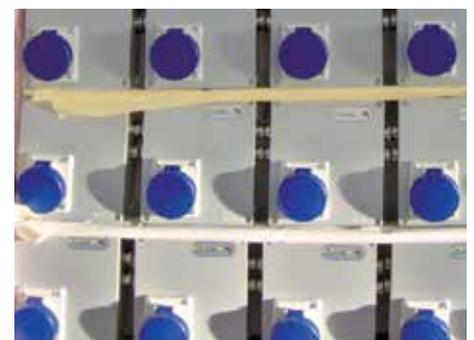
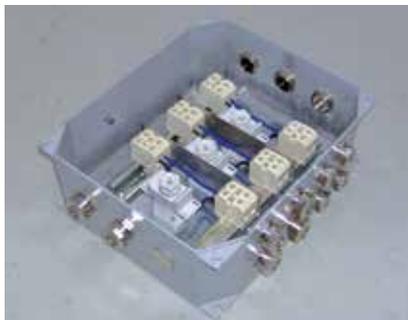
## Equipped junction boxes



For over 20 years, DKC COSMEC s.r.l. has been producing and selling a wide range of metallic junction boxes, normally supplied with closed walls.

Thanks to the availability of work centers, punches and well-organized assembly benches, DKC COSMEC is able to supply junction boxes already drilled to the clients' drawings or equipped with glands, seals, attaching plates, bars to DIN standards, terminal strips, wiring, etc., with customized packing solutions, even for orders of small quantities. On the basis of the specific requirements, we can suggest solutions or produce samples.

This customized product service facilitates the clients in terms of management of their activities and guarantees a definite and economical price for a product "ready for installation".



## Fire resistance junction boxes



**Characteristics:**

New tunnel drilling systems now make it possible to build mountain and urban crossings in a relatively short amount of time, thus improving traffic flow. In the area of electrical systems for tunnels, there is a strong need for safety and for reliable materials, particularly in view of accidents that have occurred in highway tunnels. This is why DKC offers a series of metal junction boxes designed to meet current safety requirements and capable of making installation and maintenance jobs in tunnels much easier. These boxes have been tested by certifying bodies in order to demonstrate that their components can guarantee continuous electrical power in case of fire.

**FIRE-PROOF certification**

FIRE-PROOF certifications guarantee that the product has passed the performance tests required by ANAS guidelines for lighting, safety and fume extraction systems. The test requested by ANAS, known as FIRE RESISTANCE (November 2009), consists in bringing the environment surrounding the boxes to a temperature of 850°C for 90 minutes.

**References standards:**

EN 60670-22 Boxes and enclosures for electrical accessories for household and similar fixed electrical installations. Part 22: Particular requirements for connecting boxes and enclosures.

**Available products:**

- **Boxes in painted aluminium:** The line of boxes in painted aluminium passed the furnace test at 400°C for 300' (test report INTEC no. RP 07-0017) and the test required for cables at 850°C for 90' in compliance with standard CEI EN 50362 ed. 1 2003 (test report IMQ 01SH0015/1).
- **Sheet steel boxes:** The line of sheet steel boxes, suitable treated and painted, guarantees up to 720 hours of salt fog corrosion resistance, and passed the furnace test at 920°C for 20', in compliance with standard NF C32-070 (test report CSI no. DC02/011/F05).
- **Boxes AISI 304 stainless steel:** Designed to offer the highest corrosion resistance, they passed the furnace test at 920°C for 20', in compliance with standard NF C32-070 (test report CSI no. DC02/011/F05).

DKC offers its customers the chance to customize boxes according to their installation needs.

## Behaviour with chemical agents

### Aluminium / Varnished steel

Saline solution	Acids		Bases		Solvents				Mineral oil	UV rays
	Concentrated	Diluted	Concentrated	Diluted	Hexane	Benzol	Acetone	Alcohol		
Resistant	Limited resistance	Limited resistance	Limited resistance	Limited resistance	Resistant	Resistant	Resistant	Resistant	Resistant	Resistant

### AISI 304 stainless steel

Saline solution	Acids		Bases		Solvents				Mineral oil	UV rays
	Concentrated	Diluted	Concentrated	Diluted	Hexane	Benzol	Acetone	Alcohol		
Limited resistance	Resistant	Resistant	Resistant	Resistant	Resistant	Resistant				

For specific substances please contact our technical service

## Technical characteristics

Insulation voltage	400V~
Insulation degree	Class 1 - Class 2
Protection degree	IP66
Operating temperature according to reference standard	-25°C +60°C
Max. operating temperature (short-term)	-40°C +90°C
Material	Painted grey RAL 9006 aluminium Painted grey RAL 7035 steel AISI 304 stainless steel
Impact resistance in compliance with standard CEI EN 50102	IK07/IK10
Cable entry	Blank sides
DIN rail fixing	Yes



Insulation piercing terminals.



Lid bottom sealing gaskets and cables with IP66 protection degree.



Stainless steel captive screws M5 for the lid.



Airtight captive screws IP66 for use control.

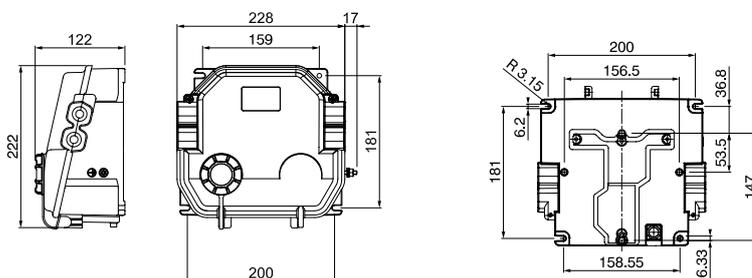


M5 external earth terminal.



Line protection fuses.

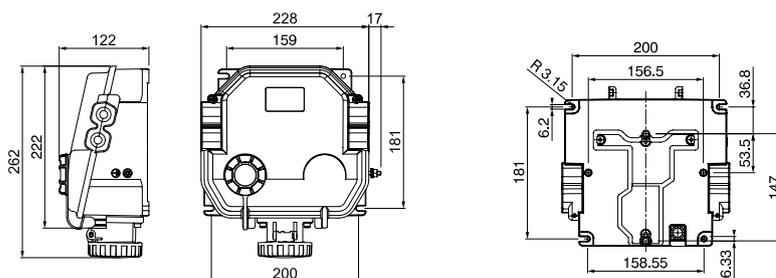
## Junction box with insulation piercing through-type line with cable gland



Cable section mm <sup>2</sup>	Protections	Cable gland	Pack./ pcs	Class 1 ↓	Class 2 □
6-35	1 fuse 4A (L)	n°1 M25 (11-16mm)	1	PA360B	PA360BC2
	2 fuse 4A (L+N)	n°1 M25 (11-16mm)	1	PA360B2F	PA360B2FC2
	1 fuse 4A (L)	n°2 M25 (11-16mm)	1	PA3602B	PA3602BC2
	2 fuse 4A (L+N)	n°2 M25 (11-16mm)	1	PA3602B2F	PA3602B2FC2

Protection by means of fuse 2A D01 gG.  
 Impact resistance in compliance with CEI EN 50102: IK10

## Junction box with through-type line with socket



Cable section mm <sup>2</sup>	Protections	Cable gland	Pack./ pcs	Class 1 ↓	Class 2 □
6-35	1 fuse 4A (L)	2P+T 230V IEC	1	PA360A	PA360AC2
	2 fuse 4A (L+N)		1	PA360A2F	PA360A2FC2

Protection by means of fuse 2A D01 gG.  
 Impact resistance in compliance with CEI EN 50102: IK10

## Boxes in aluminium alloy - single pole cables, T6530 series



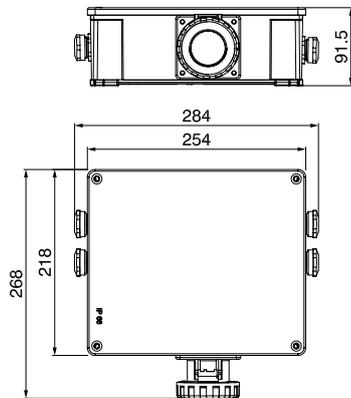
Box with cable gland



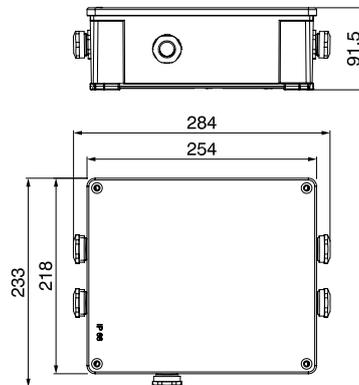
Box with CEE socket

Description	Cable section mm <sup>2</sup>	Terminal strip mm <sup>2</sup>	Cable glands	Pack./ pcs	Cable gland code N.1 M25 (11÷16mm)	CEE socket code N.1 socket 16A - 2P+T
Single pole cables	2x(1x4) 2x(1x6)	2x16	n°4 M20 (8÷12mm)	1	4HTB4S2C1Y1	4HTB4S2Z1Y1
	2x(1x10)	4x16	n°4 M20 (8÷12mm)	1	4HTB4S4C1Y1	4HTB4S4Z1Y1
	2x(1x16)	4x16	n°4 M25 (11÷16mm)	1	4HTC4S4C1Y1	4HTC4S4Z1Y1
	2x(1x25) 2x(1x35)	4x50	n°4 M25 (11÷16mm)	1	4HTC4Y1C1Y1	4HTC4Y1Z1Y1
Single pole line base	2x(1x4) 2x(1x6)	2x16	n°2 M20 (8÷12mm)	1	4HTB2S2C1Y1	4HTB2S2Z1Y1
	2x(1x10)	2x16	n°2 M20 (8÷12mm)	1		
	2x(1x16)	2x16	n°2 M25 (11÷16mm)	1	4HTC2S2C1Y1	4HTC2S2Z1Y1
	2x(1x25) 2x(1x35)	2x50	n°2 M25 (11÷16mm)	1	4HTC2Y1C1Y1	4HTC2Y1Z1Y1

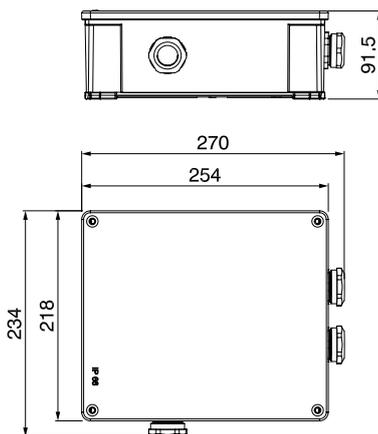
Protection by means of fuse 2A D01 gG.  
Impact resistance in compliance with CEI EN 50102: IK07



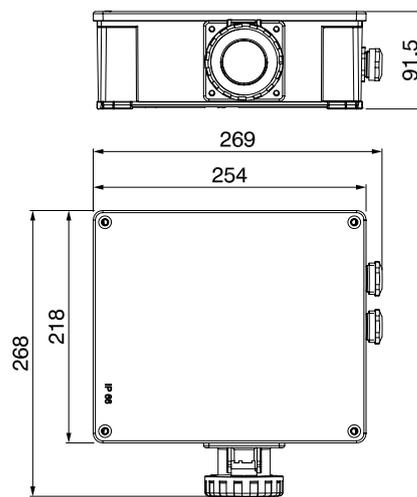
4HTB4S2Z1Y1  
4HTB4S4Z1Y1  
4HTC4S4Z1Y1  
4HTC4Y1Z1Y1



4HTB4S2C1Y1  
4HTB4S4C1Y1  
4HTC4S4C1Y1  
4HTC4Y1C1Y1



4HTB2S2C1Y1  
4HTC2S2C1Y1  
4HTC2Y1C1Y1



4HTB2S2Z1Y1  
4HTC2S2Z1Y1  
4HTC2Y1Z1Y1

Boxes in aluminium alloy - multi pole cables, T6530 series



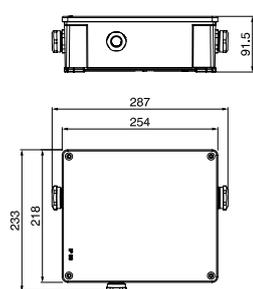
Box with cable gland



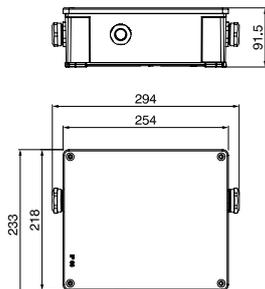
Box with CEE socket

Description	Cable section mm <sup>2</sup>	Terminal strip mm <sup>2</sup>	Cable glands	Pack. / pcs	Cable gland code N.1 M25 (11-16mm)	CEE socket code N.1 socket 16A - 2P+T
Multi pole cables	4x4 - 4x6	4x16	n°2 M32 (15÷21mm)	1	4HTD2S4C1Y1	4HTD2S4Z1Y1
	4x10 - 4x16	6x16	n°2 M40 (15÷27mm)	1	4HTE2S6C1Y1	4HTE2S6Z1Y1
	4x25 - 4x35	4x50	n°2 M50 (22÷35mm)	1	5HTF2Y2C1Y1	5HTF2Y2Z1Y1
Multi pole line base	4x4 - 4x6	4x16	n°1 M32 (15÷21mm)	1	4HTD1S4C1Y1	4HTD1S4Z1Y1
	4x10 - 4x16	4x16	n°1 M40 (15÷27mm)	1	4HTE1S4C1Y1	4HTE1S4Z1Y1
	4x25 - 4x35	4x50	n°1 M50 (22÷35mm)	1	5HTF1Y2C1Y1	5HTF1Y2Z1Y1

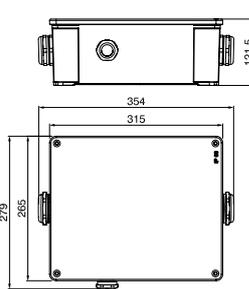
Protection by means of fuse 2A D01 gG.  
Impact resistance in compliance with CEI EN 50102: IK07



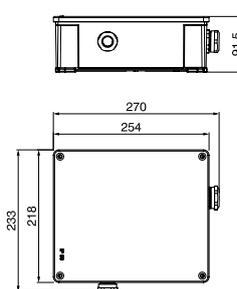
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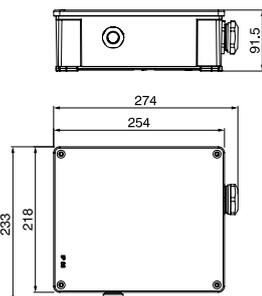
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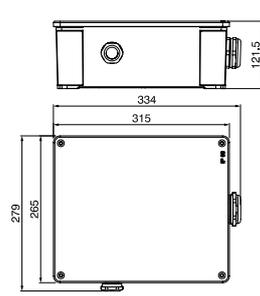
5HTF2Y2C1Y1



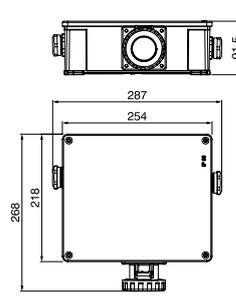
4HTD1S4C1Y1



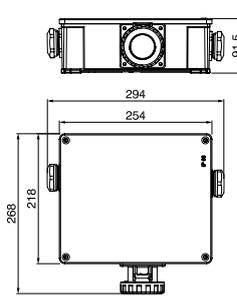
4HTE1S4C1Y1



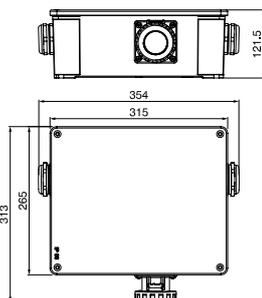
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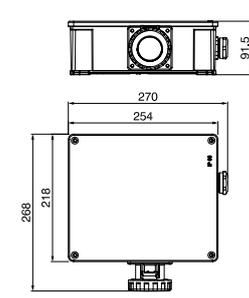
4HTD2S4Z1Y1



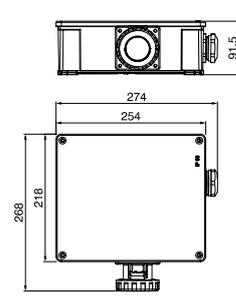
4HTE2S6Z1Y1



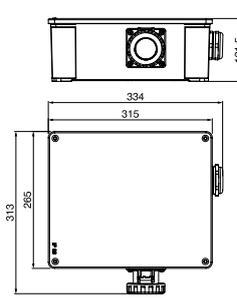
5HTF2Y2Z1Y1



4HTD1S4Z1Y1



4HTE1S4Z1Y1



5HTF1Y2Z1Y1

## Steel boxes - Multi pole cables



Paint box  
Dimensions: 200x200x120 mm



Stainless steel box  
Dimensions: 210x190x125 mm

Cable section mm <sup>2</sup>	Terminal strip mm <sup>2</sup>	Cable glands	Shunt cable glands	Pack./ pcs	Paint code	Steel code
4x4 - 4x6	4x16	n°2 M32 (15÷21mm)	n°1 M25 (11÷16mm)	1	640F-0D2S4C1X1	640X-0D2S4C1X1
4x10 - 4x16	6x16	n°2 M40 (15÷27mm)	n°1 M25 (11÷16mm)	1	640F-0E2S6C1X1	640X-0E2S6C1X1
4x10 - 4x16	6x16	n°2 M40 (15÷27mm)	n°1 M25 (11÷16mm)	1		

Protection by means of fuse 2A D01 gG.  
Impact resistance in compliance with CEI EN 50102: IK10

## Steel boxes – Single pole cables



Paint box  
Dimensions: 200x200x120 mm

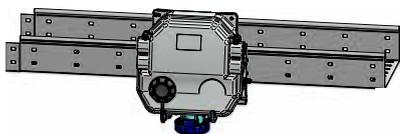


Stainless steel box  
Dimensions: 210x190x125 mm

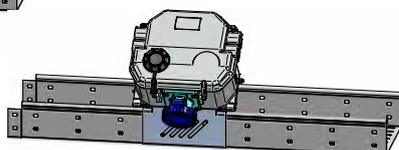
Cable section mm <sup>2</sup>	Terminal strip mm <sup>2</sup>	Cable glands	Shunt cable glands	Pack./ pcs	Paint code	Steel code
2x(1x4) 2x(1x6)	2x16	n°4 M20 (8÷12mm)	n°1 M25 (11÷16mm)	1	640F-0B4S2C1X1	640X-0B4S2C1X1
2x(1x10)	4x16	n°4 M20 (8÷12mm)	n°1 M25 (11÷16mm)	1	640F-0B4S4C1X1	640X-0B4S4C1X1

Protection by means of fuse 2A D01 gG.  
Impact resistance in compliance with CEI EN 50102: IK10

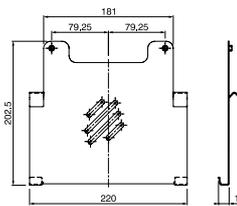
## Universal fixing brackets



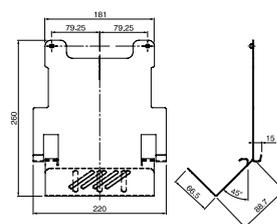
Vertical fixing plate



45° Cable tray fixing plate



Vertical fixing plate



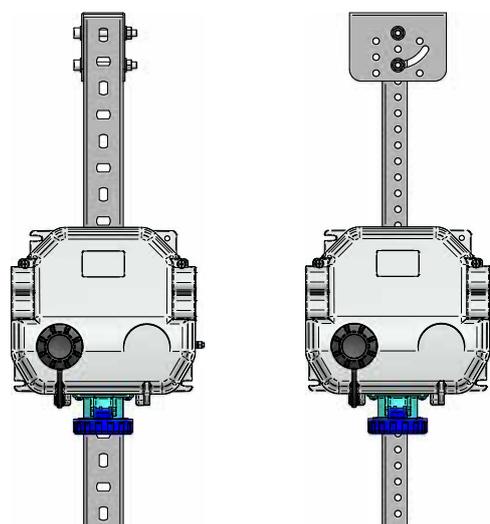
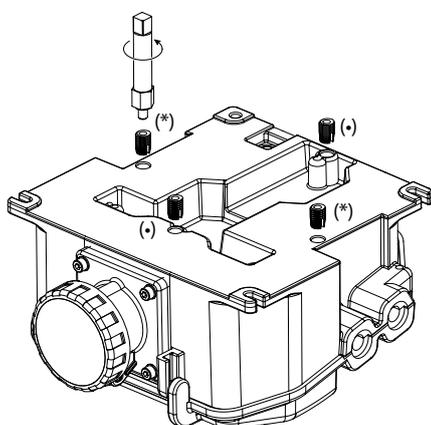
45° Cable tray fixing plate

Material	Pack./pcs	Vertical fixing plate code	45° Cable tray fixing plate code
Painted steel RAL 7035	1	PA360PS	PA360PS45
AISI 304 stainless steel	1	PA360PSS	PA360PSS45

## Fixing pins



Description	Pack./pcs	Code
Steel fixing pin	1	PA360KIF
Pin fixing tool	1	PA360KAIF



Example of vertical fixing plate

(\*): Inserts for horizontal fixing to bracket  
 (•): Inserts for vertical fixing to bracket  
 M6 steel inserts assembled manually or using a drill