

# Ensto Cubo D enclosures IP66 and 67

Sizes 53 x 55 x 36 to 230 x 300 x 111 mm



## Ensto Cubo D enclosure in brief:

- Available with plain sides
- Contemporary design with faceted corners and cover plugs
- Includes fastening pods inside the cover
- Slots in the base for printed circuit boards

## Contents of the product package:

- Enclosure base
- Cover
- Cover screws
- Mounting screws
- Cover plugs for cover screws

## Further information

- Service offering, page 12–13
- Common enclosure accessories, page 42–46
- Product cards, dimensional drawings and 3D models can be found at [ensto.com](http://ensto.com).



Ensto Cubo D enclosures include fastening pods inside the cover.

This enclosure is equipped with hinges (DSH11) and fastening lugs (DFL1).

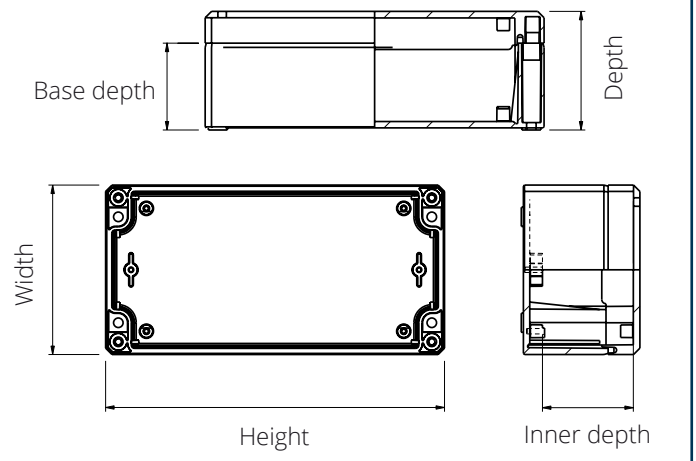
| Conformity                    |   |
|-------------------------------|---|
| PC enclosures:                | CE <small>ROHS</small> FI UL <small>eUL</small> GL PC           |
| ABS enclosures:               | CE <small>ROHS</small> FI PC                                    |
| Technical information         |   |
| Degree of protection:         | IP66 and IP67   |
| Impact resistance:            | PC: IK08 (-25 °C... +35 °C)<br>ABS: IK07 (+35 °C)/IK06 (-25 °C) |
| Operating temperature:        | PC: -40 °C ... +80 °C<br>ABS: -20 °C ... +60 °C                 |
| Short term temperature range: | PC: -40 °C... +120 °C<br>ABS: -20 °C ... +120 °C                |
| Flammability rating:          | PC: UL 746C 5 inch flame<br>ABS: UL 94 HB                       |
| UL File no:                   | E189312   |
| UL category:                  | NITW, NITW7   |
| Environmental type (UL):      | 4, 4X, 12, 13, 6  |
| Outdoor suitability:          | PC: UL 746C f1 rated material                                   |
| Insulation:                   | Class II  |
| Material                      |   |
| Base/cover:                   | Polycarbonate or ABS  |
| Cover screws:                 | Stainless steel   |
| Gasket:                       | PUR (polyurethane)  |
| Enclosure side types          |   |
| PC and ABS enclosures:        | Plain sides   |
| Standard color                |   |
| Base:                         | Grey RAL 7035   |
| Cover:                        | Grey RAL 7035 or transparent                                    |



Ensto Cubo D enclosures have a modern design with faceted corners and cover plugs.

## Dimensions

You can find the following dimensions on the product tables. More information, product cards, dimensional drawings and 3D models can be found at [ensto.com](http://ensto.com).



## Ensto Cubo D enclosures with plain sides

| Width (mm) | Height (mm) | Depth (mm) | Base depth (mm) | Inner depth (mm) | Polycarbonate grey cover (Product code, GTIN-13) | Polycarbonate transparent cover (Product code, GTIN-13) | ABS grey cover (Product code, GTIN-13) | ABS transparent cover (Product code, GTIN-13) | UL -listed polycarbonate grey cover (Product code, GTIN-13) | UL -listed Polycarbonate transparent cover (Product code, GTIN-13) |
|------------|-------------|------------|-----------------|------------------|--|---|--|---|---|--|
| 53         | 55          | 36         | 26              | 27.5             | DPCP050504G<br>6418677150005                     | DPCP050504T<br>6418677150012                            | DABP050504G<br>6418677150029           | DABP050504T<br>6418677150036                  | DPCP050504G.U<br>6438100116538                              | DPCP050504T.U<br>6438100116705                                     |
|            | 63          | 36         | 26              | 25.0             | DPCP050704G<br>6418677150043                     | DPCP050704T<br>6418677150050                            | DABP050704G<br>6418677150067           | DABP050704T<br>6418677150074                  | DPCP050704G.U<br>6438100116545                              | DPCP050704T.U<br>6438100116712                                     |
| 80         | 82          | 56         | 41              | 42.0             | DPCP080806G<br>6418677150081                     | DPCP080806T<br>6418677150098                            | DABP080806G<br>6418677150104           | DABP080806T<br>6418677150111                  | DPCP080806G.U<br>6438100116552                              | DPCP080806T.U<br>6438100116729                                     |
|            |             | 86         | 71              | 72.0             | DPCP080809G<br>6418677150128                     | DPCP080809T<br>6418677150135                            | DABP080809G<br>6418677150142           | DABP080809T<br>6418677150159                  | DPCP080809G.U<br>6438100116569                              | DPCP080809T.U<br>6438100116736                                     |
|            | 120         | 56         | 41              | 42.0             | DPCP081206G<br>6418677150166                     | DPCP081206T<br>6418677150173                            | DABP081206G<br>6418677150180           | DABP081206T<br>6418677150197                  | DPCP081206G.U<br>6438100116576                              | DPCP081206T.U<br>6438100116743                                     |
|            |             | 86         | 71              | 72.0             | DPCP081209G<br>6418677150203                     | DPCP081209T<br>6418677150210                            | DABP081209G<br>6418677150227           | DABP081209T<br>6418677150234                  | DPCP081209G.U<br>6438100116583                              | DPCP081209T.U<br>6438100116750                                     |
|            | 160         | 56         | 41              | 42.0             | DPCP081606G<br>6418677150241                     | DPCP081606T<br>6418677150258                            | DABP081606G<br>6418677150265           | DABP081606T<br>6418677150272                  | DPCP081606G.U<br>6438100116590                              | DPCP081606T.U<br>6438100116767                                     |
|            |             | 86         | 71              | 72.0             | DPCP081609G<br>6418677150289                     | DPCP081609T<br>6418677150296                            | DABP081609G<br>6418677150302           | DABP081609T<br>6418677150319                  | DPCP081609G.U<br>6438100116606                              | DPCP081609T.U<br>6438100116774                                     |
| 120        | 122         | 56         | 41              | 42.0             | DPCP121206G<br>6418677150326                     | DPCP121206T<br>6418677150333                            | DABP121206G<br>6418677150340           | DABP121206T<br>6418677150357                  | DPCP121206G.U<br>6438100116613                              | DPCP121206T.U<br>6438100116781                                     |
|            |             | 86         | 71              | 72.0             | DPCP121209G<br>6418677150364                     | DPCP121209T<br>6418677150371                            | DABP121209G<br>6418677150388           | DABP121209T<br>6418677150395                  | DPCP121209G.U<br>6438100116620                              | DPCP121209T.U<br>6438100116798                                     |
|            | 160         | 91         | 61              | 77.5             | DPCP121609G<br>6418677150401                     | DPCP121609T<br>6418677150418                            | DABP121609G<br>6418677150425           | DABP121609T<br>6418677150432                  | DPCP121609G.U<br>6438100116637                              | DPCP121609T.U<br>6438100116804                                     |
|            |             | 200        | 86              | 71               | 72.0   | DPCP122009G<br>6418677150487                            | DPCP122009T<br>6418677150494           | DABP122009G<br>6418677150500                  | DABP122009T<br>6418677150517                                | DPCP122009G.U<br>6438100116644                                     |
| 150        | 200         | 76         | 61              | 62.0             | DPCP152008G<br>6418677150562                     | DPCP152008T<br>6418677150579                            | DABP152008G<br>6418677150586           | DABP152008T<br>6418677150593                  | DPCP152008G.U<br>6438100116651                              | DPCP152008T.U<br>6438100116828                                     |
| 160        | 240         | 91         | 76              | 77.5             | DPCP162409G<br>6418677150609                     | DPCP162409T<br>6418677150616                            | DABP162409G<br>6418677150623           | DABP162409T<br>6418677150630                  | DPCP162409G.U<br>6438100116668                              | DPCP162409T.U<br>6438100116835                                     |
|            |             | 121        | 76              | 107.5            | DPCP162412G<br>6418677150647                     | DPCP162412T<br>6418677150654                            | DABP162412G<br>6418677150661           | DABP162412T<br>6418677150678                  | DPCP162412G.U<br>6438100116675                              | DPCP162412T.U<br>6438100116842                                     |
| 230        | 300         | 86         | 56              | 72.5             | DPCP233009G<br>6418677150722                     | DPCP233009T<br>6418677150739                            | DABP233009G<br>6418677150746           | DABP233009T<br>6418677150753                  | DPCP233009G.U<br>6438100116682                              | DPCP233009T.U<br>6438100116859                                     |
|            |             | 111        | 56              | 97.5             | DPCP233011G<br>6418677150760                     | DPCP233011T<br>6418677150777                            | DABP233011G<br>6418677150784           | DABP233011T<br>6418677150791                  | DPCP233011G.U<br>6438100116699                              | DPCP233011T.U<br>6438100116866                                     |

## Mounting plates and DIN rails

| Product code  | Description                                 | Dimensions (mm) | Package size (pcs) | GTIN-13       |
|---|---|-----------------|--------------------|---------------|
| <b>Mounting plates, galvanized steel</b>              |   |                 |                    |               |
| DMP0808   | For 80 x 82 mm enclosures                   | 55 x 65 x 1.5   | 10                 | 6418677150821 |
| DMP0812   | For 80 x 120 mm enclosures                  | 65 x 93 x 1.5   | 10                 | 6418677150838 |
| DMP0816   | For 80 x 160 mm enclosures                  | 65 x 133 x 1.5  | 10                 | 6418677150845 |
| DMP1212   | For 120 x 122 mm enclosures                 | 95 x 105 x 1.5  | 10                 | 6418677150852 |
| DMP1216   | For 120 x 160 mm enclosures                 | 105 x 132 x 1.5 | 10                 | 6418677150869 |
| DMP1220   | For 120 x 200 mm enclosures                 | 105 x 172 x 1.5 | 10                 | 6418677150876 |
| DMP1520   | For 150 x 200 mm enclosures                 | 133 x 172 x 1.5 | 10                 | 6418677150890 |
| DMP1624   | For 160 x 240 mm enclosures                 | 145 x 213 x 1.5 | 10                 | 6418677150906 |
| DMP2330   | For 230 x 300 mm enclosures                 | 210 x 285 x 1.5 | 10                 | 6418677150920 |
| <b>DIN rails 15 mm, DIN 46277/3, galvanized steel</b> |   |                 |                    |               |
| DR15016.4   | For 53 x 55 mm enclosures                   | 15 x 26         | 10                 | 6418677150937 |
| DR15038.4   | For 53 x 63 mm enclosures                   | 15 x 48         | 10                 | 6418677150944 |
| DR15058.4   | For 80 x 82 mm enclosures                   | 15 x 68         | 10                 | 6418677150951 |
| DR15096.4   | For 80 x 120 mm and 120 x 122 mm enclosures | 15 x 106        | 10                 | 6418677150975 |
| DR15136.4   | For 80 x 160 mm and 120 x 160 mm enclosures | 15 x 146        | 10                 | 6418677150999 |
| <b>DIN rails 35 mm, DIN 46277/3, galvanized steel</b> |   |                 |                    |               |
| DR35058.4   | For 80 x 82 mm enclosures                   | 35 x 68         | 10                 | 6418677150968 |
| DR35096.4   | For 80 x 120 mm and 120 x 122 mm enclosures | 35 x 106        | 10                 | 6418677150982 |
| DR35136.4   | For 80 x 160 mm and 120 x 160 mm enclosures | 35 x 146        | 10                 | 6418677151002 |
| DR35160.4   | For 150 x 200 mm enclosures                 | 35 x 170        | 10                 | 6418677151071 |
| DR35176.4   | For 120 x 200 mm enclosures                 | 35 x 186        | 10                 | 6418677151057 |
| DR35215.4   | For 160 x 240 mm enclosures                 | 35 x 225        | 10                 | 6418677151620 |
| DR35275.4   | For 230 x 300 mm enclosures                 | 35 x 285        | 10                 | 6418677151101 |



DMP0808



Hinge pair, DSHI1.

## Other accessories

| Product code | Description  | Dimensions (mm) | Package size (pcs) | GTIN-13       |
|--------------|--|-----------------|--------------------|---------------|
| DSHI1        | Hinge pair   | 28 x 28         | 1                  | 6418677156144 |
| DFL1         | Fastening lug, set of 4  | 33 x 21 x 9.5   | 1                  | 6418677151125 |
| DCP1         | Cover plug   |                 | 50                 | 6418677151149 |
| DLS1         | Cover screw, short   | 3 x 18/10       | 100                | 6418677151163 |
| DLSA1.02     | Screw set, 2 short cover screws DLS1 and 2 mounting screws DMS1 and cover plugs DCP1 | 3 x 18/10       | 1                  | 6438100070113 |
| DLSA1.04     | Screw set, 4 short cover screws DLS1 and 4 mounting screws DMS1 and cover plugs DCP1 | 3 x 18/10       | 1                  | 6418677151293 |
| DLSA1.06     | Screw set, 6 short cover screws DLS1 and 4 mounting screws DMS1 and cover plugs DCP1 | 3 x 50/10       | 1                  | 6418677151309 |
| DLS2         | Cover screw, long, for 162412 and 233011   | 3 x 50/10       | 1                  | 6418677151279 |
| DLSA2.06     | Screw set, 6 long cover screws DLS2 and 4 mounting screws DMS1                       | 3 x 50/10       | 1                  | 6438100087692 |
| DLS3         | Cover screw, TORX TX20   | 3 x 18/10       | 48                 | 6418677151286 |
| DMS1         | Mounting screw   | 3 x 7           | 100                | 6418677151156 |



Fastening lug set, DFL1.