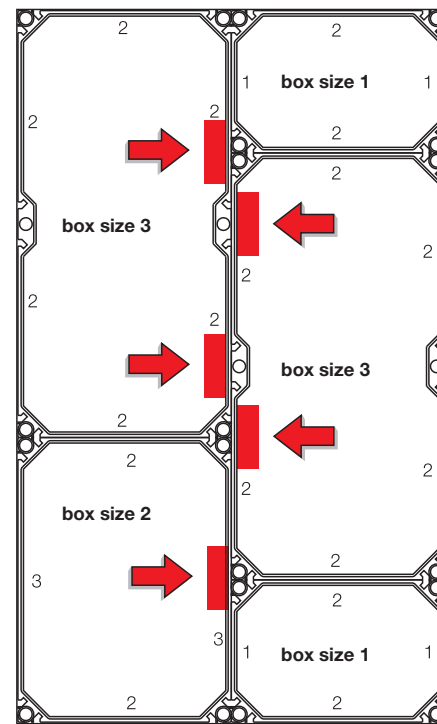
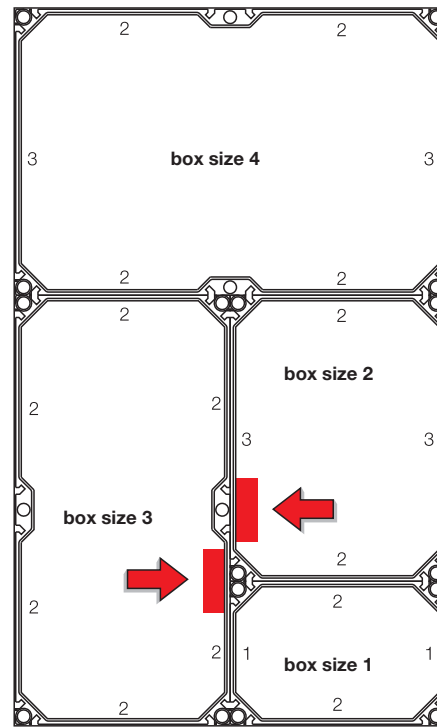
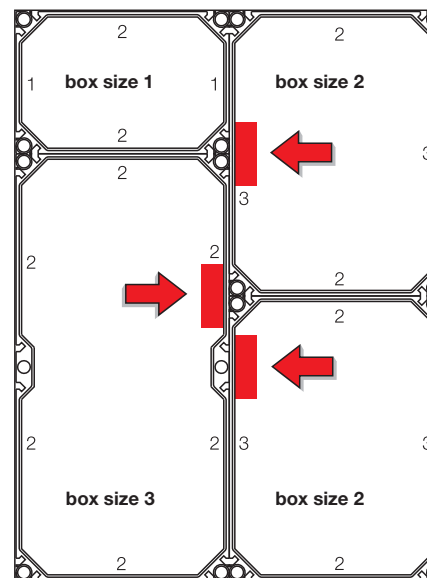
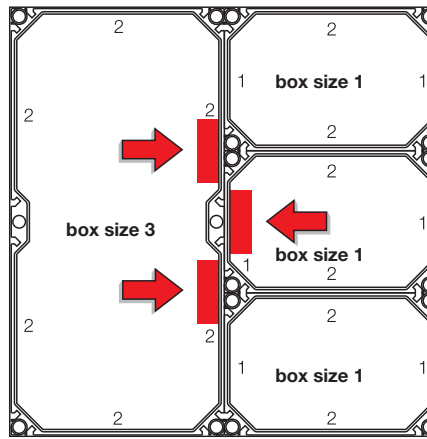
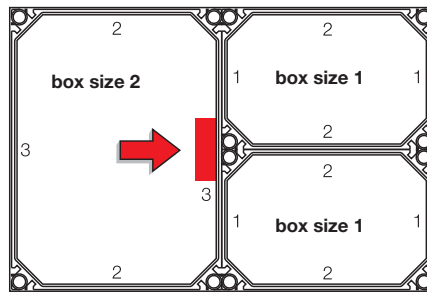


Combination of enclosures
 with connectors and wall
 separators

At this point a wall separator is necessary for the enclosure combination.



Fast assembly and mounting

All necessary gaskets are integral part of the enclosures. The enclosures are interconnected among themselves by easily pushing-in of connectors. No tools are necessary.

Connectors are attached to the enclosures in sufficient number. For reconstruction or extensions of existing distribution boards connectors FP GV 10 (set consists of 10 pieces) can be supplemented.

The connection of enclosures is not only co-ordinated with enclosures of the same size. By means of wall separators also different sized enclosures can be combined.

Wall separators provide for high rigidity and tightness at the connection points of the enclosures, degree of protection IP 66.

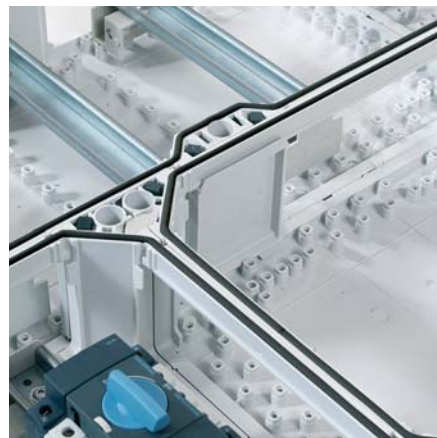
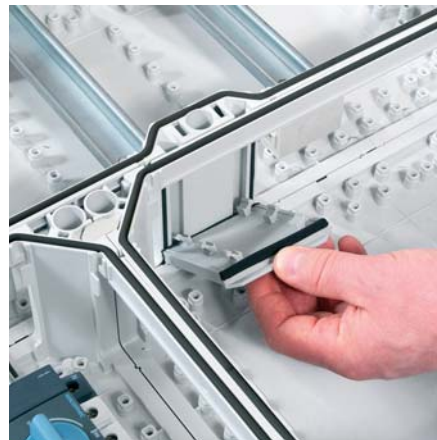
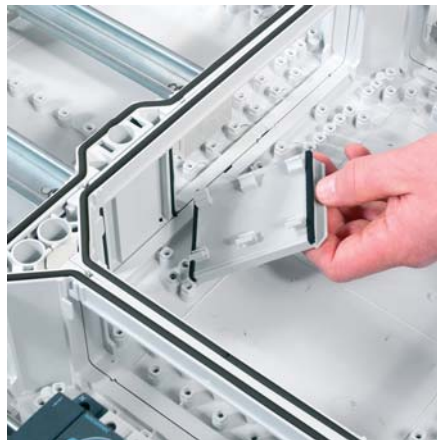
Connection of enclosures

Assemble enclosures by pushing-in enclosed connectors.



Inserting wall separators

Use wall separators to connect different sized enclosure walls.



Closing walls via closing plates

Insert closing plates into openings of outer walls of the distribution board and fix them with enclosure connectors.



Cable entry - opening knockouts in flanges

Knock out the appropriate cable entries within flanges with screwdriver.



Cable glands

Insert cable gland into the appropriate knockout and fasten with lock nut.



Closing of enclosure walls with flanges for cable entry

Insert flanges for cable entry into open outer walls of the distribution board and fix them with enclosure connectors.

A wide range of flanges for the cable entry is available.

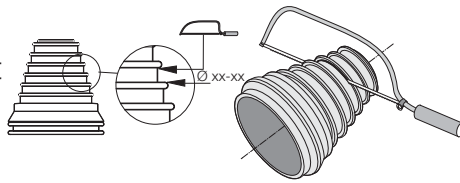


Installation of cable inserts

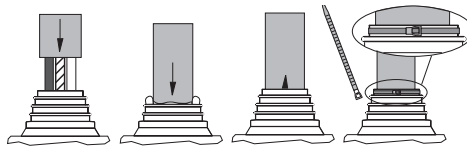
Saw the box fin.
 Afterwards the cable insert is mounted and fixed via enclosure connectors and the rubber entries can be inserted.



Adjust stepped grommet on the cable diameter.



Insert cable and fix it with the cable ties.



Insert the cable into the box from the front.

Box fin

provides an easier wiring across two boxes.

Saw out fin in box wall.

Insert box fin and fix via fixing wedges.



Installation of extension frame

Fix attachments for extension frame in base of enclosure. Place extension frame on base of enclosure and screw it.



Support for protection cover is adjustable in height.



Click protection cover into place depending on the height of the electric devices (height adjustable).



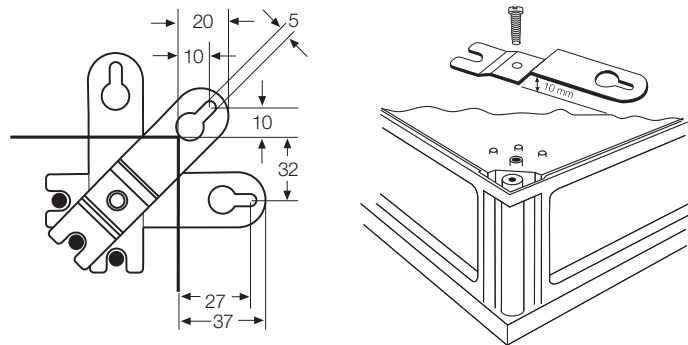
FP ZR ..

Extension frame for extension of the installation depth by 50 mm

External brackets made from stainless steel
 for external box fixing



FP AL 40 (4 pieces)

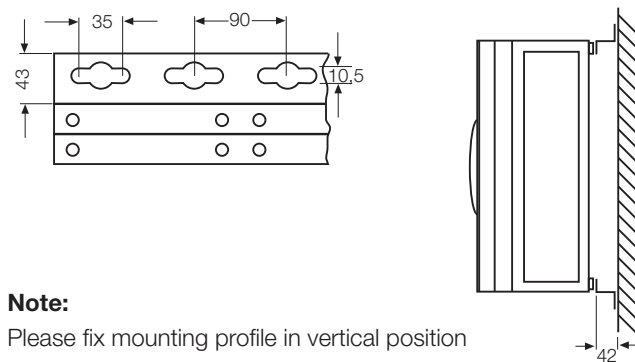


ENYSTAR®
Distribution boards

Mounting profile
 for wall-mounting of
 ENYSTAR distribution boards,
 steel profile,
 length 1980 mm
FP MS 1



Fixing matrix of mounting profile



Note:
 Please fix mounting profile in vertical position
 as possible in order to give occasion to cable
 routing behind the assembly.

For cutting to the required length fix mounting profile
 for example with a clamp to a desk.

Transport
 Regarding transportation it is recommendable to protect the assembly
 against deflection. For that please screw the assembly to a solid timber.

Device installation on mounting plates or DIN rails

Fix installation devices on mounting plate via self-threading screws.

Using screws for fixing mounting plates onto bottom of boxes.



Mount DIN-rails right away on the bottom of bases or via spacers in heights of 29.5 mm or 53.5 mm.



Device installation into covers

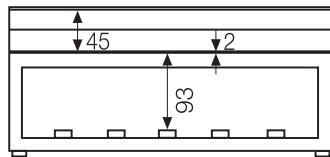
Pre-drill the cut-outs at the corners and saw them out of the cover.

Use a piercing saw with coarse toothed saw blade for plastics. Install device.



Snap cover into door frame from the rear.

Afterwards, screw door-frame with door and cover onto base of enclosure.



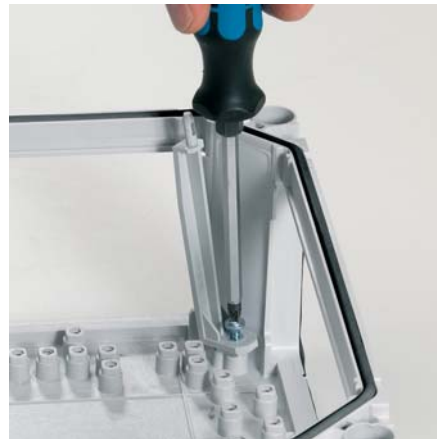
Installation depth for equipment installation in covers

Sealing

For installation in all enclosures except circuit breaker boxes.

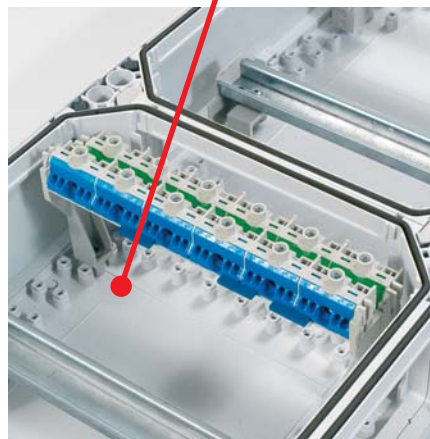
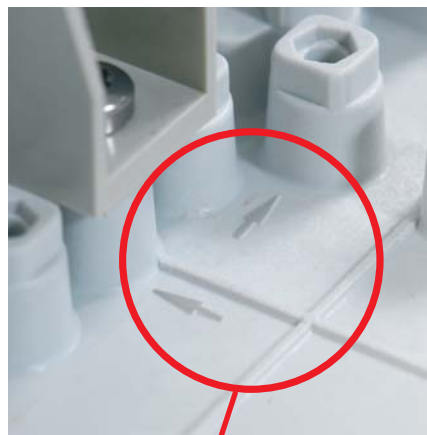
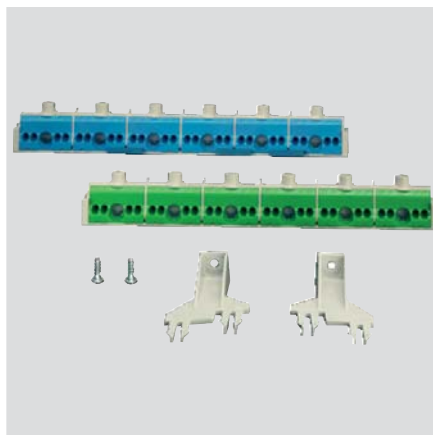
Sealing device is screwed on enclosure bottom.

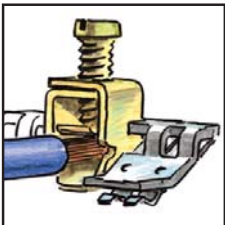

Open pre-moulded opening for sealing device (drill Ø 5 mm) and screw the cover with frame.



Then screw the frame with door and cover onto base of enclosure.
Seal the cover.





Clamping unit	Corresponding cross-sections/copper			
	max. number	from - to max.	max. number	from - to max.
Screw-type terminal 25 mm ²				
	1	25 mm ² , s	1	25 mm ² , f
	1	16 mm ² , s	1	16 mm ² , f
	1	10 mm ² , sol	1	10 mm ² , f
	3	6 mm ² , sol	1	6 mm ² , f
	3	4 mm ² , sol	1	4 mm ² , f
	4	2.5 mm ² , sol	1	2.5 mm ² , f
	4	1.5 mm ² , sol	1	1.5 mm ² , f
		} Tested as connecting terminal for several conductors of the same cross-sections for using in one circuit		
Plug-in terminal 4 mm ²				
	1	1.5 - 4 mm ² , sol	1	1.5 - 4 mm ² , f
			Without end ferrule; clamping unit has to be opened with a tool when conductor is inserted	

Current carrying capacity of the connecting device: 75 A
All terminals are secured against self loosening.