ORMAZABAL
velatia

Switching nodes

CMS-P

Kiosk Switching Substation

Up to 24 kV

Reliable innovation. Personal solutions.

Description

CMS-P kiosk type switching substations are designed for cable and overhead networks utilized by utilities or industry. Due to small dimensions this substation is an excellent solution for places like housing estates or hard-to-reach localizations not available for heavy construction equipment.

Internal equipment

CMS-P substations are designed to contain Ormazabal's SF_6 gas insulated MV switchgear up to 24 kV.

Safety

Substations are compliant with EU regulations regarding arc protection.

It means that their structure ensures full safety for both servicemen and by-passers in case of fault arching.

These tests have been proved by independent research institutes according to IEC standard as well as requirements of German institutes: IPH and PEHLA. Substations have been certified by Warsaw located "Instytut Energetyki" and approved by "Instytut Techniki Budowlanej"

Adaptation to the environment

Colours and roofs

In order to adjust substations appearance to the surrounding various types of colours and roofs are offered

Transport and installation

Due to small dimensions **CMS-P** substations are transported to destination in one piece, ready for foundation.

For excavation and installation, please ask **Ormazabal** for the necessary technical documentation.

It is the installer's responsibility to calculate and create the external earthing network.

Technical details

CMS-P 110: 110 mm width series

CMS-P 117: 1170 mm width series

CMS-P	110/ 173	117 / 210
Width [mm]	1100	1170
Length [mm]*	1730	2100
Depth [mm]	800	800
Height [mm]	2415	2415
Visible height [mm]	1615	1615
Total weight [t]	3.2	4
Roof weight [t]	0.7	0.9
MV configurations#	2LP 3L	2L2P 4L

(#) According to gas insulated CGMCOSMOS cubicles up to 24 kV.
For other cubicle systems such as GA-GAE up to 24 kV, please consult **Ormazabal**.
Note: For other configurations, please consult **Ormazabal**.
Where:
L = Cubicle / Feeder Function
P = Cubicle / Fuse Protection Function

CMS-P examples

CMS-P 110 / 173

CMS-P 117 / 210

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