



COMPACT STATION voltage up to 6kV

TECHNICAL DATA

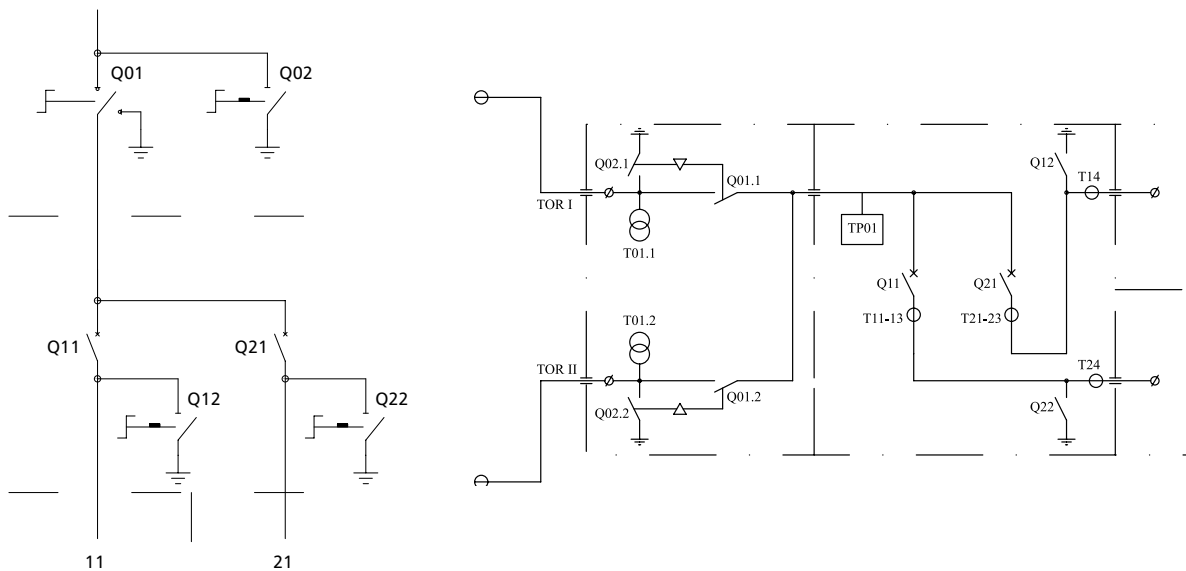
EH-d03-W/6,0/I/03		EH-d03-W/6,0/II/.....	
Itage	7,2kV	Rated contact voltage Ue	6000V AC
Insulation & connecting voltage	6,0 kV	Rated insulation voltage Ui	7200V AC
Rated frequency	50/60Hz	Max working voltage	7200V AC
Rated continuous current	630A	Frequency	50/60Hz
Single outflow continuous current	up to 400A	Rated continuous current Ie	630A
Outflow number	2	Rated continuous current of a single output	400A
Switched-off rated current	20kA	Rated short-circuit current	20kA
1-second borne rated current	25kA	Rated peak, withstand current	50kA
Peak rated current	51kA	Short-circuit power of connected network	100MVA
Max. supplied network short-circuit power	100MVA	Number of power lines	2
Protection grade	IP54	Number of main outputs	2
Weight	~2300kg	Weight	~2600kg

CHARACTERISTICS

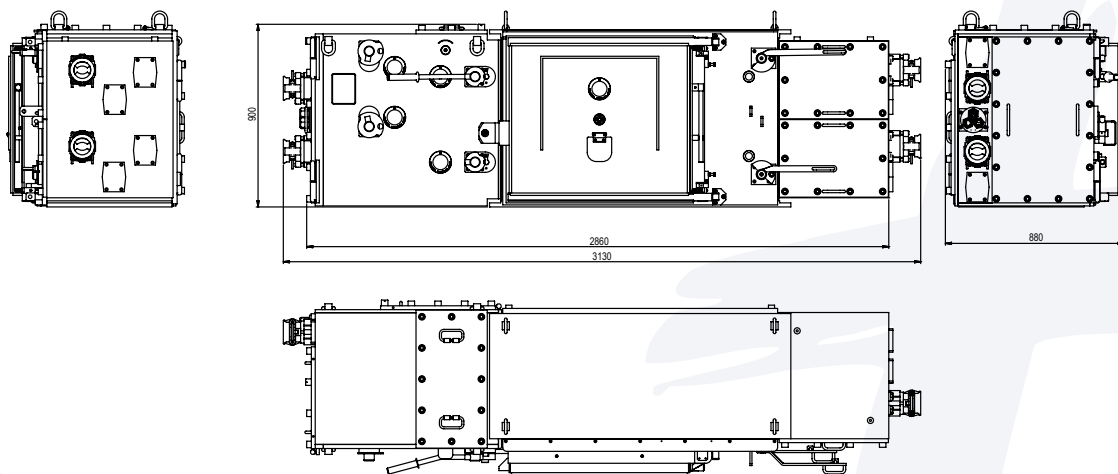
Double-outflow compact unit is an electric connector suitable for mining distribution & division networks, with supply transformer neutral point. The flame-proof unit body is divided to 4 separate flame-proof compartments ensuring possible location of electric equipment observing safe access to dead units. The unit is an anti-explosion structure device and according to Polish Standards and execution rules of Geological & Mining Law it can be installed inside underground excavations of non-methane or methane mines with the methane threat class "a", "b" & "c" as well as with coal-dust explosion hazard class "A" & "B". Applied electric power protections and adopted system for control and co-operation with technological interlocks using spark-safe circuits, shall ensure

safe co-operation with supplied mining devices and/or machines. Standard two-outflow compact unit is equipped with the lead & cable glands enabling choking of the flexible cables and/or leads with the external diameter of $50 \pm 81\text{mm}$. Where necessary it is possible to apply the lead & cable glands with possible choking of the $9 \pm 81\text{mm}$ diameter flexible cables & leads. Due to different power consumption values of the receivers supplied by the two-outflow compact unit, it is possible to apply the required ratio current transformers. Unit structure was developed according to requirements of the 94/9/WE directive (ATEX). Conformity Certificate allows unit application inside rooms with group I, category M2 explosive atmosphere. Possible application of the double-outflow compact unit inside explosive atmosphere rooms as well as other characteristic features are given on its rating plate.

SCHEMES OF EXEMPLARY EQUIPMENT



DIMENSIONAL DRAWING



FAMUR
ELGÓR+HANSEN

— Safety and Power

ul. Opolska 19, 41-500 Chorzów
tel. +48 32 249 94 80, tel./fax +48 32 241 34 57
www.elgorhansen.com