Fiberglass Reinforced Polyester

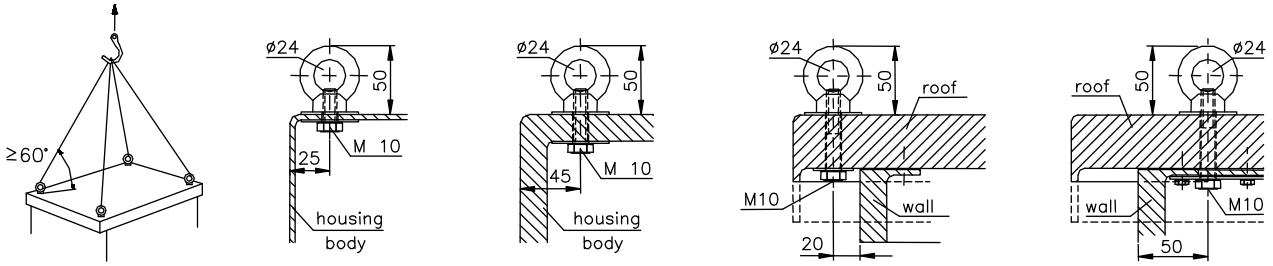
Thermal Conductivity:	k = 0,35 W/m^{2}K sandwich design 80 k = 0,75 W/m^{2}K sandwich design 40 k = 1,2 W/m^{2}K sandwich design 20 mm k = 5 W/m^{2}K single layer design
Specific gravity	1,46 g/cm^3 according to DIN 53479
Flexural strength at rupture	220 N/mm^2 according to DIN 53452
Impact strength	140 KJ/m^2 according to DIN 53453
Notch impact strength	135 KJ/m^2 according to DIN 53453
Compression strength	200 N/mm^2 according to DIN 53454
Dielectric strength (basic polyester)	55 kV/mm according to DIN 53481
Creep resistance (basic polyester)	KC 600 according to DIN 53480
Temperature Resistance (Permanent Resistance):	-60°C to +130°C (higher temperatures on request)
Combustibility:	Glow wire test proved at 700°C according to VDE 0471, Section 2/4.75; Use of B1 materials according to DIN 4102, Part 1 upon request; UL 94-V1 according to UL; other specifications on request
Dimensional Stability Under Heat Stress According to Martens:	200°C according to DIN 53458
Tropical Test Conditions:	According to CEI 68-2-3, resistant against mold and termite damage
UV-Resistance:	Xenotest 1000 hours with classification „stable“
Electrical Surface Resistance:	Standard 10^{12} Ohm; in explosion zone, surface resistance stability according to EN 60079-0 at less than 10^9 Ohm
Decontaminability:	Classification „Excellent“
Waste Utilization:	Household waste

Protection System According to EN 60529

IP 54 for double door swichgear cabinets
Dust Protection: The entry of dust is not completely prevented, however the amount is small enough that a satisfactory operating mode is maintained.
Protection against Water Spray: Water, regardless from which direction it comes in contact with the housing, will not have any damaging effects. No water will enter.

IP 65 for single door swichgear cabinets and protective boxes
Dust tight: No entry of dust
Protection against Water Spouting: Water, regardless from which direction it comes in contact with the housing, will not have any damaging effects. No water will enter.

maximum laden weight



Lifting Eye Bolts
stainless steel

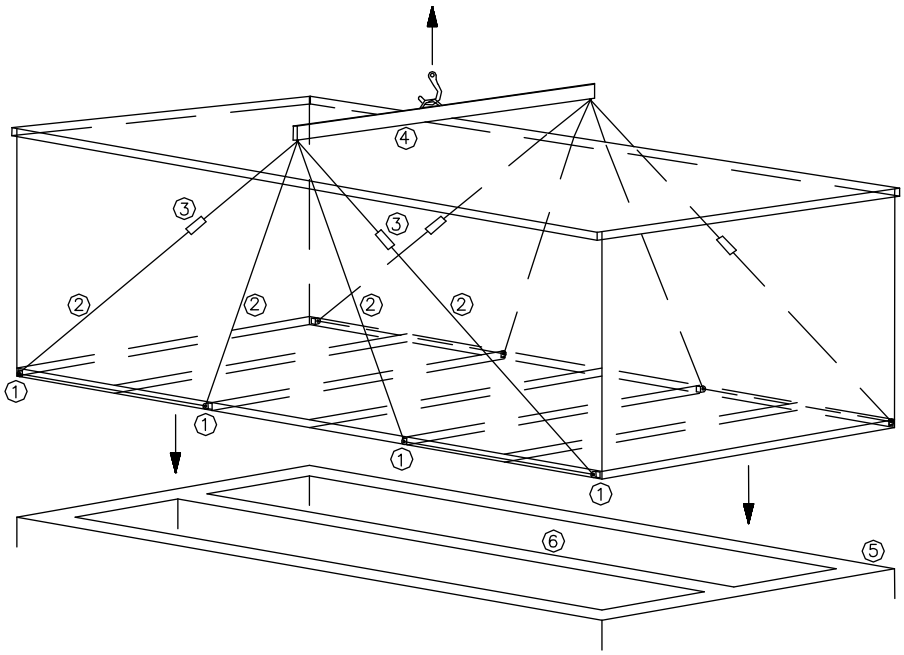
Series PV
max. 100 kg

Series KS
max. 300 kg

Series E, FS
max. 300 kg
max. 800 kg

max. laden weight with 4 lifting eye bolts and 4 strands of lifting rape, as shown.

Series ESK



① = brackets for transport
600 kg per bracket
② = Ropes
③ = tightener
④ = cross beam hook distance:
width of cabinet+ 200 mm
⑤ = foundation
⑥ = cross girder when width
of cabinet is more than 2,50 m

The foundation must be erected by customer and the statics must be adjusted to the local requirement.

All transport-brackets must be taken up by the rope.
Rope must be tightened symmetrical.
Bearing of cabinet base frame on foundation all over.

Advice for transport with fork-lift

In most cases the bottom-frame of t he cabinet has an insulation with PU-foam.
During transport and unloading the cabinet please take care that the insulation doesn`t get damaged by the fork-lift.
The lenght oft he forks must be longer than depth of cabinet, otherwise there is a chance of damage.