DOMOS

IP33 Flush-fit mechanism and junction boxes (Brick walls)

The DOMOS series is a set of flush-fit junction boxes for indoor installations in the tertiary and residential sector.

These boxes consist of a base and a blanking cover, and the three smallest sizes are manufactured in two versions, a version with a cover closed using screws and a version with a cover closed by means of plastic claws.

This family is complemented with the 60 and 70 mm flush-fit mechanisms boxes.

IP 33

DOMOS Technical Specifications

- **Degree of protection:** IP33*.
- **Resistance to impact:** IK07*.
- **Glow wire resistance:** 650 °C.
- **Ball pressure test:** 70 °C.
- **Ambient temperature range:** -5 °C / +40 °C.
- **Maximum operating voltage:** 1000 V AC/1500 V DC.
- **Double insulation:** Class II*.

* Except reference D88.

DOMOS Certifications

Compliant with the Low Voltage Directive 2014/35/EU.
Standards: UNE-EN 60670-1-22.

Flush-fit junction boxes for indoor installations in the tertiary and residential sector

DOMOS

Mechanism and junction boxes - Brick walls

Product series

- Enclosure for 60-mm mechanisms (Ref. D88).
- Ten junction box models consisting of base and blanking cover. With possibility of metal screw and plastic claw (depending on models). Brick walls.
- Ref. CT536/PH for hollow walls.

Material

- Halogen-free plastic materials.
- Mechanisms:
  D88: Black PS.
- Junction boxes:
  Base: Black PS.
  Cover: PS RAL 9003 white.
  D70-D100: Self-extinguishing PVC RAL 9003 white.
  CT536/PH base: Grey high impact V0 PS.

Supply

- The boxes are supplied individually, shrink-wrapped and in multiple cardboard packaging, according to minimum packaging units.
- The D88 boxes are supplied on pallets. Minimum amount of 7680 pieces per order. Their storage system permits 20% space saving.

Easy-to-remove knock-outs for the entry of 25, 32 and 40-mm trunking and pipes

NEW

IP33 Flush-fit junction boxes with metal screw. Hollow walls

Reference No.	External dimensions	Dimensions of the flush-fit gap	Weight	Power dissipation according to temperature increase °C P(W)*				
	HEIGHT X WIDTH X DEPTH		KG	20	25	30	35	40
CT536/PH	320x520x78	305x520x72	2.29	19.7	24.6	29.5	34.4	39.3

/PH: Reference for hollow walls. Glow wire resistance in base: 850 °C.

Base: Grey V0 PS. Cover: RAL 9003 white PS. With metal screw.

Halogen-free plastic materials.

IP33 - Flush fit.

* Calculations obtained according to the CEI 890:1997 standard (including Corrigendum 1998). Method of temperature-rise assessment by extrapolation for partially type-tested assemblies (PTTA) of low-voltage switchgear and control gear.

ORO Accessories

Hollow walls	Ref.
Accessories bag for fitting (4 units)	**22100**
Accessories bag for joining (2 units)	**22101**

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Reference D88

- These are square boxes with a 60-mm diameter circle on the inside to comply with the distance between standard screws for the different electric mechanisms.
- The boxes have a depth of 42 mm, which is a major advantage, particularly for the connection of Schuko-type sockets that take up the whole box area.
- There are folds on the sides that give the box greater rigidity against the forces created during flush-fitting.
- 20 or 25-mm pipes can be inserted.
- Supplied in blocks of four units, which may be fitted either joined together or individually. Once they have been separated, they can be connected again by the ribs on the sides.
- The boxes are supplied with 2.9x16 mm screws already assembled, intended to secure the mechanisms that will be installed on the inside. For mechanisms installed by means of the claw system, the enclosure has small recesses on the sides that secure the mechanisms perfectly.
- They have a protective cover, supplied as an accessory (Ref. 94380) to prevent plaster from getting inside the enclosure during flush-fitting and plastering.

Junction boxes. Base

- The geometry of the junction box flush-fit bases is such that it guarantees perfect installation on the wall, as well as the necessary rigidity to withstand the stress derived from the flush-fitting and interior wiring.
- The bottom and the sides of the boxes have easy-to-remove knock-outs for the entry of 25, 32 and 40-mm diameter trunking (depending on the version). They also have knock-outs for the entry of sloping pipes if the installation so requires.
- These entries are extra thick to prevent the box from breaking when the knock-outs are removed.
- For the CT/D210 – CT220 and CT225 versions: The bases have a wing around the side to make sure that the enclosure is perfectly secure and flush, besides affording it high rigidity to prevent possible deformations.
- The bottom has diagonal and straight recessed overhangs that allow the installer to screw terminals, bars or other accessories to the bottom.
- Ref. /PH specially designed for hollow walls.




Cover

- The cover has a slightly rough (satin) texture that facilitates the adherence of paint used to decorate the walls. This cover is wider than the base in order to cover possible flaws or damage caused by the flush-fitting.
- The covers for these boxes come in two versions, one closed using metal screws and another closed by means of plastic claws.

References D110 – D114 – D210

- They are closed by means of an extra-flat cover with a plastic claw to be able to adapt the cover functionally and aesthetically, concealing any alignment flaws generated during the flush-fitting. The length of the claws is 22 mm and they are tightened as soon as they are inserted, thus permitting good grip.

CT references in all versions:

- They are closed by means of an extra-flat plastic cover with 4x13 plastic threaded screws that are supplied with the enclosure in the accessory bag. The screws are inserted into the base in a rectangular housing so that the cover can be levelled in the event of possible flaws in the base caused by the flush-fitting.

Flush-fit mechanism boxes. Brick walls

Reference No.	Dimensions of the flush-fit gap	Weight	Power dissipation according to temperature increase °C P(W)*					Type
	HEIGHT X WIDTH X DEPTH	KG	20	25	30	35	40	
D88	71x71x43	0.03	0.9	1.1	1.3	1.5	1.7	30DE80

Flush-fit junction boxes with plastic claw. Brick walls

Reference No.	Dimensions of the flush-fit gap	Weight	Power dissipation according to temperature increase °C P(W)*					Type
	HEIGHT X WIDTH X DEPTH	KG	20	25	30	35	40	
D70	Ø73x42	0.05	0.9	1.1	1.3	1.6	1.8	30DE70
D100	Ø103x50	0.09	1.7	2.1	2.5	2.9	3.3	30DE100
D110	108x108x50	0.09	2.2	2.7	3.2	3.8	4.3	30DE110
D114	108x168x50	0.14	3.3	4.1	4.9	5.7	6.5	30DE114
D210	148x218x57	0.20	4.6	5.8	6.9	8.1	9.2	30DE210

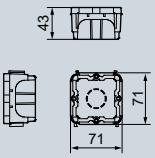
HALOGEN-FREE PLASTIC MATERIALS

Base in black PS and cover in RAL 9003 white PS / D70-D100: Base and cover in self-extinguishing RAL 9003 white PVC.

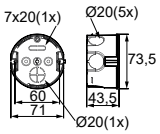
IP33 (Except D88) - Flush-fit.

* Calculations obtained according to the CEI 890:1997 standard (including Corrigendum 1998). Method of temperature-rise assessment by extrapolation for partially type-tested assemblies (PTTA) of low-voltage switchgear and control gear.

D88



D70



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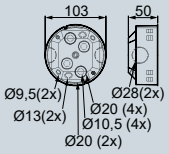
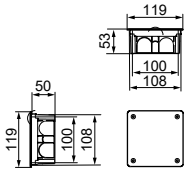
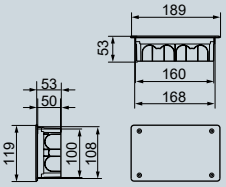


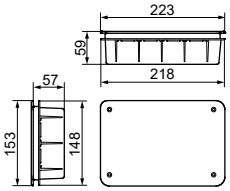
D110/CT110



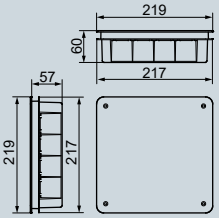
D114/CT114



D210/CT210



CT220



IP 33 CE

IP33 Flush-fit junction boxes with metal screw. Brick walls

Reference No.	Dimensions of the flush-fit gap	Weight	Power dissipation according to temperature increase °C P(W)*					Type
	HEIGHT X WIDTH X DEPTH	KG	20	25	30	35	40	
CT110	108x108x50	0.09	2.2	2.7	3.2	3.8	4.3	30DE110
CT114	108x168x50	0.14	3.3	4.1	4.9	5.7	6.5	30DE114
CT210	148x218x57	0.20	4.6	5.8	6.9	8.1	9.2	30DE210
CT220	217x217x57	0.36	6.3	7.8	9.4	11.0	12.5	30DE220
CT225	268x268x66	0.48	9.5	11.9	14.3	16.7	19.1	30DE225
CT326	223x318x60	0.60	8.9	11.1	13.4	15.6	17.8	ICT RTR RT-VTLCA
CT338	404x404x120	1.76	21.9	27.4	32.9	38.3	43.8	ICT RP3838
CT536	326x518x60	2.29	19.7	24.6	29.5	34.4	39.3	ICT RTR INT

HALOGEN-FREE PLASTIC MATERIALS

Base: Black PS.

Cover: RAL 9003 white PS.

IP33 - Flush fit.

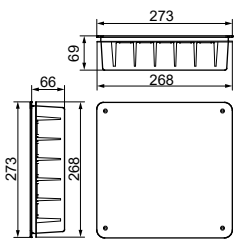
* Calculations obtained according to the CEI 890:1997 standard (including Corrigendum 1998). Method of temperature-rise assessment by extrapolation for partially type-tested assemblies (PTTA) of low-voltage switchgear and control gear.

DOMOS Accessories

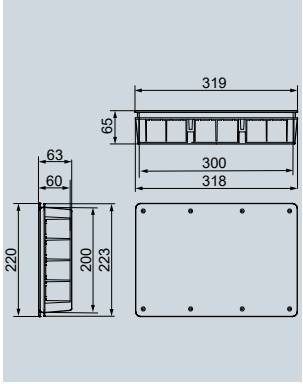
	Ref.
Cover for D88	**94380**
Cover for D70	**45925**
Cover for D100	**45926**
Cover for CT110 (screws)	**74480**
Cover for D110 (clips)	**74485**
Cover for CT114 (screws)	**74450**
Cover for D114 (clips)	**74455**
Cover for CT210 (screws)	**74510**
Cover for D210 (clips)	**74512**

	Ref.
Cover for CT220 (screws)	**74490**
Cover for CT225 (screws)	**74515**
Cover for CT326 (screws)	**74460**
Cover for CT338 (screws)	**74500**
Cover for CT536 (screws)	**74470**
4x13 screws for covers	**92611**

CT225



CT326



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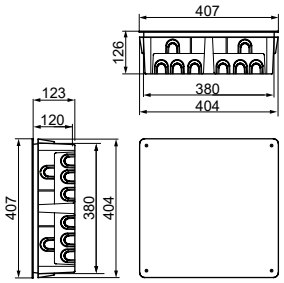
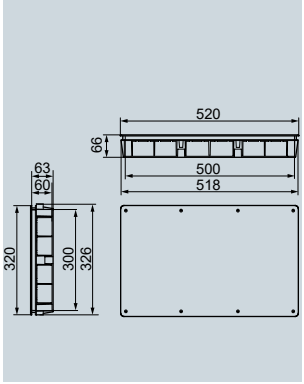


CT536



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