Saves Your Energy

ENSTO

Vishwakarma Enterprises
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Enclosures and terminals

Ensto Cubo and Ensto Clampo

Solutions for industrial use

Ensto at your service

We are a specialist in the field of enclosures and application-specific enclosure solutions. Our standard product range includes thermoplastic, polyester, sheet steel and aluminium enclosures and the related accessories suitable for demanding environments. These are supported by a broad selection of terminals and load break switches used by global, leading manufacturers.

Our service offering includes the customisation of standard enclosures as well as the creation of tailor-made new enclosure solutions based on the customers' product projects. We also offer assembly services as well as the sourcing of third party components.

We are a reliable and flexible partner with experienced personnel. Our strengths include good knowledge of various materials and an innovative design department.

Certificates and standards

We have modern production facilities. Our factories have received the following certificates
- ISO 9001:2008 Quality System Certificate
- ISO 14001:2004 Environmental Management System Certificate.

We are proud of our products, which we develop and test to suit a wide range of applications in which enclosures must endure the most extreme conditions.

Ensto Cubo enclosures are certified in accordance with EN 62208. Most of our polycarbonate enclosures are also UL and cUL listed. Ensto Cubo X enclosures for hazardous areas have ATEX and IECex certificates.

Production quality assesment for equipment and protective systems intended for use in potentially explosive atmospheres, Directive 94/9/EC, VTT 07 ATEX Q 002.

Further information

Please contact us for further information. Our contact information can be found at our web pages **www.ensto.com**. Further information about our enclosures is also available in the more comprehensive Enclosure Catalogue publication.

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Visit out internet pages at www.ensto.com
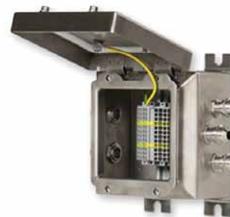
On these pages you will find, for instance:
- Latest product news
- Product cards including
  - Technical product data
  - Technical drawings and 3D models
  - Printable product photos
- Customer references
- Catalogues and leaflets
- Distributor information
- Contact information for our sales personnel.

Customer-specific enclosing solutions

We are experts in providing customer-specific enclosing solutions for demanding environments. Our strategic solutions offering can be divided into customised enclosing solutions based on standard products and totally tailor-made enclosing solutions based on the customer's product projects.

Customised enclosing solutions

- Machining such as cutting, drilling and threading according to customer's drawings
- Silk screen printing
- Colour service
- Mechanical assembly
- Customer-specific sizes
- Offering an online tool for fast configuration and a short lead-time

Tailor-made enclosing solutions

- Feasibility studies
- 3D modelling, prototyping & technical documentation
- Mould sourcing & maintenance
- Manufacturing of customer-specific special tools
- Sub-assembly testing and certification
- Quality documentation and coordination audits

Integration services

- Mechanical assembly
- Electromechanical assembly
- Hardware and software integrations
- Testing including e.g. environmental and functionality testing
- Sourcing of third party components
- Logistics & quality assurance

Customised enclosure solutions

Tailor-made enclosure solutions

Ensto Cubo S enclosures
IP 66/67
Sizes 75 x 125 x 35 to 175 x 250 x 150 mm

Ensto Cubo S enclosure in brief:

- Made of ABS or polycarbonate, transparent cover always polycarbonate
- Standard colour grey RAL 7035, cover also available in transparent
- Available with plain sides or knockouts (metric or Pg)
- Available in 36 sizes, two base depths (25 and 50 mm) and 5 different cover heights
- Cover and cover screws equipped with sealing holes
- Has slots in the base for printed circuit boards
- Available accessories include mounting plates, DIN rails, hinges and fastening lugs.

Enclosure with a low 10 mm cover and a low 25 mm base.

The cover can be sealed with a standard cover screw.

Width (mm)	Height (mm)	Depth (mm)	Inner depth (mm)	Base depth (mm)	Cover depth (mm)	Polycarbonate grey cover metric knockouts (product code, EAN 13 code)	Polycarbonate transparent cover metric knockouts (product code, EAN 13 code)	Polycarbonate grey cover Pg knockouts (product code, EAN 13 code)	Polycarbonate transparent cover Pg knockouts (product code, EAN 13 code)
75	125	60	45.5	50	10	SPCM081306G [1] 6438100101411	SPCM081306T [1] 6438100101428	SPCK081306G [7] 6438100101435	SPCK081306T [7] 6438100101442
		75	60.5	50	25	SPCM081308G [1] 6418677166358	SPCM081308T [1] 6418677166525	SPCK081308G [7] 6418677155000	SPCK081308T [7] 6418677155017
		100	85.5	50	50	SPCM081310G [1] 6418677166365	SPCM081310T [1] 6418677166532	SPCK081310G [7] 6418677155062	SPCK081310T [7] 6418677155079
		125	110.5	50	75	SPCM081313G [1] 6418677166372	SPCM081313T [1] 6418677166549	SPCK081313G [7] 6418677155123	SPCK081313T [7] 6418677155130
						[1] M: 2 x M16/25 + 6 x M12/20		[7] Pg: 2 x Pg9/13.5 + 6 x Pg9/13.5	
100	100	60	45.5	50	10	SPCM101006G [2] 6438100101657	SPCM101006T [2] 6438100101664		
						[2] M: 2 x M16/25 + 4 x M12/20			
125	125	60	45.5	50	10	SPCM131306G [3] 6438100100445	SPCM131306T [3] 6438100100452	SPCK131306G [8] 6438100101794	SPCK131306T [8] 6438100101800
		75	60.5	50	25	SPCM131308G [3] 6418677166389	SPCM131308T [3] 6418677166556	SPCK131308G [8] 6418677155185	SPCK131308T [8] 6418677155192
		100	85.5	50	50	SPCM131310G [3] 6418677166396	SPCM131310T [3] 6418677166563	SPCK131310G [8] 6418677155246	SPCK131310T [8] 6418677155253
		125	110.5	50	75	SPCM131313G [3] 6418677166402	SPCM131313T [3] 6418677166570	SPCK131313G [8] 6418677155307	SPCK131313T [8] 6418677155314
						[3] M: 4 x M16/25 + 6 x M12/20		[8] Pg: 4 x Pg16/21 + 6 x Pg9/13.5	
	175	60	45.5	50	10	SPCM131806G [4] 6438100102012	SPCM131806T [4] 6438100102029	SPCK131806G [9] 6438100102036	SPCK131806T [9] 6438100102043
		75	60.5	50	25	SPCM131808G [4] 6418677166419	SPCM131808T [4] 6418677166587	SPCK131808G [9] 6418677155369	SPCK131808T [9] 6418677155376
		100	85.5	50	50	SPCM131810G [4] 6418677166426	SPCM131810T [4] 6418677166594	SPCK131810G [9] 6418677155420	SPCK131810T [9] 6418677155437
		125	110.5	50	75	SPCM131813G [4] 6418677166433	SPCM131813T [4] 6418677166600	SPCK131813G [9] 6418677155482	SPCK131813T [9] 6418677155499
		150	135.5	50	100	SPCM131815G [4] 6418677166440	SPCM131815T [4] 6418677166617	SPCK131815G [9] 6418677155543	SPCK131815T [9] 6418677155550
						[4] M: 4 x M16/25 + 8 x M12/20		[9] Pg: 4 x Pg16/21 + 8 x Pg9/13.5	
	250	125	110.5	50	75	SPCM132513G [12] 6438100104733	SPCM132513T [12] 6438100104740		
						[12] M: 2 x M20/25			
175	175	75	60.5	50	25	SPCM181808G [5] 6418677166457	SPCM181808T [5] 6418677166624	SPCK181808G [10] 6418677155604	SPCK181808T [10] 6418677155611
		100	85.5	50	50	SPCM181810G [5] 6418677166464	SPCM181810T [5] 6418677166631	SPCK181810G [10] 6418677155666	SPCK181810T [10] 6418677155673
		125	110.5	50	75	SPCM181813G [5] 6418677166471	SPCM181813T [5] 6418677166648	SPCK181813G [10] 6418677155727	SPCK181813T [10] 6418677155734
		150	135.5	50	100	SPCM181815G [5] 6418677166488	SPCM181815T [5] 6418677166655	SPCK181815G [10] 6418677155789	SPCK181815T [10] 6418677155796
						[5] M: 4 x M12/20 + 4 x M16/25 + 10 x M12/20		[10] Pg: 4 x Pg16/21 + 4 x Pg9/16 + 10 x Pg9/13.5	
	250	75	60.5	50	25	SPCM182508G [6] 6418677166495	SPCM182508T [6] 6418677166662	SPCK182508G [11] 6418677155840	SPCK182508T [11] 6418677155857
		100	85.5	50	50	SPCM182510G [6] 6418677166501	SPCM182510T [6] 6418677166679	SPCK182510G [11] 6418677155901	SPCK182510T [11] 6418677155918
		150	135.5	50	100	SPCM182515G [6] 6418677166518	SPCM182515T [6] 6418677166686	SPCK182515G [11] 6418677155963	SPCK182515T [11] 6418677155970
						[6] M: 4 x M12/20 + 4 x M16/25 + 12 x M12/20		[11] Pg: 4 x Pg16/21 + 4 x Pg9/16 + 12 x Pg9/13.5	

Ensto Cubo S enclosures are available in 36 sizes, with two base depths (25 and 50 mm) and 5 different cover heights.

This enclosure is equipped with hinges (DSHI1), cover plugs and wing head parts (SLW1).

Available accessories include eg. mounting plates, hinges and cover screws and plugs.

Width (mm)	Height (mm)	Depth (mm)	Inner depth (mm)	Base depth (mm)	Cover depth (mm)	Polycarbonate grey cover plain sides (product code, EAN 13 Code)	Polycarbonate transparent cover plain sides (product code, EAN 13 code)	ABS grey cover plain sides (product code, EAN 13 code)	ABS transparent cover plain sides (product code, EAN 13 code)
75	125	35	20.5	25	10	SPCP081304LG 6438100101299	SPCP081304LT 6438100101305	SABP081304LG 6438100101312	SABP081304LT 6438100101329
		50	35.5	25	25	SPCP081305LG 6438100101336	SPCP081305LT 6438100101343	SABP081305LG 6438100101350	SABP081305LT 6438100101367
		60	45.5	50	10	SPCP081306G 6438100101374	SPCP081306T 6438100101381	SABP081306G 6438100101398	SABP081306T 6438100101404
		75	60.5	25	50	SPCP081308LG 6438100101459	SPCP081308LT 6438100101466	SABP081308LG 6438100101473	SABP081308LT 6438100101480
		75	60.5	50	25	SPCP081308G 6418677155031	SPCP081308T 6418677155024	SABP081308G 6418677155048	SABP081308T 6418677155055
		100	85.5	25	75	SPCP081310LG 6438100101497	SPCP081310LT 6438100101503	SABP081310LG 6438100101510	SABP081310LT 6438100101527
		100	85.5	50	50	SPCP081310G 6418677155086	SPCP081310T 6418677155093	SABP081310G 6418677155109	SABP081310T 6418677155116
		125	110.5	50	75	SPCP081313G 6418677155147	SPCP081313T 6418677155154	SABP081313G 6418677155161	SABP081313T 6418677155178
100	100	35	20.5	25	10	SPCP101004LG 6438100101534	SPCP101004LT 6438100101541	SABP101004LG 6438100101558	SABP101004LT 6438100101565
		60	45.5	50	10	SPCP101006G 6438100101619	SPCP101006T 6438100101626	SABP101006G 6438100101633	SABP101006T 6438100101640
125	125	35	20.5	25	10	SPCP131304LG 6438100101671	SPCP131304LT 6438100101688	SABP131304LG 6438100101695	SABP131304LT 6438100101701
		50	35.5	25	25	SPCP131305LG 6438100101718	SPCP131305LT 6438100101725	SABP131305LG 6438100101732	SABP131305LT 6438100101749
		60	45.5	50	10	SPCP131306G 6438100101756	SPCP131306T 6438100101763	SABP131306G 6438100101770	SABP131306T 6438100101787
		75	60.5	25	50	SPCP131308LG 6438100101817	SPCP131308LT 6438100101824	SABP131308LG 6438100101831	SABP131308LT 6438100101848
		75	60.5	50	25	SPCP131308G 6418677155208	SPCP131308T 6418677155215	SABP131308G 6418677155222	SABP131308T 6418677155239
		100	85.5	25	75	SPCP131310LG 6438100101855	SPCP131310LT 6438100101862	SABP131310LG 6438100101879	SABP131310LT 6438100101886
		100	85.5	50	50	SPCP131310G 6418677155260	SPCP131310T 6418677155277	SABP131310G 6418677155284	SABP131310T 6418677155291
		125	110.5	50	75	SPCP131313G 6418677155321	SPCP131313T 6418677155338	SABP131313G 6418677155345	SABP131313T 6418677155352
	175	35	20.5	25	10	SPCP131804LG 6438100101893	SPCP131804LT 6438100101909	SABP131804LG 6438100101916	SABP131804LT 6438100101923
		50	35.5	25	25	SPCP131805LG 6438100101930	SPCP131805LT 6438100101947	SABP131805LG 6438100101954	SABP131805LT 6438100101961
		60	45.5	50	10	SPCP131806G 6438100101978	SPCP131806T 6438100101985	SABP131806G 6438100101992	SABP131806T 6438100102005
		75	60.5	25	50	SPCP131808LG 6438100102050	SPCP131808LT 6438100102067	SABP131808LG 6438100102074	SABP131808LT 6438100102081
		75	60.5	50	25	SPCP131808G 6418677155383	SPCP131808T 6418677155390	SABP131808G 6418677155406	SABP131808T 6418677155413
		100	85.5	25	75	SPCP131810LG 6438100102098	SPCP131810LT 6438100102104	SABP131810LG 6438100102111	SABP131810LT 6438100102128
		100	85.5	50	50	SPCP131810G 6418677155444	SPCP131810T 6418677155451	SABP131810G 6418677155468	SABP131810T 6418677155475
		125	110.5	25	100	SPCP131813LG 6438100102135	SPCP131813LT 6438100102142	SABP131813LG 6438100102159	SABP131813LT 6438100102166
		125	110.5	50	75	SPCP131813G 6418677155505	SPCP131813T 6418677155512	SABP131813G 6418677155529	SABP131813T 6418677155536
		150	135.5	50	100	SP CP131815G 6418677155567	SPCP131815T 6418677155574	SABP131815G 6418677155581	SABP131815T 6418677155598
	250	125	110.5	50	75	SPCP132513G 6438100104696	SPCP132513T 6438100104702	SABP132513G 6438100104719	SABP132513T 6438100104726
175	175	75	60.5	50	25	SPCP181808G 6418677155628	SPCP181808T 6418677155635	SABP181808G 6418677155642	SABP181808T 6418677155659
		100	85.5	50	50	SPCP181810G 6418677155680	SPCP181810T 6418677155697	SABP181810G 6418677155703	SABP181810T 6418677155710
		125	110.5	50	75	SPCP181813G 6418677155741	SPCP181813T 6418677155758	SABP181813G 6418677155765	SABP181813T 6418677155772
		150	135.5	50	100	SPCP181815G 6418677155802	SPCP181815T 6418677155819	SABP181815G 6418677155826	SABP181815T 6418677155833
	250	75	60.5	50	25	SPCP182508G 6418677155864	SPCP182508T 6418677155871	SABP182508G 6418677155888	SABP182508T 6418677155895
		100	85.5	50	50	SPCP182510G 6418677155925	SPCP182510T 6418677155932	SABP182510G 6418677155949	SABP182510T 6418677155956
		150	135.5	50	100	SPCP182515G 6418677155987	SPCP182515T 6418677155994	SABP182515G 6418677156007	SABP182515T 6418677156014

Ensto Cubo D enclosures
IP 66/67
Sizes 53 x 55 x 36 to 230 x 300 x 111 mm

Ensto Cubo D enclosure in brief:
- Made of ABS or polycarbonate, transparent cover always polycarbonate
- Standard colour grey RAL 7035, cover also available in transparent
- Available with plain sides
- Has modern design with faceted corners and cover plugs
- Includes fastening pods inside the cover
- Has slots in the base for printed circuit boards
- Available accessories include e.g. mounting plates, DIN rails, hinges and fastening lugs.

This enclosure is equipped with hinges (DSHI1) and fastening lugs (DFL1).

Ensto Cubo D enclosures include fastening pods inside the cover.

The enclosure has unique slots in the base for printed circuit boards.

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

Width (mm)	Height (mm)	Depth (mm)	Inner depth (mm)	Polycarbonate grey cover (Product code, EAN 13 code)	Polycarbonate transparent cover (Product code, EAN 13 code)	ABS grey cover (Product code, EAN 13 code)	ABS transparent cover (Product code, EAN 13 code)
53	55	36	27.5	DPCP050504G 6418677150005	DPCP050504T 6418677150012	DABP050504G 6418677150029	DABP050504T 6418677150036
	63	36	25.0	DPCP050704G 6418677150043	DPCP050704T 6418677150050	DABP050704G 6418677150067	DABP050704T 6418677150074
80	82	56	42.0	DPCP080806G 6418677150081	DPCP080806T 6418677150098	DABP080806G 6418677150104	DABP080806T 6418677150111
		86	72.0	DPCP080809G 6418677150128	DPCP080809T 6418677150135	DABP080809G 6418677150142	DABP080809T 6418677150159
	120	56	42.0	DPCP081206G 6418677150166	DPCP081206T 6418677150173	DABP081206G 6418677150180	DABP081206T 6418677150197
		86	72.0	DPCP081209G 6418677150203	DPCP081209T 6418677150210	DABP081209G 6418677150227	DABP081209T 6418677150234
	160	56	42.0	DPCP081606G 6418677150241	DPCP081606T 6418677150258	DABP081606G 6418677150265	DABP081606T 6418677150272
		86	72.0	DPCP081609G 6418677150289	DPCP081609T 6418677150296	DABP081609G 6418677150302	DABP081609T 6418677150319
120	122	56	42.0	DPCP121206G 6418677150326	DPCP121206T 6418677150333	DABP121206G 6418677150340	DABP121206T 6418677150357
		86	72.0	DPCP121209G 6418677150364	DPCP121209T 6418677150371	DABP121209G 6418677150388	DABP121209T 6418677150395
	160	91	77.5	DPCP121609G 6418677150401	DPCP121609T 6418677150418	DABP121609G 6418677150425	DABP121609T 6418677150432
	200	86	72.0	DPCP122009G 6418677150487	DPCP122009T 6418677150494	DABP122009G 6418677150500	DABP122009T 6418677150517
150	200	76	62.0	DPCP152008G 6418677150562	DPCP152008T 6418677150579	DABP152008G 6418677150586	DABP152008T 6418677150593
160	240	91	77.5	DPCP162409G 6418677150609	DPCP162409T 6418677150616	DABP162409G 6418677150623	DABP162409T 6418677150630
		121	107.5	DPCP162412G 6418677150647	DPCP162412T 6418677150654	DABP162412G 6418677150661	DABP162412T 6418677150678
230	300	86	72.5	DPCP233009G 6418677150722	DPCP233009T 6418677150739	DABP233009G 6418677150746	DABP233009T 6418677150753
		111	97.5	DPCP233011G 6418677150760	DPCP233011T 6418677150777	DABP233011G 6418677150784	DABP233011T 6418677150791

Ensto Cubo O enclosures
IP 66/67
## Sizes 200 x 200 x 132 to 400 x 600 x 187 mm

Ensto Cubo O enclosure in brief:

- Made of ABS or polycarbonate, transparent cover always polycarbonate
- Standard colour grey RAL 7035, cover also available in transparent
- Available with plain sides or with metric knockouts
- A 55 mm deep extension frame available for alternative depths in all sizes. use of several extension frames on top of each other possible.
- Cover and cover screws equipped with sealing holes
- Cover can also be mounted onto the back of the base
- Wide range of accessories available including mounting plates, DIN rails, modular covers, corner elevators and fastening lugs.

Enclosures with metric knock-outs

Width (mm)	Height (mm)	Depth (mm)	Inner depth (mm)	Polycarbonate grey cover metric knockouts (product code,EAN 13 code)	Polycarbonate transparent cover, metric knockouts (product code, EAN 13 code)
300	300	132	115.0	OPCM303013G 6418677157899	OPCM303013T 6418677157929
		187	170.0	OPCM303018G 6418677157950	OPCM303018T 6418677157981
	400	132	115.0	OPCM304013G 6418677157905	OPCM304013T 6418677157936
		187	170.0	OPCM304018G 6418677157967	OPCM304018T 6418677157998
	600	132	115.0	OPCM306013G 6418677157912	OPCM306013T 6418677157943
		187	170.0	OPCM306018G 6418677157974	OPCM306018T 6418677158001
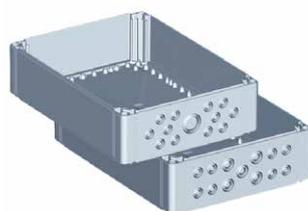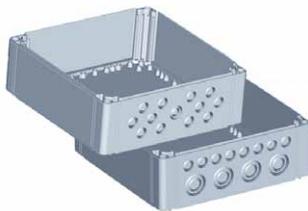
300 x 300 mm enclosures with metric knockouts: up: 12 x M20 + 1 x M16/25 down: 8 x M20 + 4 x M25/40

300 x 400/600 mm enclosures with metric knockouts: up: 12 x M12/20 + 1 x M32/40 down: 8 x M12/20 + 5 x M16/25

Adjustable elevators are available for the base corner slots allowing the mounting of plates and panels at any height.

It is possible to mount the cover onto the back of the base of the Ensto Cubo O enclosure, the back of the base is then used as a front panel.

Enclosures with plain sides

Width (mm)	Height (mm)	Depth (mm)	Inner depth (mm)	Polycarbonate grey cover plain sides (product code, EAN 13 code)	Polycarbonate transparent cover plain sides (product code, EAN 13 code)	ABS grey cover plain sides (product code, EAN 13 code)	ABS transparent cover plain sides (product code, EAN 13 code)
200	200	132	115.0	OPCP202013G 6418677184413	OPCP202013T 6418677184345	OABP202013G 6418677184550	OABP202013T 6418677184482
		187	170.0	OPCP202018G 6418677184628	OPCP202018T 6418677184697	OABP202018G 6418677184765	OABP202018T 6418677184833
	300	132	115.0	OPCP203013G 6418677184420	OPCP203013T 6418677184352	OABP203013G 6418677184567	OABP203013T 6418677184499
		187	170.0	OPCP203018G 6418677184635	OPCP203018T 6418677184703	OABP203018G 6418677184772	OABP203018T 6418677184840
	400	132	115.0	OPCP204013G 6418677184437	OPCP204013T 6418677184369	OABP204013G 6418677184574	OABP204013T 6418677184505
		187	170.0	OPCP204018G 6418677184642	OPCP204018T 6418677184710	OABP204018G 6418677184789	OABP204018T 6418677184857
300	300	132	115.0	OPCP303013G 6418677184444	OPCP303013T 6418677184376	OABP303013G 6418677184581	OABP303013T 6418677184512
		187	170.0	OPCP303018G 6418677184659	OPCP303018T 6418677184727	OABP303018G 6418677184796	OABP303018T 6418677184864
	400	132	115.0	OPCP304013G 6418677184451	OPCP304013T 6418677184383	OABP304013G 6418677184598	OABP304013T 6418677184529
		187	170.0	OPCP304018G 6418677184666	OPCP304018T 6418677184734	OABP304018G 6418677184802	OABP304018T 6418677184871
	600	132	115.0	OPCP306013G 6418677184468	OPCP306013T 6418677184390	OABP306013G 6418677184604	OABP306013T 6418677184536
		187	170.0	OPCP306018G 6418677184673	OPCP306018T 6418677184741	OABP306018G 6418677184819	OABP306018T 6418677184888
400	400	132	115.0	OPCP404013G 6438100112813	OPCP404013T 6438100112790	OABP404013G 6438100112851	OABP404013T 6438100112837
		187	170.0	OPCP404018G 6438100112820	OPCP404018G 6438100112806	OABP404018G 6438100112868	OABP404018T 6438100112844
	600	132	115.0	OPCP406013G 6418677184475	OPCP406013T 6418677184406	OABP406013G 6418677184611	OABP406013T 6418677184543
		187	170.0	OPCP406018G 6418677184680	OPCP406018T 6418677184758	OABP406018G 6418677184826	OABP406018T 6418677184895

Ensto Cubo C enclosures
IP 66/67
Sizes 200 x 200 x 132 to 400 x 600 x 187 mm

Ensto Cubo C enclosure in brief:
- Made of polycarbonate
- Standard colour grey RAL 7035, cover also available in transparent
- Available with flange knockouts
- Available in 7 base sizes, one base depth and one cover height
- A 55 mm deep extension frame available for alternative depths in all sizes. Several extension frames can be used on top of each other in one enclosure.
- Covers and cover screws equipped with sealing holes
- Cover can be mounted onto the back of the base
- Based on the Ensto Cubo O enclosure series
- Wide range of accessories available including mounting plates, DIN rails, modular covers, corner elevators and fastening lugs.

[1] 4 x F1 knockout
[2] 2 x F1 knockout + 2 x F2 knockout
[3] 4 x F2 knockout
[4] 6 x F2 knockout

Width (mm)	Height (mm)	Depth (mm)	Inner depth (mm)	Polycarbonate grey cover flange knockouts (product code, EAN 13 code)	Polycarbonate transparent cover flange knockouts (product code, EAN 13 code)
200	200	132	115.0	CPCF202013G [1] 6418677172120	CPCF202013T [1] 6418677172199
		187	170.0	CPCF202018G [1] 6418677182167	CPCF202018T [1] 6418677182235
	300	132	115.0	CPCF203013G [2] 6418677172137	CPCF203013T [2] 6418677172205
		187	170.0	CPCF203018G [2] 6418677182174	CPCF203018T [2] 6418677182242
	400	132	115.0	CPCF204013G [2] 6418677172144	CPCF204013T [2] 6418677172212
		187	170.0	CPCF204018G [2] 6418677182181	CPCF204018T [2] 6418677182259
300	300	132	115.0	CPCF303013G [3] 6418677172151	CPCF303013T [3] 6418677172229
		187	170.0	CPCF303018G [3] 6418677182198	CPCF303018T [3] 6418677182266
	400	132	115.0	CPCF304013G [3] 6418677172168	CPCF304013T [3] 6418677172236
		187	170.0	CPCF304018G [3] 6418677182204	CPCF304018T [3] 6418677182273
	600	132	115.0	CPCF306013G [4] 6418677172175	CPCF306013T [4] 6418677172243
		187	170.0	CPCF306018G [4] 6418677182211	CPCF306018T [4] 6418677182280
400	400	132	115.0	CPCF404013G 6438100112899	CPCF404013T 6438100112875
		187	170.0	CPCF404018G 6438100112905	CPCF404018T 6438100112882
	600	132	115.0	CPCF406013G [4] 6418677172182	CPCF406013T [4] 6418677172250
		187	170.0	CPCF406018G [4] 6418677182228	CPCF406018T [4] 6418677182297

Adjustable elevators are available for the base corner slots allowing the mounting of plates and panels at any height.

It is possible to mount the cover onto the back of the base of the Ensto Cubo C enclosure.

Our selection includes also ventilation devices and breathers.
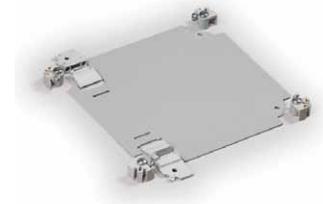
Hinged front panels can also be used with two front panels that need to be smoothly opened simultaneously.

A wide range of different type of flanges is available for Ensto Cubo enclosures.

Hinged cover screws are colour coded blue. Alternatives are slotted/cross head (OLSH1) or wing head (OLWH1).

Cable spreader for 1 cable, F2CE.1.

50 mm extension frame for F2 flange, F2C50E.

Ensto Cubo W wall cabinets
IP 66/67
Sizes 200 x 200 x 132 to 400 x 600 x 187 mm

Ensto Cubo W wall cabinets in brief:

- Made of polycarbonate
- Standard colour grey RAL 7035, cover also available in transparent
- Available with plain sides, Ensto Cubo W1 and W2 enclosure kits presented on page 18 are available with flange openings
- Has pre-assembled hinges and quick release latches as standard
- Available in 7 base sizes, one base depth and one cover height
- A 55 mm deep extension frame available for alternative depths in all sizes
- Is easily locked with a padlock, without any other accessories
- Based on the Ensto Cubo O enclosure series
- Most of the accessories of Ensto Cubo O can also be used for Ensto Cubo W. These include mounting plates, DIN rails, corner elevators and fastening lugs.

| Width (mm)	Height (mm)	Depth (mm)	Inner depth (mm)	Polycarbonate grey cover plain sides (product code, EAN 13 code)	Polycarbonate transparent cover plain sides (product code, EAN 13 code)
200	200	132	115.0	WPCP202013G 6418677174308	WPCP202013T 6418677174384
		187	170.0	WPCP202018G 6418677174469	WPCP202018T 6418677174544
	300	132	115.0	WPCP203013G 6418677174315	WPCP203013T 6418677174391
		187	170.0	WPCP203018G 6418677174476	WPCP203018T 6418677174551
	400	132	115.0	WPCP204013G 6418677174322	WPCP204013T 6418677174407
		187	170.0	WPCP204018G 6418677174483	WPCP204018T 6418677174568
300	300	132	115.0	WPCP303013G 6418677174339	WPCP303013T 6418677174414
		187	170.0	WPCP303018G 6418677174490	WPCP303018T 6418677174575
	400	132	115.0	WPCP304013G 6418677174346	WPCP304013T 6418677174421
		187	170.0	WPCP304018G 6418677174506	WPCP304018T 6418677174582
	600	132	115.0	WPCP306013G 6418677174353	WPCP306013T 6418677174438
		187	170.0	WPCP306018G 6418677174513	WPCP306018T 6418677174599
400	400	132	115.0	WPCP404013G 6438100113285	WPCP404013T 6438100113292
		187	170.0	WPCP404018G 6438100113308	WPCP404018T 6438100113315
	600	132	115.0	WPCP406013G 6418677174377	WPCP406013T 6418677174452
		187	170.0	WPCP406018G 6418677174537	WPCP406018T 6418677174612
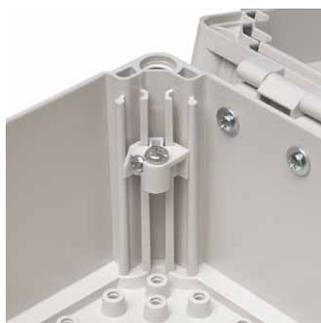
Adjustable elevators are available for the base corner slots allowing the mounting of plates and panels at any height.

The enclosure is easily locked with a padlock, without any other accessories.

The Ensto Cubo selection also includes enclosure kits. Here the Ensto Cubo W1 package including all items needed for installation and cable entries. More information on page 18.

Ensto Cubo P panel building system IP 65
Base sizes 300 x 300 x 102 to 400 x 600 x 102 mm
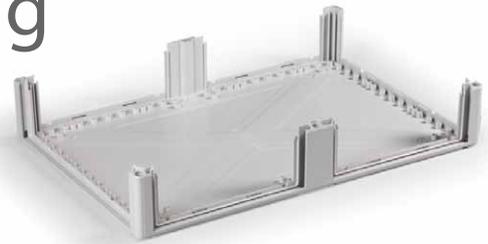
Ensto Cubo P panel building system in brief:
- Made of polycarbonate
- Standard colour grey RAL 7035, cover also available in transparent
- Includes a base part with four totally open sides
- Base part available in 4 sizes
- Open construction in the assembly stage; easy access from all directions
- Easy and quick assembly of bases and plates with the help of quick release pins
- Easy to modify and extend into larger assemblies
- All parts are reusable
- Wide range of accessories available.

Further information available in our Panel building system brochure. Please order through our customer service or download at **www.ensto.com**.

The Ensto Cubo P is an open construction during the assembly stage. The base part is totally open in four directions, enabling fast and efficient mounting.
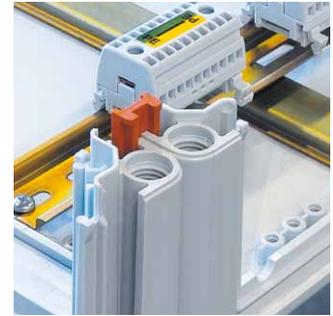
All parts of the panel building system are assembled quickly and easy thanks to the red locking pins.

Ensto Cubo G junction boxes IP 66
Size 93 x 93 x 50 mm

Ensto Cubo G junction box in brief:
- Made of polycarbonate
- Standard colour grey RAL 7035
- Available in one size
- Equipped with metric knockouts in the base and on all four sides of the base part
- Has fixed fastening lugs
- Cover has a snap-in fit
- High degree of protection without gasket.

Protection class IP 66 has been achieved through the innovative construction of the cover, which includes a snap in fit and no gasket.

The box is equipped with fixed fastening lugs.

Width (mm)	Height (mm)	Depth (mm)	Polycarbonate, metric knockouts (product code, EAN 13 code)
93	93	50	GPCM090905G 6438100100285 2 x M20 on each side of the base, 2 x M20 in the bottom

Ensto Cubo R modular enclosures IP 65

Sizes 75 x 125 x 100 to 300 x 600 x 136 mm

Ensto Cubo R modular enclosure in brief:

- Made of ABS or polycarbonate, transparent cover always polycarbonate
- Standard colour grey RAL 7035, hinged window smoke-grey as standard, also available as transparent
- Ready-assembled product
- Available with plain sides, or with Pg/metric/flange knockouts
- Has a hinged window in front, facilitating control and service of the devices located inside the enclosure
- Available in 7 sizes
- Small modular enclosures (sizes 75 x 125 x 100 to 175 x 250 x 100 mm) are available for 2, 4, 6 and 10 modules
- Large modular enclosures (sizes 300 x 300 x 132 to 300 x 600 x 132 mm) are available for 12, 24 or 36 modules
- Also suitable for humid conditions
- Both the door and the cover are lockable/sealable.

Contents of the product package:

Small modular enclosures (2-10 modules)
- Enclosure base
- Cover with hinged window
- Cover screws
- Pre-mounted DIN rails

Large modular enclosures (12-36 modules)
- Enclosure base
- Cover with hinged window
- Cover screws
- Pre-mounted DIN rails
- DIN rail profiles
- Pre-mounted N/PE busbars
- Cover plate
- Marker

Large enclosures have a smoke-grey hinged window as standard. As an alternative, these enclosures are available with a transparent window.

The cover can be sealed with a standard cover screw.

Small modular enclosures

Width (mm)	Height (mm)	Depth (mm)	Inner depth (mm)	Polycarbonate Pg knockouts (product code, EAN 13 code)	ABS plain sides (product code, EAN 13 code)
75	125	100	60.5/86	RPCK081308G/2M 6418677173455 For 2 modules	RABP081308G/2M 6418677173493 For 2 modules
125	125	100	60.5/86	RPCK131308G/4M 6418677173462 For 4 modules	RABP131308G/4M 6418677173509 For 4 modules
	175	100	60.5/86	RPCK131808G/6M 6418677173479 For 6 modules	RABP131808G/6M 6418677173516 For 6 modules
175	250	100	60.5/86	RPCK182508G/10M 6418677173486 For 10 modules	RABP182508G/10M 6418677173523 For 10 modules

Large modular enclosures

Width (mm)	Height (mm)	Depth (mm)	Inner depth (mm)	Polycarbonate metric knockouts (product code, EAN 13 code)	Polycarbonate flange knockouts (product code, EAN 13 code)	Polycarbonate plain sides (product code, EAN 13 code)	ABS plain sides (product code, EAN 13 code)
300	300	136	67.5/116	RPCM33DS.12MT 6418677182426 For 1 x 12 modules	RPCF33DS.12MT 6418677182488 For 1 x 12 modules	RPCP33DS.12MT 6418677182457 For 1 x 12 modules	RABP33DS.12MT 6418677182518 For 1 x 12 modules
	400	136	67.5/116	RPCM34DS.24MT 6418677182433 For 2 x 12 modules	RPCF34DS.24MT 6418677182495 For 2 x 12 modules	RPCP34DS.24MT 6418677182464 For 2 x 12 modules	RABP34DS.24MT 6418677182525 For 2 x 12 modules
	600	136	67.5/116	RPCM36DS.36MT 6418677182440 For 3 x 12 modules	RPCF36DS.36MT 6418677182501 For 3 x 12 modules	RPCP36DS.36MT 6418677182471 For 3 x 12 modules	RABP36DS.36MT 6418677182532 For 3 x 12 modules

Ensto Cubo M enclosures
IP 66
Sizes 75 x 80 x 55 to 400 x 405 x 120 mm

Ensto Cubo M enclosure in brief:

- Made of glass reinforced polyester (GRP)
- Colour similar to grey RAL 7001
- Available with plain sides
- Available in 13 sizes
- Has superb temperature resistance (-50 °C to +140 °C) with silicone gasket (on request only)
- Has sturdy construction and high resistance to corrosion and solvents
- Is suitable for highly demanding environments such as oil refineries and the petrochemical/chemical industries
- Is difficult to machine, for which reason ordering enclosures with ready-made cut-outs is recommended
- Available accessories include mounting plates, DIN rails, wall mounting lugs and hinges.

Width (mm)	Height (mm)	Depth (mm)	Inner depth (mm)	Polyester plain sides (product code, EAN 13 code)
75	80	55	47.5	MGRP080806 6418677165610
	110	55	47.5	MGRP081106 6418677165627
	160	55	47.5	MGRP081606 6418677165634
	190	55	47.5	MGRP081906 6418677165641
120	122	90	81.0	MGRP121209 6418677165658
	220	90	82.0	MGRP122209 6418677165672
160	160	91	81.5	MGRP161609 6418677165689
	260	91	80.0	MGRP162609 6418677165702
	360	91	81.5	MGRP163609 6418677165719
	560	91	81.5	MGRP165609 6418677165726
250	255	120	109.0	MGRP252612 6418677165733
	400	120	109.0	MGRP254012 6418677165757
400	405	120	109.0	MGRP404112 6418677165764

Ensto Cubo M enclosures have plain sides and captive cover screws of stainless steel.

Machining polyester enclosures is difficult, for which reason ordering customised enclosures is recommended.

Enclosures can also be equipped with hinges (HMHI2).

Wall mounting lugs are fastened with screws to the base of the enclosure. Product code HMFL4.

Ensto Cubo N wall cabinets
IP 66
Sizes 250 x 300 x 140 to 600 x 800 x 300 mm

Ensto Cubo N wall cabinets in brief:

- Available with plain sides or with a polycarbonate window
- Available in 7 sizes
- Superb temperature resistance
- Sturdy construction and high resistance to corrosion and solvents
- Suitable for highly demanding environments such as waste water treatment and the petrochemical/chemical industries
- Quick fixture brackets at the back allow fitting without drilling
- Built-in protective edge allows you to open the door 180° in installations and also prevents entry of water when opening the door
- Vertical patterns on the inner side of the door enables correct fitting of devices

Contents of the product package:

- Enclosure base
- Door
- Lock and DIN 3 keys (one for each lock)
- (or 3-point closing with swing handle)

Width (mm)	Height (mm)	Depth (mm)	Polyester plain sides (product code, EAN 13 code)	Polyester 3-point closing with swing handle / DIN3 plain sides (product code, EAN 13 code)	Polyester polycarbonate window plain sides (product code, EAN 13 code)
250	300	140	NGRP253014 6438100123451		NGRW253014 6438100123642
300	400	200	NGRP304020 6438100123468	NGRP304020P3SH 6438100123581	NGRW304020 6438100123659
400	400	200	NGRP404020 6438100123475	NGRP404020P3SH 6438100123598	NGRW404020 6438100123666
	500	200	NGRP405020 6438100123482	NGRP405020P3SH 6438100123604	NGRW405020 6438100123673
	600	230	NGRP406023 6438100123499	NGRP406023P3SH 6438100123611	NGRW406023 6438100123680
500	600	230	NGRP506023 6438100123505	NGRP506023P3SH 6438100123628	NGRW506023 6438100123697
600	800	300	NGRP608030 6438100123512	NGRP608030P3SH 6438100123635	NGRW608030 6438100123703

Ensto Cubo N wall cabinets have a built-in protective edge that allows you to open the door 180° while protecting the cabinet from entry of water. The quick fixture brackets at the back of the cabinet allows fitting without drilling.

Chassis for modular devices, NMC4060.54. The kit includes a metal frame with DIN rails and module cover plates.

Ensto Cubo E wall cabinets IP 66, with two doors IP 55
Sizes 200 x 300 x 150 to 1000 x 1200 x 300 mm

Ensto Cubo E wall cabinet in brief:

- The models of polyester painted mild steel enclosures have flange openings, standard colour grey RAL 7035
- Models of stainless steel (AISI 304) have plain sides
- The door can be opened 110° and can easily be changed from right to left-hand hinged
- Customer-specific dimensions also available in small volumes at competitive prices
- Available in stainless steel AISI 316 on request
- The available accessories include DIN rails, different locks and flanges, door stopper, fastening lugs and a rain shelter.

Contents of the product package:

- Enclosure base
- Door
- Cover plate(s) for flange opening(s), bolts and nuts (polyester painted enclosures)
- Mounting plate with required nuts
- M8 bolt, washers and a nut for earth connection of the mounting plate
- Earth marks
- DIN 3 lock and one DIN 3 key
- Cover plugs for mounting holes (polyester painted enclosures) and hinge holes
- Nut and washers for M6 bolts

A rain shelter is recommended if a cabinet is used outdoors.

Fastening lugs are available in depth alternatives of 20 mm (EFFL2.20) and 50 mm (EFFL2.50).

The enclosure has welded M8 bolts in the bottom of the base and M6 bolts in the door. There is also an M6 bolt for earthing on one side.

1) 1 x F1 flange opening
2) 1 x F2 flange opening
3) 2 x F2 flange opening
4) 3 x F2 flange opening
5) 4 x F2 flange opening

Width (mm)	Height (mm)	Depth (mm)	Inner depth (mm)	Polyester painted steel flange openings (product code, EAN 13 code)	Stainless steel AISI 304 plain sides (product code, EAN 13 code)
200	300	150	139	EFEF203015A (1 6418677158124	ESSP203015 6418677179518
300	200	150	139	EFEF302015A (2 6418677158131	ESSP302015 6418677179525
	300	150	139	EFEF303015A (2 6418677158148	ESSP303015 6418677179532
		200	189	EFEF303020A (2 6418677158155	ESSP303020 6418677179549
	400	200	189	EFEF304020A (2 6418677158162	ESSP304020 6418677179556
400	300	150	139	EFEF403015A (2 6418677158179	ESSP403015 6418677179563
		200	189	EFEF403020A (2 6418677158186	ESSP403020 6418677179570
	400	200	189	EFEF404020A (2 6418677158193	ESSP404020 6418677179587
		300	289	EFEF404030A (2 6418677158209	ESSP404030 6418677179594
	500	200	189	EFEF405020A (2 6418677158216	ESSP405020 6418677179600
	600	200	189	EFEF406020A (2 6418677158223	ESSP406020 6418677179617
		300	289	EFEF406030A (2 6418677158230	ESSP406030 6418677179624
500	500	200	189	EFEF505020A (3 6418677158247	ESSP505020 6418677179631
		300	289	EFEF505030A (3 6418677158254	ESSP505030 6418677179648
	600	300	289	EFEF506030A (3 6418677158261	ESSP506030 6418677179655
600	400	200	189	EFEF604020A (3 6418677158278	ESSP604020 6418677179662
		300	289	EFEF604030A (3 6418677158285	ESSP604030 6418677179679
	600	200	189	EFEF606020A (3 6418677158292	ESSP606020 6418677179686
		300	289	EFEF606030A (3 6418677158308	ESSP606030 6418677179693
	800	200	189	EFEF608020A (3 6418677158315	ESSP608020 6418677179709
		300	289	EFEF608030A (3 6418677158322	ESSP608030 6418677179716
	1000	300	289	EFEF6010030A (3 6418677158339	ESSP6010030 6418677179723
	1200	300	289	EFEF6012030A (3 6418677158346	ESSP6012030 6418677179730
800	600	300	289	EFEF806030A (4 6418677158353	ESSP806030 6418677179747
	800	200	189	EFEF808020A (4 6418677158360	ESSP808020 6418677179754
		300	289	EFEF808030A (4 6418677158377	ESSP808030 6418677179761
	1000	300	289	EFEF8010030A (4 6418677158384	ESSP8010030 6418677179778
	1200	300	289	EFEF8012030A (4 6418677158391	ESSP8012030 6418677179785
1000	800	300	289	EFEF1008030A (5 6418677158407	ESSP1008030 6418677179792
	1000	300	289	EFEF10010030A (5 6418677158414	ESSP10010030 6418677179808
	1200	300	289	EFEF10012030A (5 6418677158421	ESSP10012030 6418677179815
800	800	300	289	EFEF808030DA (4 6418677158438 Two doors	ESSP808030D 6418677179822 Two doors
	1000	300	289	EFEF8010030DA (4 6418677158445 Two doors	ESSP8010030D 6418677179839 Two doors
1000	1000	300	289	EFEF10010030DA (5 6418677158452 Two doors	ESSP10010030D 6418677179846 Two doors
	1200	300	289	EFEF10012030DA (5 6418677158469 Two doors	ESSP10012030D 6418677179853 Two doors

Ensto Cubo EO wall cabinets IP 66
Sizes 190 x 240 x 138 to 480 x 960 x 248 mm

Ensto Cubo EO wall cabinet in brief:
- Manufactured in polyester painted mild steel, standard colour grey RAL 7035
- Has flange knockouts on each side of the base
- Available in 22 sizes
- Door fitted with a quarter-turn slotted fastener
- The door can be opened 110º
- Has fixed M8 inserts for a mounting plate in the bottom of the base
- Has M6 bolt for earthing on one side of the base
- Equipped with two M6 bolts in the door for earthing
- Excellent choice for creating larger assemblies
- A wide range of accessories is available including flanges, fastening lugs and a door stopper.

Contents of the product package:
- Enclosure base
- Door
- M8 mounting screws
- Mounting plate
- Quarter-turn slotted lock

Width (mm)	Height (mm)	Depth (mm)	Inner depth (mm)	Polyester painted steel flange knockouts (product code, EAN 13 code)
190	240	138	118	EOK192414A [1) 6418677198946
	280	138	118	EOJ192814A [2) 6418677198922
		193	173	EOJ192819A [2) 6418677198939
	380	138	118	EOM193814A [2) 6418677198960
		193	173	EOM193819A [2) 6418677198977
240	280	138	118	EOL242814A [2) 6418677198953
280	280	138	118	EOO282814A [3) 6418677198984
		193	173	EOO282819A [3) 6418677198991
	380	138	118	EOP283814A [3) 6418677199004
		193	173	EOP283819A [3) 6418677199011
	560	138	118	EOT285614A [4) 6418677199042
		193	173	EOT285619A [4) 6418677199059
380	380	138	118	EOR383814A [3) 6418677199028
		193	173	EOR383819A [3) 6418677199035
	560	138	118	EOU385614A [4) 6418677199066
		193	173	EOU385619A [4) 6418677199073
		248	228	EOU385625A [4) 6418677199080
	840	193	173	EOV388419A [5) 6418677199103
		248	228	EOV388425A [5) 6418677199110
480	480	248	228	EOY484825A [3) 6418677199097
	760	248	228	EOZ487625A [4) 6418677199127
	960	248	228	EOQ489625A [4) 6418677199134

[1) 4 x F1 knockout
[2) 2 x F1 knockout + F2 knockout
[3) 4 x F2 knockout
[4) 6 x F2 knockout
[5) 8 x F2 knockout

The enclosures include flange knockouts on all four sides.

Door stopper, set, EDS2.

A 1.5 mm mounting plate complete with M8 bolts and earthing accessories are included in the delivery of standard enclosures.

Ventilation flange F2 size, EVF2A.

Fastening lug set, 20 mm high, EOFL2.20.

Fastening bolt set for F1 size flange, EO72.07.

Ensto Cubo F terminal enclosures IP 66

Sizes 150 x 150 x 80 to 800 x 400 x 120 mm

Ensto Cubo F terminal enclosure in brief:

- Available in polyester painted mild steel, colour grey RAL 7035, and stainless steel AISI 304
- Has plain sides. 120 mm deep polyester painted enclosures are also available with flange openings or polycarbonate window as standard
- Available in 30 sizes and in two depth alternatives
- Include a perforated support for DIN rail or mounting plate enabling the maximum use of all sides of the enclosure for cable entries
- Has M6 bolt for earthing on one side of the base
- Enclosures made of stainless steel AISI 316 are available on request
- Customer-specific dimensions also available in small volumes at competitive prices
- All versions can be supplied with hinges
- The available accessories include mounting plates, DIN rails, fastening lugs and hinges.

Contents of the product package:

- Enclosure base
- Cover
- Cover screws with gaskets and cage nuts
- Mounting screws
- Cover plugs for mounting holes
- A M6 nut and a washer for earthing
- Earth marks
- Models with flange openings include also cover plates, bolts and washers

Width (mm)	Height (mm)	Depth (mm)	Inner depth (mm)	Polyester painted steel plain sides (product code, EAN 13 code)	Polyester painted steel, flanges 192 x 62 mm (product code, EAN 13 code)	Polyester painted steel, with polycarbonate window (product code, EAN 13 code)	Stainless steel AISI 304 plain sides (product code, EAN 13 code)
150	150	80	63.5	FFUP151508A 6418677159701			FSUP151508 6418677189548
		120	103.5	FFUP151512A 6418677159855			FSUP151512 6418677189692
200	200	80	63.5	FFUP202008A 6418677159718			FSUP202008 6418677189555
		120	101.5			FFUW202012A 6418677198861 Window size: 120 x 120 mm	
		120	103.5	FFUP202012A 6418677159862			FSUP202012 6418677189708
300	150	80	63.5	FFUP301508A 6418677159725			FSUP301508 6418677189562
		120	103.5	FFUP301512A 6418677159879	FFUF301512A 6418677154744 Flanges/side: 1 + 1 + 0 + 0		FSUP301512 6418677189715
	200	80	63.5	FFUP302008A 6418677159732			FSUP302008 6418677189579
		120	101.5			FFUW302012A 6418677198878 Window size:220 x 120 mm	
		120	103.5	FFUP302012A 6418677159886	FFUF302012A 6418677154751 Flanges/side:1 + 1 + 0 + 0		FSUP302012 6418677189722
	300	80	63.5	FFUP303008A 6418677159749			FSUP303008 6418677189586
		120	103.5	FFUP303012A 6418677159893	FFUF303012A 6418677154768 Flanges/side:1 + 1 + 1 + 1		FSUP303012 6418677189739
400	200	80	63.5	FFUP402008A 6418677159756			FSUP402008 6418677189593
		120	101.5			FFUW402012A 6418677198885 Window size:320 x 120 mm	
		120	103.5	FFUP402012A 6418677159909	FFUF402012A 6418677154775 Flanges/side:1 + 1 + 0 + 0		FSUP402012 6418677189746
	300	80	63.5	FFUP403008A 6418677159763			FSUP403008 6418677189609
		120	103.5	FFUP403012A 6418677159916	FFUF403012A 6418677154782 Flanges/side: 1 + 1 + 1 + 1		FSUP403012 6418677189753

Width (mm)	Height (mm)	Depth (mm)	Inner depth (mm)	Polyester painted steel plain sides (product code, EAN 13 code)	Polyester painted steel, flanges 192 x 62 mm (product code, EAN 13 code)	Polyester painted steel, with polycarbonate window (product code, EAN 13 code)	Stainless steel AISI 304 plain sides (product code, EAN 13 code)
400	400	80	63.5	FFUP404008A 6418677159770			FSUP404008 6418677189616
		120	103.5	FFUP404012A 6418677159923	FFUF404012A 6418677154799 Flanges/side: 1 + 1 + 1 + 1		FSUP404012 6418677189760
500	200	80	63.5	FFUP502008A 6418677159787			FSUP502008 6418677189623
		120	101.5			FFUW502012A 6418677198892 Window size: 420 x 120 mm	
		120	103.5	FFUP502012A 6418677159930	FFUF502012A 6418677154805 Flanges/side: 2 + 2 + 0 + 0		FSUP502012 6418677189777
	300	80	63.5	FFUP503008A 6418677159794			FSUP503008 6418677189630
		120	103.5	FFUP503012A 6418677154683	FFUF503012A 6418677154812 Flanges/side: 2 + 2 + 1 + 1		FSUP503012 6418677189784
600	200	80	63.5	FFUP602008A 6418677159800			FSUP602008 6418677189647
		120	101.5			FFUW602012A 6418677198908 Window size: 520 x 120 mm	
		120	103.5	FFUP602012A 6418677154690	FFUF602012A 6418677154829 Flanges/side: 2 + 2 + 0 + 0		FSUP602012 6418677189791
	300	80	63.5	FFUP603008A 6418677159817			FSUP603008 6418677189654
		120	103.5	FFUP603012A 6418677154706	FFUF603012A 6418677154836 Flanges/side: 2 + 2 + 1 + 1		FSUP603012 6418677189807
	400	80	63.5	FFUP604008A 6418677159824			FSUP604008 6418677189661
		120	103.5	FFUP604012A 6418677154713	FFUF604012A 6418677154843 Flanges/side: 2 + 2 + 1 + 1		FSUP604012 6418677189814
800	200	80	63.5	FFUP802008A 6418677159831			FSUP802008 6418677189678
		120	101.5			FFUW802012A 6418677198915 Window size: 720 x 120 mm	
		120	103.5	FFUP802012A 6418677154720	FFUF802012A 6418677198830 Flanges/side: 3 + 3 + 0 + 0		FSUP802012 6418677189821
	400	80	63.5	FFUP804008A 6418677159848			FSUP804008 6418677189685
		120	103.5	FFUP804012A 6418677154737	FFUF804012A 6418677198847 Flanges/side: 3 + 3 + 1 + 1		FSUP804012 6418677189838

These enclosures include a perforated support for a DIN rail or mounting plate as standard. The optimised mounting supports enable the maximum use of all sides of the enclosure for cable entries.

120 mm deep polyester painted enclosures are also available with flange openings. The product package includes cover plates, bolts and washers.

Some standard models of Ensto Cubo F are available with polycarbonate window.

The available accessories include mounting plates, DIN rails, fastening lugs and hinges.

Ensto Cubo F push button enclosures

We offer as a standard stainless steel enclosures with push button openings. The series includes narrow and stylish enclosures in four different sizes.

Width (mm)	Height (mm)	Depth (mm)	Inner depth (mm)	push button openings (product code, EAN 13 code)
100	100	90	73.5	FSPB101009 6438100123109
160	100	90	73.5	FSPB161009 6438100123116
220	100	90	73.5	FSPB221009 6438100123123
280	100	90	73.5	FSPB281009 6438100123130

Ensto Cubo X Ex enclosures
Sizes 150 x 150 x 90 to 800 x 500 x 200 mm

Ensto Cubo X Ex enclosure in brief:
- IP 66/67 or IP 66
- Certified to meet the demanding ATEX and IECEx requirements
- Available as empty enclosures or equipped junction enclosures
- Scalable dimensioning
  - Height from 150mm to 1500mm
  - Width from 150mm to 1000mm
  - Depth from 90mm to 400mm
- Four different versions for fastening the cover
- Possibility for an inspection window or a padlocking system
- All hinges and lugs are welded for maximum strength
- High-tension base collar structure
- Flexible, closed-cell special gasket

Contents of the product package:
- Enclosure base
- Cover
- Captive cover screws with washers
- A M6 nut and a washer for earthing
- Models with flange openings include also cover plates, bolts and washers

Ensto Cubo X with plain sides

Width (mm)	Height (mm)	Depth (mm)	Plain sides, AISI 316 (product code, EAN 13 code)	polyester Plain sides painted mild steel (product code, EAN 13 code)
150	150	90	X1ANP151509 6438100132101	X1FEP151509 6438100132200
	200	100	X1ANP152010 6438100132118	X1FEP152010 6438100132217
200	200	100	X1ANP202010 6438100132125	X1FEP202010 6438100132224
	300	120	X1ANP203012 6438100132132	X1FEP203012 6438100132231
	400	150	X1ANP204015 6438100132149	X1FEP204015 6438100132248
300	300	150	X1ANP303015 6438100132156	X1FEP303015 6438100132255
400	300	150	X1ANP403015 6438100132163	X1FEP403015 6438100132262
	400	200	X1ANP404020 6438100132170	X1FEP404020 6438100132279
	600	200	X1ANP406020 6438100132187	X1FEP406020 6438100132286
500	800	200	X1ANP508020 6438100132194	X1FEP508020 6438100132293

Ensto Cubo X with flange openings

Width (mm)	Height (mm)	Depth (mm)	Flange openings on the bottom, AISI 316 (product code, EAN 13 code)	polyester Flange openings on the bottom, painted mild steel (product code, EAN 13 code)	Flange openings on the bottom and both sides, AISI 316 (product code, EAN 13 code)	polyester Flange openings on the bottom and both sides, painted mild steel (product code, EAN 13 code)
400	300	150	X2ANP403015G1 6438100132309 Flange opening size: 212 x 73 mm	X2FEP403015G1 6438100132347 Flange opening size: 212 x 73 mm	X2ANP403015G2 6438100132385 Bottom flange: 262 x 73 mm Side flanges: 212 x 73 mm	X2FEP403015G2 6438100132422 Bottom flange: 262 x 73 mm Side flanges: 212 x 73 mm
	400	200	X2ANP404020G1 6438100132316 Flange opening size: 312 x 110 mm	X2FEP404020G1 6438100132354 Flange opening size: 312 x 110 mm	X2ANP404020G2 6438100132392 Bottom flange: 262 x 110 mm Side flanges: 312 x 110 mm	X2FEP404020G2 6438100132439 Bottom flange: 262 x 110 mm Side flanges: 312 x 110 mm
	600	200	X2ANP406020G1 6438100132323 Flange opening size: 312 x 110 mm	X2FEP406020G1 6438100132361 Flange opening size: 312 x 110 mm	X2ANP406020G2 6438100132408 Bottom flange: 262 x 110 mm Side flanges: 412 x 110 mm	X2FEP406020G2 6438100132446 Bottom flange: 262 x 110 mm Side flanges: 412 x 110 mm
500	800	200	X2ANP508020G1 6438100132330 Flange opening size: 412 x 110 mm	X2FEP508020G1 6438100132378 Flange opening size: 412 x 110 mm	X2ANP508020G2 6438100132415 Bottom flange: 362 x 110 mm Side flanges: 612 x 110 mm	X2FEP508020G2 6438100132453 Bottom flange: 362 x 110 mm Side flanges: 612 x 110 mm

Standard grounding can be replaced with an M10 brass internal/outer insert.

Since the Lexan window is scalable, just the right size is always available.

The enclosure can be protected from misuse by furnishing it with Ensto's locking system.

The fastening lugs can be attached in a horizontal or vertical position, or be replaced with threaded inserts. Standard grounding is placed onto one lug.

Ensto Cubo H enclosures
IP 66
Sizes 50 x 45 x 30 to 310 x 601 x 180 mm

Ensto Cubo H enclosure in brief:

- Made of polyester painted aluminium
- Standard colour grey RAL 7001
- Available with plain sides
- Available in 29 sizes
- Meets the requirements of the machine and military industry as regards resistance to solvents, petrol and oil
- Has superb temperature resistance (-50 °C to +150 °C) with silicone gasket (on request only)
- Is difficult to machine, for which reason ordering enclosures with ready-made cut-outs is recommended
- Available accessories include mounting plates, DIN rails, wall mounting lugs and hinges.

Width (mm)	Height (mm)	Depth (mm)	Inner depth (mm)	Polyester painted aluminium plain sides (product code, EAN 13 code)
50	45	30.0	24.5	HALP050503 6418677165450
64	58	34.0	28.5	HALP060604 6418677165771
	98	35.0	29.0	HALP061004 6418677165788
	150	35.0	27.5	HALP061504 6418677165795
80	75	57.5	51.5	HALP080806 6418677165801
	125	58.0	52.5	HALP081306 6418677165818
		125.5	117.5	HALP081313 6438100088279
	175	58.0	52.0	HALP081806 6418677165825
	250	57.5	50.5	HALP082506 6418677165832
120	122	82.0	72.5	HALP121208 6438100090395
		92.5	83.0	HALP121209 6418677165849
	220	81.5	72.5	HALP122208 6438100088286
		91.0	82.5	HALP122009 6418677165856
121	360	82.5	72.5	HALP123608 6418677165863
160	160	92.0	82.0	HALP161609 6418677165870
	260	91.5	82.0	HALP162609 6418677165887
	360	91.5	82.0	HALP163609 6418677165894
	560	92.0	81.0	HALP165609 6418677165900
202	232	111.5	102.5	HALP202311 6418677165917
200	230	181.0	172.0	HALP202318 6418677165924
230	280	111.5	102.5	HALP232811 6418677165931
233	335	112.0	102.5	HALP233311 6418677165948
234	335	182.0	172.0	HALP233318 6418677165955
230	400.5	111.5	99.0	HALP234011 6418677165962
	600	114.0	101.5	HALP236011 6418677165979
310	403	111.5	100.5	HALP314011 6418677165986
		181.5	171.0	HALP314018 6418677165993
	601	112.0	102.0	HALP316011 6418677166006
		180.0	169.0	HALP316018 6418677166013

Captive cover screws of stainless steel are included in the delivery of Ensto Cubo H enclosures. Mounting screws are integrated in the enclosure base.

Machining aluminium enclosures is difficult, for which reason ordering customised enclosures is recommended.

Enclosures can also be equipped with hinges (HMHI2).

Wall mounting lugs are fastened with screws to the base of the enclosure. Product code HMFL4.

Cable glands
For Ensto Cubo enclosures

Metric thread

Dimensions	Cable gland grey polyamide with strain relief, IP 68 (Ordering no., EAN 13 code)	Counter nut grey polyamide (Ordering no., EAN 13 code)	Cover plug grey polyamide (Ordering no., EAN 13 code)	Cable gland, brass with strain relief incl. O ring, IP 68 (Ordering no., EAN 13 code)	Counter nut brass (Ordering no., EAN 13 code)	Blind plug brass (Ordering no., EAN 13 code)
M12	KTM24.12 6416031851124 Cable Ø 3-6.5 mm	PMR1218.12 6416031859120	PMR1217.12 6416031853128	KTM12.12 6416031812125 Cable Ø 3-6.5 mm	PTK16.12 6416031813122	PTK17.12 6416031814129
M16	KTM24.16 6416031851162 Cable Ø 5-10 mm	PMR1218.16 6416031859168	PMR1217.16 6416031853166	KTM12.16 6416031812163 Cable Ø 4-8 mm	PTK16.16 6416031813160	PTK17.16 6416031814167
M20	KTM24.20 6416031851209 Cable Ø 10-14 mm	PMR1218.20 6416031859205	PMR1217.20 6416031853203	KTM12.20 6416031812200 Cable Ø 6-12 mm	PTK16.20 6416031813207	PTK17.20 6416031814204
M25	KTM24.25 6416031851254 Cable Ø 13-18 mm	PMR1218.25 6416031859250	PMR1217.25 6416031853258	KTM12.25 6416031812255 Cable Ø 10-14 mm	PTK16.25 6416031813252	PTK17.25 6416031814259
M32	KTM24.32 6416031851322 Cable Ø 18-25 mm	PMR1218.32 6416031859328	PMR1217.32 6416031853326	KTM12.32 6416031812323 Cable Ø 13-18 mm	PTK16.32 6416031813320	PTK17.32 6416031814327
M40	KTM24.40 6416031851407 Cable Ø 22-32 mm	PMR1218.40 6416031859403	PMR1217.40 6416031853401	KTM12.40 6416031812408 Cable Ø 18-25 mm	PTK16.40 6416031813405	PTK17.40 6416031814402
M50	KTM24.50 6416031851506 Cable Ø 30-38 mm	PMR1218.50 6416031859502	PMR1217.50 6416031853500	KTM12.50 6416031812507 Cable Ø 22-32 mm	PTK16.50 6416031813504	PTK17.50 6416031814501
M63	KTM24.63 6418677171031 Cable Ø 34-44 mm	PMR1218.63 6418677171048	PMR1217.63 6418677171055	KTM12.6332 6416031812637 Cable Ø 34-44 mm	PTK16.63 6416031813634	PTK17.63 6416031814631

Pg thread

Dimensions	Cable gland grey polyamide with strain relief IP 68 (Ordering no., EAN 13 code)	Cable gland black polyamide with strain relief IP 68 (Ordering no., EAN 13 code)	Counter nut grey polyamide (Ordering no., EAN 13 code)	Cover plug grey polyamide (Ordering no., EAN 13 code)
Pg7	KT24.07 6418677170836 Cable Ø 3-6.5 mm	KT24.07/BLACK 6418677158803 Cable Ø 2-5 mm	PMR444.07 6418677170935	PMR442.07 6418677169960
Pg9	KT24.09 6418677170843 Cable Ø 4-8 mm	KT24.09/BLACK 6418677170842 Cable Ø 2-6 mm	PMR444.09 6418677170942	PMR442.09 6418677169403
Pg11	KT24.11 6418677170850 Cable Ø 5-10 mm	KT24.11/BLACK 6418677158827 Cable Ø 3-7 mm	PMR444.11 6418677170959	PMR442.11 6418677169410
Pg13.5	KT24.13 6418677170867 Cable Ø 6-12 mm	KT24.13/BLACK 6418677158834 Cable Ø 5-9 mm	PMR444.13 6418677170966	PMR442.13 6418677169427
Pg16	KT24.16 6418677170874 Cable Ø 10-14 mm	KT24.16/BLACK 6418677158841 Cable Ø 7-12 mm	PMR444.16 6418677170973	PMR442.16 6418677169434
Pg21	KT24.21 6418677170881 Cable Ø 13-18 mm	KT24.21/BLACK 6418677158858 Cable Ø 9-16 mm	PMR444.21 6418677170980	PMR442.21 6418677169441
Pg29	KT24.29 6418677170898 Cable Ø 18-25 mm	KT24.29/BLACK 6418677158865 Cable Ø 12-20 mm	PMR444.29 6418677170997	PMR442.29 6418677169458
Pg36	KT24.36 6418677170904 Cable Ø 22-32 mm	KT24.36/BLACK 6418677158872 Cable Ø 20-26 mm	PMR444.36 6418677171000	PMR442.36 6418677169465
Pg42	KT24.42 6418677170911 Cable Ø 30-38 mm	KT24.42/BLACK 6418677158889 Cable Ø 25-31 mm	PMR444.42 6418677171017	
Pg48	KT24.48 6418677170928 Cable Ø 34-44 mm	KT24.48/BLACK 6418677158896 Cable Ø 29-35 mm	PMR444.48 6418677171024	

KTM12.12

PMR1218.12

PMR1217.12

Ensto Cubo enclosure kits
Sizes 125 x 125 x 75 to 300 x 400 x 132 mm

Ensto Cubo enclosure kits in brief:

- Include everything needed for installation and cable entries
- Save time and effort in choosing products, since required items can be ordered with one product code only
- Need less storage space than items required for the same solution which come in separate packages
- Easy to carry to the installation site thanks to the handle on the kit package.

Cubelo is designed for use as a small panel in dry areas, and for creating larger panel assemblies. The enclosure is suitable for both surface and flush mounting. Cubelo11KS25 includes also a narrow, space-saving two-module 25 A Ensto switch.

Item	Cubelo11	Cubelo11KS25
EAN 13 code	6418677182594	6418677181528
Size (mm)	222 x 210 x 95	222 x 210 x 95
Modules	11	11
Package content:		
Load break switch, 25 A	-	1
Cover screws (pcs)	4	4
DIN rail	1	1
Flange	1	1
Wiring plugs for flush mounting	12	12
Cover plate for 6 modules	1	1
N/PE-busbars	2 x (3 x 16 mm², 9 x 6 mm²)	2 x (3 x 16 mm², 9 x 6 mm²)
Marker	1	1

Ensto Cubo S2

Ensto Cubo C2

Item	Ensto Cubo S1	Ensto Cubo S2	Ensto Cubo S3
Product code	SPCM131308G001	SPCM131808G002	SPCM182515G003
EAN 13 code	6418677182303	6418677182310	6418677182327
Size (mm)	125 x 125 x 75	125 x 175 x 75	175 x 250 x 150
Package content:			
Cover screws (pcs)	4	4	4
Cable glands incl. strain relief	2 x M16, 2 x M20	2 x M20, 2 x M25	2 x M20, 2 x M25
Counter nuts	2 x M16, 2 x M20, 1 x M25	2 x M20, 3 x M25	2 x M20, 3 x M25
Cover plug	1 x M25	1 x M25	1 x M25
Fastening lugs, set	1	1	1
Mounting plate	1	1	1
Mounting screws (pcs)	4	4	4

Ensto Cubo W1

Ensto Cubo R1

Item	Ensto Cubo C1	Ensto Cubo C2	Ensto Cubo W1	Ensto Cubo W2	Ensto Cubo R1	Ensto Cubo R2
Product code	CPCF303013G001	CPCF304013G002	WPCJ303013G001	WPCF304013G002	RPCF3313DS001	RPCF3413DS002
EAN 13 code	6418677182549	6418677182570	6418677182358	6418677182365	6418677182334	6418677182341
Size (mm)	300 x 300 x 132	300 x 400 x 132	300 x 300 x 132	300 x 400 x 132	300 x 300 x 132	300 x 400 x 132
Modules	-	-	-	-	1 x 12	2 x 12
Package content:						
Cover screws (pcs)	4	4	4	4	4	4
Membrane flanges	1 x F2202	1 x F2202	2x F2202	2x F2202	2x F2202	2x F2202
Flange bolt sets	1	1	2	2	2	2
Base supports	1	1	2	2	2	2
Fastening lugs, set	1	1	1	1	1	1
Mounting plate	1	1	1	1	-	-
Mounting screws (pcs)	4	4	4	4	2	4
DIN rail	-	-	-	-	1	2
Cover plate for DIN slits	-	-	-	-	1	1
Distance bushing	-	-	-	-	2 x 14 mm	2 x 14 mm
N/PE rail	-	-	-	-	1	-
N rail	-	-	-	-	-	1
PE rail	-	-	-	-	-	1
Corner elevators	-	-	-	-	2	2

Ensto Cubo T enclosed terminals

Sizes 125 x 125 x 75 to 300 x 600 x 132 mm

Ensto Cubo T enclosed terminals in brief:

- Include everything needed for connecting wires, extending or branching cables as well as enclosing
- Available with Ensto Clampo Compact terminal blocks and Ensto Clampo Pro Universal terminals
- Include either Ensto Cubo S or C thermoplastic enclosures
- The enclosure has exactly the right dimensions in terms of the terminals and the required bending space
- Save time in choosing products, since all of the required items can be ordered with one ordering number only
- Need less storage space than items needed for the same solution which come in separate packages
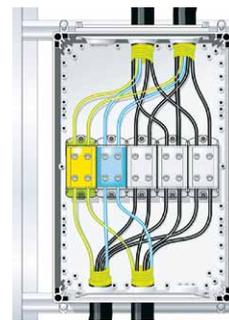- Content of the kits detailed in the table below.
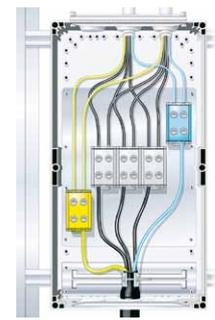
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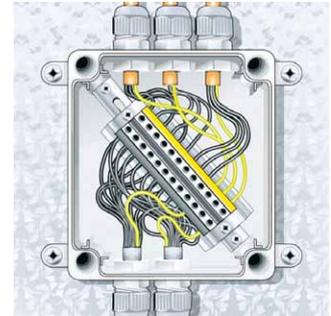
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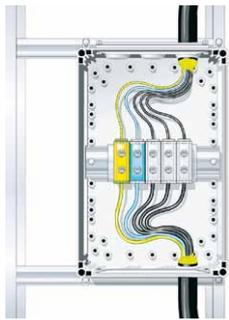
Ensto Cubo T2

Ensto Cubo T3

Ensto Cubo T4

Ensto Cubo T5

Item	Ensto Cubo T1	Ensto Cubo T2	Ensto Cubo T3	Ensto Cubo T4	Ensto Cubo T5
Product code	TPM131308G001	TPCF203013G002	TPCF304013G003	TPCF304013G004	TPCF306013G005
EAN 13 code	6418677182372	6418677182389	6418677182396	6418677182402	6418677182419
Cross-section	Cu 12 x 6 mm^2	Al/Cu 5 x 6-50 mm^2	Al/Cu 5 x 16-95 mm^2	Al/Cu 2 x (5 x 16 - 95) mm^2	Al/Cu 2 x (5 x 35 - 150) mm^2
Package content:					
Ensto Cubo enclosure	SPCM131308G	CPCF203013G	CPCF304013G	CPCF304013G	CPCF306013G
Cover screws (pcs)	4	4	4	4	6
Cable glands incl. strain relief	2 x M16, 2 x M20, 1 x M25	-	-	-	-
Counter nuts	2 x M16, 2 x M20, 1 x M25	-	-	-	-
Cover plug	1 x M25	-	-	-	-
Membrane flanges	-	2 x F1201	2 x F2204	2 x F2204	2 x F2204
Flange bolt sets	-	2	2	2	2
Base supports	-	-	2	2	2
Fastening lugs, set	1	1	1	1	1
DIN rails /mounting plate	1 x DIN 15 rail, 13 cm	1 x DIN 35 rail, 16 cm	1 x DIN 35 rail, 26 cm	1 x DIN 35 rail, 26 cm	1 x mounting plate 30 x 40 cm
Mounting screws (pcs)	2	2	2	2	4
End holder	2	2	2	2	-
Terminals	1 x 12-pole, grey (KR8121)	1 x 3-pole, grey (KE61.03), 1 x blue (KE61.2), 1 x yellow-green (KE61.3)	3 x grey (KE62), 1 x blue (KE62.2), 1 x yellow-green (KE62.3)	3 x grey (KE67), 1 x blue (KE67.2), 1 x yellow-green (KE67.3)	3 x grey (KE68), 1 x blue (KE68.2), 1 x yellow-green (KE68.3)
Marking	1-12	L1, L2, L3	L1, L2, L3	L1, L2, L3	L1, L2, L3
Cross connectors	2 x 3-pole (KRL6067.03)	-	-	-	-

Universal terminal series for Al/Cu conductors

Ensto Clampo Pro

Ensto Clampo Pro terminals in brief:

- Include one-pole terminal blocks and tapping blocks that accommodate four conductors
- The 50 mm² universal terminal is also available as a three-pole terminal block
- Compact size compared to other, similar products on the market
- Suitable for both aluminium and copper conductors
- Pre-greased
- Simple, reliable construction
- Can be fixed straight onto a DIN rail or, with screws, onto a base
- Can be quickly and easily connected using one screw only.

The Ensto Clampo Pro universal terminal series includes one-pole terminal blocks and tapping blocks. The 50 mm² terminal is also available as a three-pole terminal block.

| Cross-section (mm²)	Product code	EAN 13 code	Colour	Nominal current (A) Cu	Al
One-pole terminal blocks					
Al 6-50 , Cu 2.5-50	KE61	6418677191817	Grey		
	KE61.2	6418677191831	Blue	160	145
	KE61.3	6418677191848	Yellow-green		
Al/Cu 16-95	KE62	6418677191855	Grey		
	KE62.2	6418677191862	Blue	245	220
	KE62.3	6418677191879	Yellow-green		
Al/Cu 35-150	KE63	6418677191886	Grey		
	KE63.2	6418677191893	Blue	320	290
	KE63.3	6418677191909	Yellow-green		
Al/Cu 35-240	KE64	6418677191916	Grey		
	KE64.2	6418677191923	Blue	425	380
	KE64.3	6418677191930	Yellow-green		
Three-pole terminal block					
Al 6-50 , Cu 2.5-50	KE61.03	6418677191824	Grey	160	145
Tapping blocks, single pole, four connections					
Al 6-50 , Cu 2.5-50	KE66	6418677191947	Grey		
	KE66.2	6418677191954	Blue	160	145
	KE66.3	6418677191961	Yellow-green		
Al/Cu 16-95	KE67	6418677191978	Grey		
	KE67.2	6418677191985	Blue	245	220
	KE67.3	6418677191992	Yellow-green		
Al/Cu 35-150	KE68	6418677192005	Grey		
	KE68.2	6418677192012	Blue	320	290
	KE68.3	6418677192029	Yellow-green		
Al/Cu 35-240	KE69	6418677192036	Grey		
	KE69.2	6418677192043	Blue	425	380
	KE69.3	6418677192050	Yellow-green		

Other components

Ensto Clampo Apparatus equipment terminals are used for connecting Al/Cu conductors to equipment. The terminals are suitable for one or two conductors to be directly connected. Terminals with an insulation base are also available.

Ensto Clampo Compact terminal blocks are an excellent and costeffective solution for installations with limited space available. The terminal blocks are suitable for Cu conductors and they can be mounted onto a DIN rail or directly onto a surface.
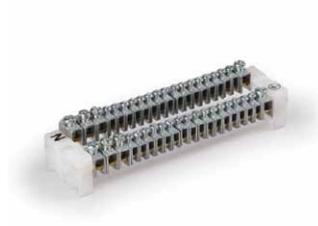
Ensto Clampo Ground series is an extensive selection of N and PE terminals. The application range of Ensto Clampo Ground terminals is broad: low voltage switchgear and control gear assemblies, electronics industry, machine and device manufacture.

Ensto Compact is a complete series of load break switches with nominal currents from 16 A to 125 A. The rotary switches are compact in size and well designed. This line is based on the small frame size, available from 16 A to 63 A, and the medium frame size, available from 63 A to 125 A.

For further information on our components please refer to our web pages www.ensto.com.

Terminal sets
Ensto Clampo

Ensto Clampo terminal sets in brief:
- Meet the most common installation needs
- Packed in convenient retail packages
- Available for Ensto Clampo Pro universal terminals and Ensto Clampo Apparatus equipment terminals.

KE53.2T includes Ensto Clampo Apparatus equipment terminals.

KE66.2T includes Ensto Clampo Pro tapping blocks.

KE61SET includes Ensto Clampo Pro universal terminals.

KE12.20T includes Ensto Clampo Apparatus adapter terminals.

Cross-section (mm²)	Product code	EAN 13 code	Description
Ensto Clampo Pro universal terminals			
Cu 2.5 - 50, Al 6 - 50	KE61SET	6418677191800	Mounting kit, KE61.03 + KE61.2 + KE61.3
	KE61T	6418677192326	Universal terminal, grey, a bag of 3 pcs
	KE61.03T	6418677192357	Universal terminal, grey, 3-pole, a bag of 2 pcs
	KE61.2T	6418677192333	Universal terminal, blue, a bag of 3 pcs
	KE61.3T	6418677192340	Universal terminal, yellow-green, a bag of 3 pcs
Cu/Al 16 - 95	KE62SET	6418677192432	Mounting kit, 3 x KE62 + KE62.2 + KE62.3
	KE62T	6418677192364	Universal terminal, grey, a bag of 3 pcs
	KE62.2T	6418677192371	Universal terminal, blue, a bag of 3 pcs
	KE62.3T	6418677192388	Universal terminal, yellow-green, a bag of 3 pcs
Cu 2.5 - 50, Al 6 - 50	KE66T	6418677192395	Tapping block, grey, a bag of 3 pcs
	KE66.2T	6418677192401	Tapping block, blue, a bag of 3 pcs
	KE66.3T	6418677192418	Tapping block, yellow-green, a bag of 3 pcs
Ensto Clampo Apparatus equipment terminals			
Cu 2.5 - 50, Al 6 - 50	KE12.12T	6418677181764	Al transition terminal for MCB, a bag of 3 pcs
	KE12.20T	6418677181771	Al transition terminal for KSM- and KSR/KST3.63-3.80
Cu/Al 16 - 95	KE52.2T	6418677192494	Equipment terminal, a bag of 3 pcs + screw kits
Cu/Al 35 - 150	KE53.2T	6418677192500	Equipment terminal, a bag of 3 pcs + screw kits
Cu/Al 35 - 240	KE54.2T	6418677192517	Equipment terminal, a bag of 3 pcs + screw kits
Cu/Al 2 x (16 - 95)	KE56.1T	6418677181726	Equipment terminal, a bag of 3 pcs
Ensto Clampo Compact terminal blocks			
Cu 6	KR8121T	6418677167980	12-pole terminal block, a bag of 3 pcs

Technical information

Enclosure series	Cubo S		Cubo D		Cubo O		Cubo C
Material	PC	ABS	PC	ABS	PC	ABS	PC
Knockout alternatives	Plain sides, metric and Pg knockouts	Plain sides	Plain sides	Plain sides	Plain sides, metric knockouts	Plain sides	Flange knockouts
Minimum size (mm)	75 x 125 x 35		53 x 55 x 36		200 x 200 x 132		200 x 200 x 132
Maximum size (mm)	175 x 250 x 150		230 x 300 x 111		400 x 600 x 187		400 x 600 x 187
Degree of protection	IP 66, IP 67		IP 66, IP 67		IP 66, IP 67		IP 66, IP 67
Impact resistance	IK 08 (-25 °C...+35 °C)	IK 07 (+35 °C)/IK 06 (-25 °C)	IK 08 (-25 °C...+35 °C)	IK 07 (+35 °C)/IK 06 (-25 °C)	IK 08 (-25 °C...+35 °C)	IK 08 (+35 °C)/IK 07 (-25 °C)	IK 08 (-25 °C...+35 °C)
Environmental type (UL)	4, 4X, 6, 12, 13	N/A	4, 4X, 6, 12, 13	N/A	4, 4X, 12, 13	N/A	4, 4X, 12, 13
Continuous operating temperature	-40 °C… +80 °C	-40 °C… +60 °C	-40 °C… +80 °C	-40 °C… +60 °C	-40 °C… +80 °C	-40 °C… +60 °C	-40 °C… +80 °C
Flammability	UL 746C 5V	UL 94 HB	UL 746C 5V	UL 94 HB	UL 746C 5V	UL 94 HB	UL 746C 5V

Enclosure series	Cubo W	Cubo P	Cubo G	Cubo R		Cubo M	Cubo N
Material	PC	PC	PC	PC	ABS	GRP	GRP
Knockout alternatives	Plain sides	Totally open sides	Metric knockouts	Plain sides, Pg, metric, and flange knockouts	Plain sides	Plain sides	Plain sides
Minimum size (mm)	200 x 200 x 132	300 x 300 x 102	93 x 93 x 50	75 x 125 x 100		75 x 80 x 55	250 x 300 x 140
Maximum size (mm)	400 x 600 x 187	400 x 600 x 102	93 x 93 x 50	300 x 600 x 136		400 x 405 x 120	600 x 800 x 300
Degree of protection	IP 66, IP 67	IP 65	IP 66	IP 65	IP 65	IP 66	IP 66
Impact resistance	IK 08 (-25 °C...+35 °C)	IK 08 (-25 °C...+35 °C)	IK 08 (-25 °C...+35 °C)	IK 08 (-25 °C...+35 °C)	IK 08 (+35 °C)/IK 07 (-25 °C)	7 Nm	IK 10 [2]
Environmental type (UL)	4, 4X, 12, 13	N/A	N/A	N/A	N/A	N/A	N/A
Continuous operating temperature	-40 °C… +80 °C	N/A	-50 °C… +120 °C	-40 °C… +80 °C	-40 °C… +60 °C	-40 °C… +110 °C	N/A
Flammability	UL 746C 5V	N/A	UL 94 5VA	UL 94 V0/V2	UL 94 HB	N/A	UL 746C 5V

Enclosure series	Cubo E		Cubo EO	Cubo F		cubo X	Cubo H
Material	SS	PPMS	PPMS	SS	PPMS	PPMS, AISI316	AL
Knockout alternatives	Plain sides	Flange openings	Flange knockouts	Plain sides	Plain sides, flange openings	Plain sides, flange openings	Plain sides
Minimum size (mm)	200 x 300 x 150		190 x 240 x 138	150 x 150 x 80		150 x 150 x 90 [3]	50 x 45 x 30
Maximum size (mm)	1000 x 1200 x 300		480 x 960 x 248	800 x 400 x 120		500 x 800 x 200 [3]	310 x 601 x 180
Degree of protection	IP 66 [1]	IP 66 [1]	IP 66	IP 66	IP 66	IP 66	IP 66
Impact resistance	IK 09 (-25 °C...+35 °C)	IK 09 (-25 °C...+35 °C)	IK 09 (-25 °C...+35 °C)	IK 09 (-25 °C...+35 °C)	IK 09 [2] (-25 °C...+35 °C)	IK 09	7 Nm
Environmental type (UL)	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Continuous operating temperature	N/A	N/A	N/A	N/A	N/A	N/A	-40 °C… +110 °C
Flammability	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Material:

PC = polycarbonate
ABS = acrylonitrile butadiene styrene
GRP = glass reinforced polyester
AL = aluminium
SS = stainless steel, AISI 304
PPMS = polyester painted mild steel

N/A = No information available

[1] Models with two doors IP 55
[2] Models with polycarbonate window IK 07 (-5 °C...+80 °C)
[3] For standard sizes. Cubo X series has scalable dimension:
  • Width (from 150 to 1 000 mm) : W
  • Height (from 150 to 1 500 mm) : H
  • Depth (from 90 to 400 mm) : D

Certificates

Ensto Cubo series	S		D		O		C	W	P	G	R		M	N	E	EO	F	X	H
Material	PC	ABS	PC	ABS	PC	ABS	PC	PC	PC	PC	PC	ABS	GRP	GRP	SS, PPMS	PPMS	SS, PPMS	SS, PPMS	AL
SGS Fimko EN 62208	X	X	X	X	X	X	X	X	X		X	X			X	X	X		
SGS Fimko EN 60439									X										
UL	X		X		X		X	X											
cUL	X		X		X		X	X											
GOST R	X	X	X	X	X	X	X	X	X		X	X			X		X		
Germanischer Lloyd	X		X		X		X								X		X		
DNV 11 ATEX 98909U																		X	
IECEx DNV 11.0005U																		X	

Material:
PC = polycarbonate
ABS = acrylonitrile butadiene styrene
GRP = glass reinforced polyester
AL = aluminium
SS = stainless steel, AISI 304
PPMS = polyester painted mild steel

Certificates:
UL = Underwriters Laboratories, File # E 189312 (USA)
cUL = Underwriters Laboratories, File # E 189312 (Canada)
GOST R = Russia, General Certificate
Germanischer Lloyd = Germany, Category 'A'. Shipping Register

Content of the product packages

Ensto Cubo series	S	D	O	C	W	P	G	M	N	E	EO	F	X	H
Enclosure base	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Cover/door	X	X	X	X	X		X	X	X	X	X	X	X	X
Cover screws	X	X	X	X	X		X	X				X	X****	X
Cover plugs		X¹										X²		
Mounting screws	X	X	X	X	X			X		X	X	X		X
Mounting plate with required nuts										X	X			
Cover plate(s) for flange opening(s), bolts and nuts										X**		X**	X**	
Extension frame + screws			X*	X*	X*									
Accessories for earth connection										X	X	X		
Lock and a key									X	X	X***		X****	

1   Cover plugs for cover screws
2   Cover plugs for mounting holes (and hinge holes)
*   187 mm deep standard enclosures
**   Models with flange openings only
***   Quarter-turn slotted lock, no key
**** Depends on the closer version

Ensto

Ensto is a family business and international cleantech company specializing in the development, manufacture and marketing of electrical systems and supplies for the distribution of electrical power as well as electrical applications. We are committed to lasting sustainable development and our goal is to be the world's leading company in green energy efficiency and distribution. Our products, manufactured in seven different countries, are environmentally friendly, energy efficient and leave a minimum carbon footprint.

Cleantech

Cleantech means all those products, services, processes and technologies which prevent or reduce the impacts of actions harmful to the environment. Cleantech stands for better quality, efficiency and profitability. Ensto and other Finnish cleantech companies are already at the top of the world in several key cleantech sectors.

Facts

- Established in 1958
- Personnel approximately 1600 in Europe and Asia
- Ensto operates in 20 countries
- Turnover 240 M €
- Ensto headquarters are located in Porvoo, Finland

- ■ Ensto business locations
- ■ Other export countries
- ▲ Sales & production
- ● Sales
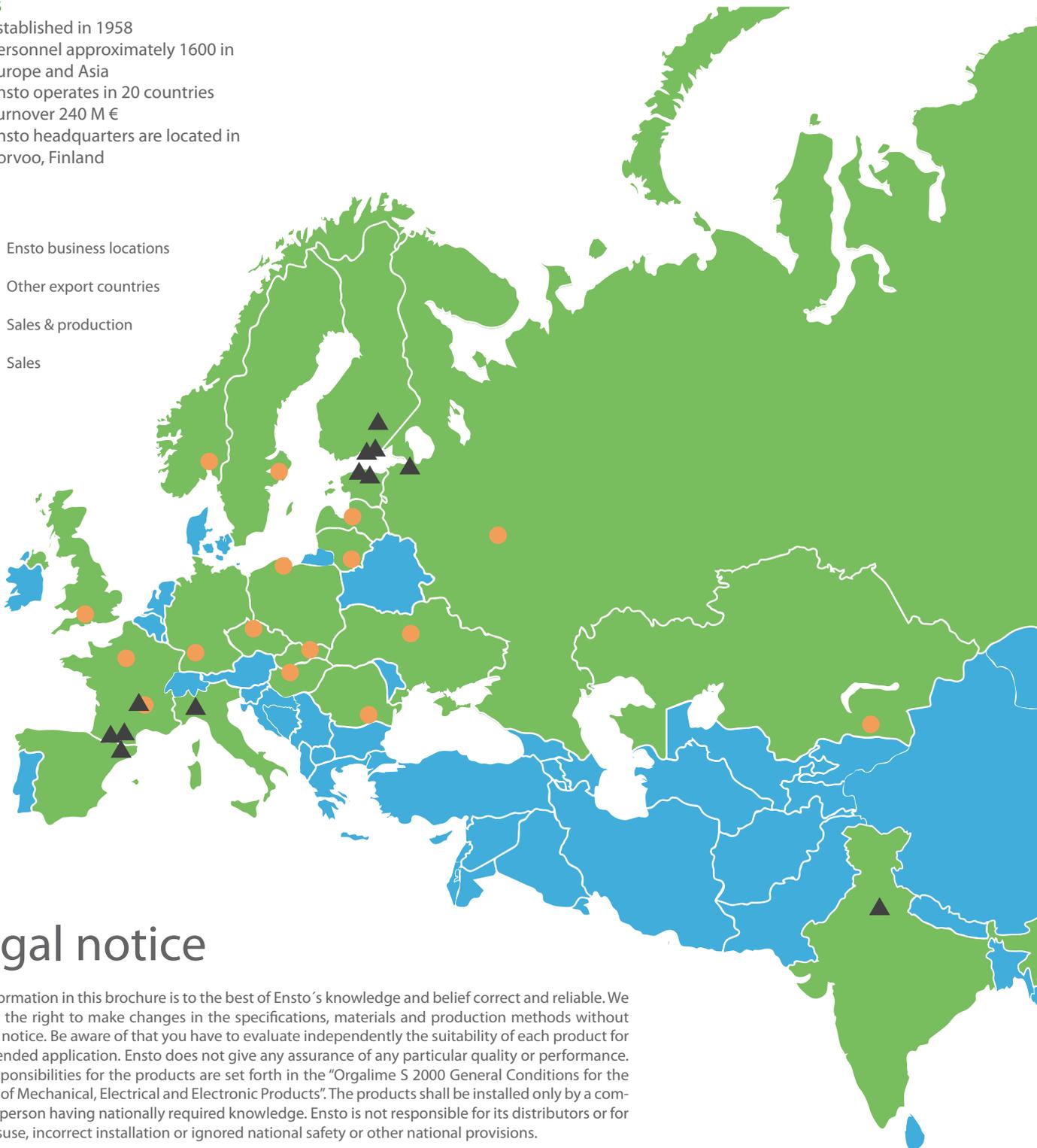
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Saves Your Energy

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