

EX - T E R M I N A L B O X E S

Light metal design, explosion-proof for Zone 1, 2, 21 and 22

Series C30 and C31 explosion-protected terminal boxes made of light metal are used to distribute and conduct electricity in areas of Zone 1, 2, 21 and 22 at no risk of explosion. Optionally, they are equipped with an assembly plate with pillar terminals or with terminals on an assembly plate with a terminal strip for individual equipment.

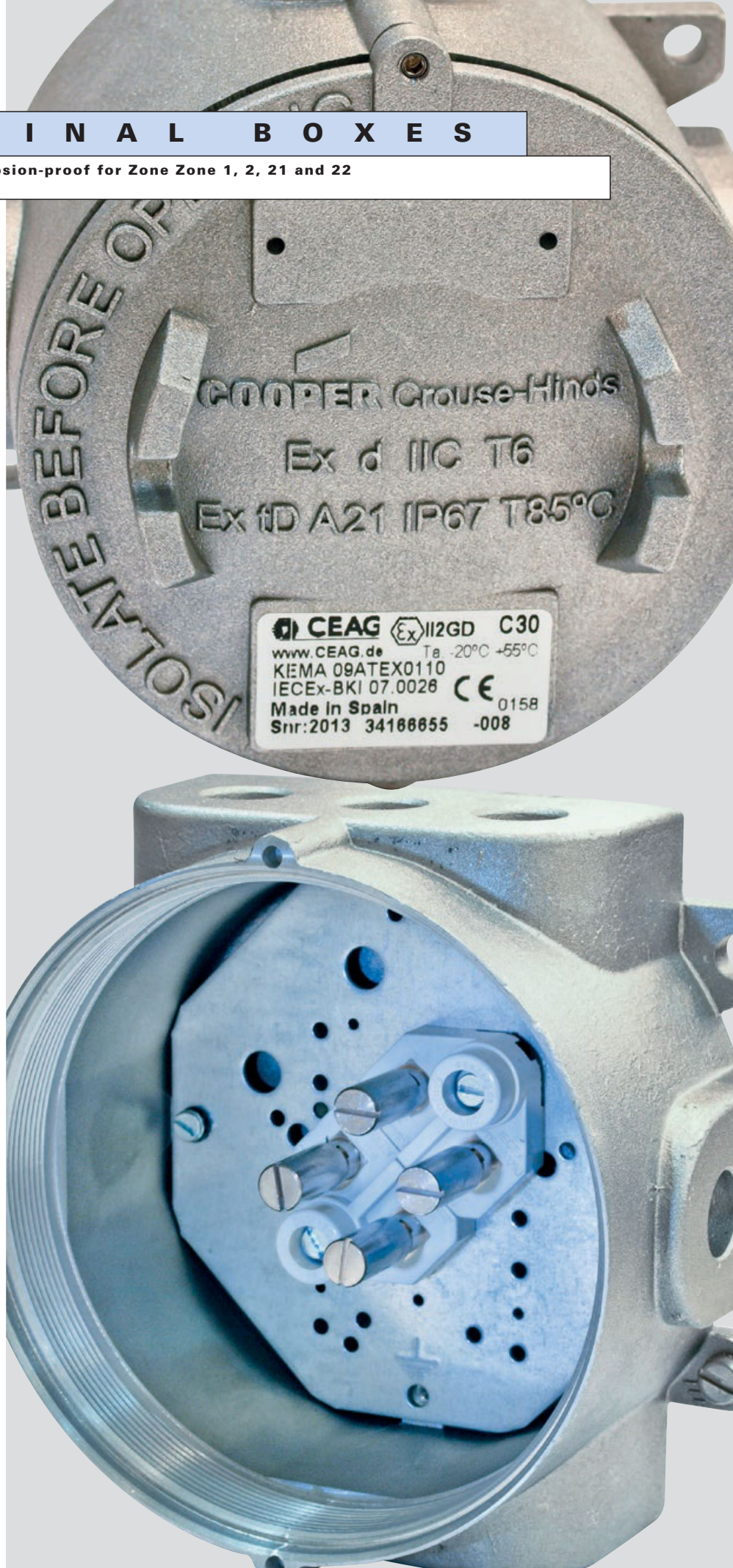
The connection cross-section can vary by up to 6 mm² or up to 10 mm².

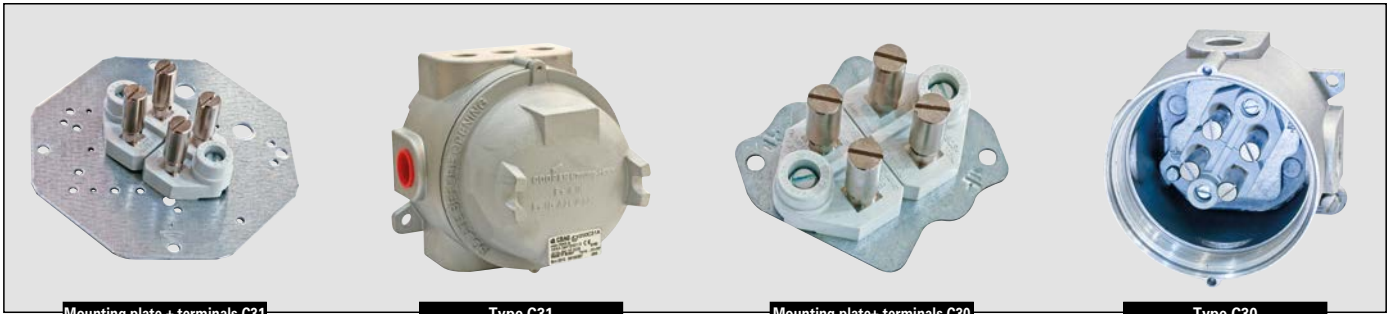
A high "IP degree of protection" allows universal use in areas at risk of explosion.

Optionally, the cables can be introduced into the terminal boxes via conduits or explosion-proof screw connections. Drilled holes through which no cables are conducted should be closed with certified threaded stoppers.

The light metal terminal boxes have an outside earthing connection.

- High mechanical, chemical and thermal resistance
- High degree of protection IP67





Mounting plate + terminals C31

Type C31

Mounting plate + terminals C30

Type C30

2

Technical data

Type C30 | Type C31

Marking accd. to 94/9/EC	⊕ II 2 G Ex d IIC T6 / ⊕ II 2 D Ex tD A21 IP67 T85 °C
EC-Type Examination Certificate	KEMA 09 ATEX 0110X
IECEX Certificate of Conformity	IECEX BK1 07.0026
Marking accd. to IECEx	Ex d IIC T6 Ex tD A21 IP67 T85 °C
Permissible ambient temperature	-20 °C to +55 °C
Rated voltage	690 V
Rated current (max.)	C30: 40 A / C31: 61 A
Protection class	I
Degree of protection accd. to EN 60529	IP67
Enclosure material	light alloy
Enclosure colour	natural finish

Type C30

Connecting terminals	up to 6 mm ²
Weight	approx. 0.8 kg (empty)
Max. number of drillings/cable glands	4
Terminal mounting space on the terminal rail	45 mm

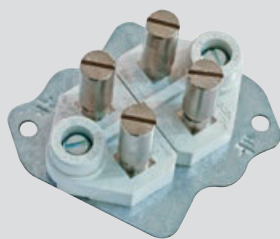
Type C31

Connecting terminals	up to 10 mm ²
Weight	approx. 1.3 kg (empty)
Max. number of drillings/cable glands	8
Terminal mounting space on the terminal rail	82 mm

Ex-d terminal box



Type C30



Mounting plate + terminals C30



Type C31



Mounting plate + terminals C31

Ordering details

Type	Thread for cable entries	Weight	Order No.
Type C30			
C30 T1-M	3 x M20	0.8 kg	NOR 000 001 151 581
C30 X1-M	4 x M20	0.8 kg	NOR 000 001 151 506
C30 T3-M	3 x M25	0.8 kg	NOR 000 001 151 599
C30 X2-M	4 x M25	0.8 kg	NOR 000 001 151 514
C30 T1	3 x 1/2"	0.8 kg	NOR 000 001 151 181
C30 T2	3 x 3/4"	0.8 kg	NOR 000 001 151 199
C30 X1	4 x 1/2"	0.8 kg	NOR 000 001 151 206
C30 X2	4 x 3/4"	0.8 kg	NOR 000 001 151 214

Type C31			
C31 T1-M	3 x M20	1.30 kg	NOR 000 111 150 501
C31 T2-M	3 x M25	1.30 kg	NOR 000 111 150 502
C31 X1-M	4 x M20	1.30 kg	NOR 000 111 150 504
C31 X2-M	4 x M25	1.30 kg	NOR 000 111 150 505
C31 T1	3 x 1/2"	1.30 kg	NOR 000 111 150 001
C31 T2	3 x 3/4"	1.30 kg	NOR 000 111 150 002
C31 T3	3 x 1"	1.30 kg	NOR 000 111 150 003
C31 X1	4 x 1/2"	1.30 kg	NOR 000 111 150 004
C31 X2	4 x 3/4"	1.30 kg	NOR 000 111 150 005
C31 X3	4 x 1"	1.30 kg	NOR 000 111 150 006
C31A T2	3 x 3/4"	1.30 kg	NOR 000 111 150 013
C31A X1	4 x 1/2"	1.30 kg	NOR 000 111 150 011

Accessories

Build-in components type C30

Type	Version	No. of terminals	Order No.
BC 30	Mounting plate with pillar terminals 4 x 4 mm ²	4 x Ex-e ²⁾	NOR 000 001 151 222
PBPD 30	Terminal rail DIN 46877	Mounting rail	NOR 000 000 115 314
PC 30	Mounting plate without terminals	-	NOR 000 000 115 302

Mounting bracket for housing fixing type C30

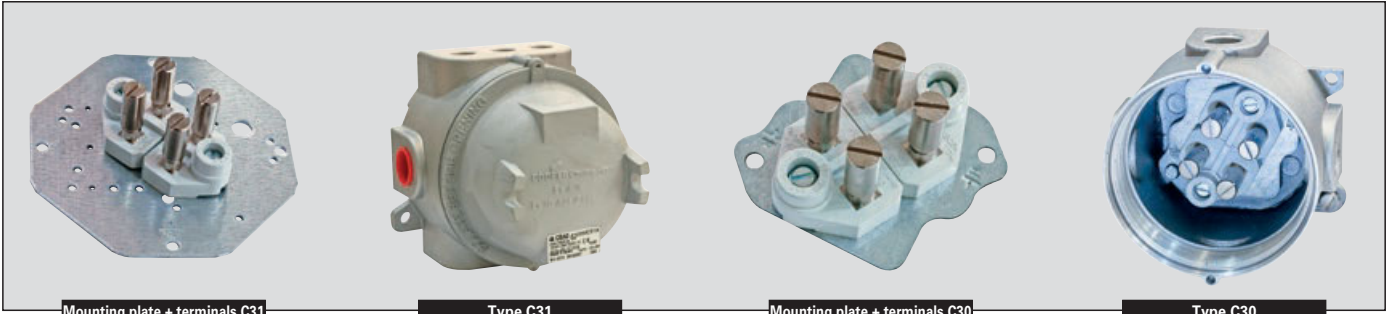
Type	Order No.
SUSC 30	NOR 000 000 115 311

Build-in components type C31

Type	Version	No. of terminals	Order No.
BC31	Mounting plate with pillar terminals	4 x 4 mm ² ²⁾	NOR 000 111 150 009
P C31	Mounting plate without terminals	-	NOR 000 000 115 306
PBPD 31	Terminal rail DIN 46877	-	NOR 000 000 115 315

¹⁾ Other threads on request

²⁾ 4 x 4 mm² multi-wire or 2 x 6 mm² solid-wire



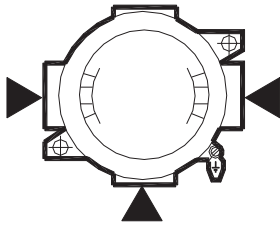
Mounting plate + terminals C31

Type C31

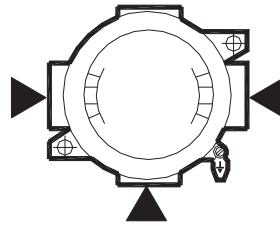
Mounting plate + terminals C30

Type C30

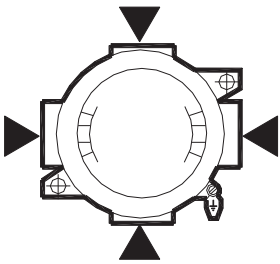
Dimension drawing



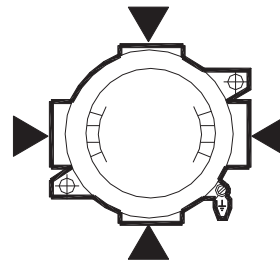
Type C30 T



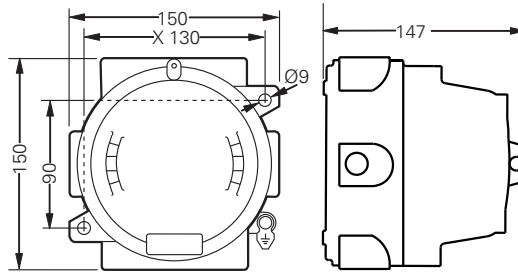
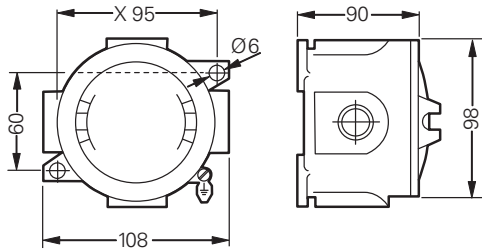
Type C31 T



Type C30 X



Type C31 X



X = fixing dimensions, ▲ = Thread