

HEKA1VM70

Compact transformer substations rated at 0.4/1kV and 1/0.4kV for transformer output up to 70kVA

Our compact transformer substation, HEKA1VM70, is particularly suitable for the supply of power to isolated consumers, such as those in rural properties, summer houses, facilities on archipelagos, or for anyone involved in winter sporting activities.

The use of 1kV for the transmission line will greatly reduce transfer losses and improve voltage quality.

The transformer substations are equipped with 0.4/1kV and 1/0.4kV dry transformers respectively, both of which have low loss and noise levels.

The use of dry transformers will allow the positioning of the transformer substations in nature conservation areas or water catchment areas.

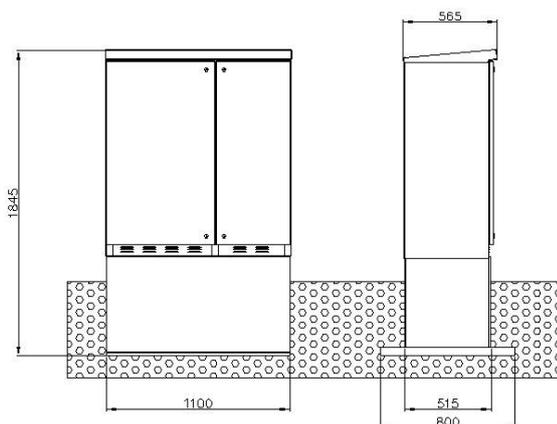


DESIGN FEATURES

The substation enclosure is manufactured out of galvanised steel sheets and has powder-coated paint that is resistant to ultraviolet light. The HEKA1VM70 may be fitted with transformers of 16, 30, 50 or 70kVA output, and can be equipped according to customer requirements. A single 1kV power supply cable with a cross-section of up to 50mm² may be connected to the transformer's primary coil connectors. Up to three outgoing groups with IEC size 00 NH-fuses may be connected to the secondary coils. The rail system is touch-proof (IP20) and is made by Kabeldon or Jean Müller. The cabinet doors can be fixed in the open position. The transformer substation may be mounted on ground sockets or on a post. The post may be fitted with cable protection. As optional extras, the cabinets may be fitted with padlocks, "Stockholm locks", fuses on the primary side, and the option to connect two incoming cables. The enclosure is painted in RAL7032 as standard.

Working temperature	-40°C to +40°C
Primary voltage	1.0kV
Secondary voltage	0.4kV
Transformer output	16, 30, 50 or 70kVA
Conduit system	TN-C
Protection	IP34D, IP20 with open door

Measurements	
- height	1825mm
- width	1100mm
- depth	500mm
- weight	250kg, without transformer



HEKA1VM200

Transformer substations rated at 0.4/1kV and 1/0.4kV for transformer output up to 200kVA

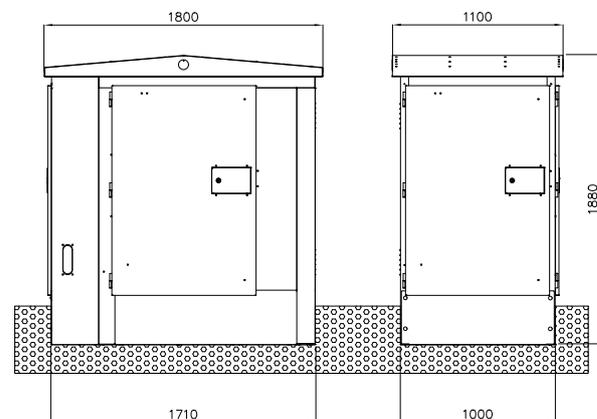
The HEKA1VM200 transformer substation is suitable for applications with outputs of more than 70kVA.



DESIGN FEATURES

The transformer substation is normally equipped with dry transformers of 0.4/1kV or 1/0.4kV respectively. Oil-filled transformers may also be used, and in such cases the substation will be equipped with an oil pan with enough capacity to collect all the oil in the transformer. The substation enclosure is manufactured out of galvanised steel sheets and has powder-coated paint that is resistant to ultraviolet light. The HEKA1VM200 may be equipped with transformers which have output levels up to 200kVA. A single 1kV power supply cable with a cross-section of up to 240mm² may be connected to the transformer's primary coil connectors. Up to five outgoing groups with IEC size 2 NH-fuses may be connected to the secondary coils. The rail system is touch-proof (IP20) and is made by Kabeldon or Jean Müller. All live components are placed in their own sections which come with protective doors. The doors can be fixed in the open position. The unit is painted in RAL7035 as standard.

Working temperature	-40°C to +40°C
Primary voltage	1.0kV
Secondary voltage	0.4kV
Transformer output	Up to 200 kVA
Conduit system	TN-C
Protection	IP23D, IP20 with open door of the low tension compartment
Measurements	
- height	1636mm
- width	1710mm
- depth	1000mm
- weight	370kg, without transformer



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