

0960 14 Polyester 0960 32 Aluminium 0970 00 Stainless steel

Rectangular boxes

- M20 and M25 threaded entries (untapped holes for Cat. No. 0960 19 and for all stainless steel boxes)
- Supplied with Gravoply 63 x 18 mm identification labels (yellow with black engraving)
- Inside, EN 50022 \sqcup fixing rail 7.5 mm deep (2 rails for Cat. No. 0960 19)

Pre-drilled polyester

- Internal earth : 6 mm² terminals

External dimensions length x width x depth (mm)	Weight (Kg)	Volume (dm ³)	Cat. No.	Pack
120 x 110 x 95	0.7	2.1	0960 14	1
170 x 110 x 95	0.9	2.7	0960 15	1
230 x 110 x 95	1.1	3.2	0960 16	1
320 x 250 x 150	1.5	16	0960 19	1

Pre-drilled aluminium

- Internal earth : 6 mm² terminal (1 per entry). External earth : M5 screw

External dimensions length x width x depth (mm)	Weight (Kg)	Volume (dm ³)	Cat. No.	Pack
120 x 110 x 95	0.9	2.1	0960 31	1
170 x 110 x 95	1.2	2.7	0960 32	1
230 x 110 x 95	1.4	3.2	0960 33	1

Undrilled 316 L stainless steel

- Supplied undrilled, without Din rail or back plate and equipped with an M6 earth stud.
- Optional drilling on side panels
- Equipped with 2 welded studs at the back of the box for fixing a plate or Din rail.
- Important: Do not exceed the permissible number of terminals, dissipated power and maximum number of cable glands per face

Catalogue numbers

Ext. dimensions mm Ht/Width/Depth	Weight (Kg)	Volume (dm ³)	Cat. No.	Pack
120 x 120 x 95	1	1.37	0970 00	1
120 x 180 x 95	1.5	2	0970 01	1
180 x 180 x 95	1.8	3	0970 02	1

Accessories

	Cat. No.	Pack
Set of 10 Din rails of 100 mm for box 0970 00	0972 46	1
Set of 10 Din rails of 160 mm for boxes 0970 01/02	0972 47	1

- Other boxes, stainless steel enclosures, accessories for fixing at the back of the box for 316 L stainless steel enclosure (see page 164)
- Cable glands (see pages 252/254/257/258/ and 259)

Part number in bold : fast moving references

Zone 1 & 2 - 21 & 22	ATEX	IEC	EC	II 2 G/D
EEx e II	T6/T5	T=55° ou 85° ou 110°C	IP 66	IK 10

TECHNICAL DATA

Zones : 1 and 2 and 21 - 22

- According to CENELEC :
 - Conforming to ATEX Directive 94/9 EC and standards EN 50014-19
 - EC 0081 Ex II 2 G for gas EEx e II T6 or T5 depending on the device
 - EC 0081 Ex II 2 D T = + 55°C (0961 14/15/16/31/32/33)
 - T = + 85°C (0960 19)
 - T = + 110°C (0970 00/01/02)
- } For dust

• According to IEC :

- Conforming to standards IEC 60049-0/7 Ex e II T6
- DIPA 21 TA = + 55°C (0960 14/15/16/31/32/33)
- DIPA 21 TA = + 85°C (0960 19)
- DIPA 21 TA = + 110°C (0970 00/01/02)

Certification :

Cat. Nos.	Type	CENELEC	IEC	EC declaration of conformity
0960 14/15 16/31/32/33	PCe	00 ATEX 6047	Ex 00.017	50221
0960 19	CAe	02 ATEX 6248X	Ex 02.032X	50235
0970 00/01/02	JBe	02 ATEX 6118X	Ex 02.010X	50232

- Conforming to standards EN 50281-1-1 and IEC 61241-1-1

"combustible dust"

Protection index :

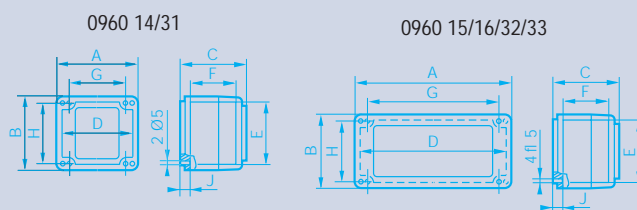
- IP66 according to EN 60529 and IEC 60529
- IK10 mechanical resistance according to EN 50102

Anticorrosion treatment and climate protection : see page G50

Operating temperature :

- 55°C to + 60°C (0960 14/15/16/31/32/33) ; - 40°C to + 55°C (0960 19) ;
- 40°C to + 70°C (0970 00/01/02)

Dimensions (mm) :



Dimensions : 0970 00 - 0971 01 - 0972 02

Cat. Nos.	External dimensions			Internal dimensions			Fixing center			Rail	No. of rails
	A	B	C	D	E	F	G	H	J		
0960 14/31	120	110	95	110	100	70	84	94	15	62	1
0960 15/32	170	110	95	160	100	70	134	94	15	112	1
0960 16/33	230	110	95	220	100	70	194	94	15	172	1

Drilling detail (number and position on polyester and aluminium enclosures)

Drill holes	0960 14/31				0960 15/32				0960 16/33				0960 19			
	A	B	C	D	A	B	C	D	A	B	C	D	A	B	C	D
M 20	1	1	2	1	-	1	2	1	-	2	3	2	-	3	8	3
M 25	-	-	-	-	-	1	-	-	-	1	-	-	-	1	-	-
No. of 6 mm terminals*	7				15				23				62			
No. of 8 mm terminals*	5				11				17				46			

* Not supplied