TECHNICAL DATA

Zones :

•1 and 2 and 21 - 22

Classification :

• 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
- EC 0081 ⟨Ex⟩ II 2 D T = + 55°C PCe
  T = + 85°C CAe
  } pour poussières

• According to IEC:

- Conforming standards IEC 60079-0/7 Ex e II T6
- DIPA 21 TA = + 55°C PCe
- DIPA 21 TA = + 85°C CAe

Certification :

LCIE no.			Certified	EC declaration
Cat. Nos.	CENELEC	IEC	type	of conformity
0959 50/51/52/60/61/62	00 ATEX 6047	Ex 00.017	PCe	50221
0959 53/54/55/56/57 63/64/65/66	02 ATEX 6248X	Ex 02.032X	CAe	50235

- 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

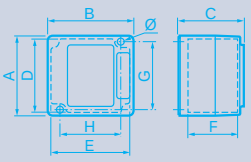
Operating temperature :

- 55°C to + 60°C (PCe)
- 40°C to + 55°C (CAe)

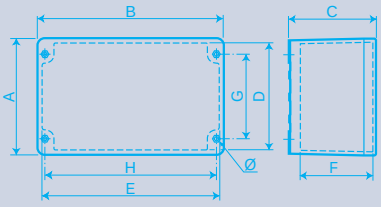
Anticorrosion treatment and climate protection : see page G50

Dimensions (mm) :

0959 50/60



0959 51 to 57 and 0959 61 to 66

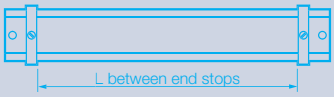


Cat. No.	Dimensions (mm) External A	B	C	Internal D	E	F	Fixings G	H	th. pattes	Ø
0959 50	110	120	95	100	110	70	94	84	20	5
0959 51	110	170	95	100	160	70	94	134	20	5
0959 52	110	230	95	100	220	70	94	194	20	5
0959 53	200	215	150	185	200	125	146	189	6	5
0959 54	200	320	150	185	305	125	146	294	6	5
0959 55	200	425	150	185	410	125	146	399	6	5
0959 56	200	575	150	185	560	125	146	548	6	5
0959 57	405	305	200	392	290	190	366	326		8,2
0959 60	110	110	95	100	100	70	94	84	20	5
095961	110	170	95	100	160	70	94	134	20	5
0959 62	110	230	95	100	220	70	94	194	20	5
0959 63	205	215	130	190	200	105	146	186	10	6,5
0959 64	205	320	130	190	305	105	146	290	10	6,5
0959 65	205	425	130	190	410	105	146	398	10	6,5
0959 66	480	380	190	378	279	132	404	305	13	7

Zones 1 & 2 - 21 & 22	ATEX	IEC	EC	II 2 G/D
EEx e II	T6	T=55 or 85°C	IP66	IK10

How to select a box

1. Technical characteristics of terminals used (see page 160)
2. Permissible number of terminals and maximum authorised dissipated power



DIN rail

Cat. No.	L mm	Permissible number of rails	Permissible no. of terminals with the same pitch per rail Nominal cross-section (mm^2) and pitch (mm) 2.5 5	4 6	6 8	10 10	25 12	35 15	70 22	Earth bar	Max. dissipated power (W)
0959 50	62	1	12	10	7	-	-	-	-	-	**6**
0959 51	112	1	22	18	14(1)	5(2)	4(2)	-	-	-	**11**
0959 52	172	1	34	28	21(1)	5(2)	4(2)	-	-	-	**16**
0959 53	147	2	29	24	18	14	12	9	6	1	**17**
0959 54	255	2	51	42	31	25	21	17	11	1	**22**
0959 55	360	2	72	60	45	36	30	24	16	1	**29**
0959 56	510	2	102	85	63	51	42	34	23	1	**36**
0959 57	195	3	39	32	24	19	16	13	8	1	**55**
0959 60	62	1	12	10	7	-	-	-	-	-	**6**
0959 61	112	1	22	18	14(1)	5(2)	4(2)	-	-	-	**11**
0959 62	172	1	34	28	21(1)	5(2)	4(2)	-	-	-	**16**
0959 63	147	2	29	24	18	14	12	9	6	1	**17**
0959 64	255	2	51	42	31	25	21	17	11	1	**22**
0959 65	360	2	72	60	45	36	30	24	16	1	**29**
0959 66	330	2	66	55	42	33	27	22	15	1	**36**

(1) Number of terminals limited to 10 for connection in 10^2

(2) On vertical rail only

Note: • Terminals with a pitch of 6 and 8 can be equipped with screening strips

• Possibility of two earth bars with a single DIN rail

Data sheet available on request