

Technical data sheet

Type FHV-B2-25 - One-pole load break switch with vacuum interrupting chamber

Rated values (definitions and abbreviations according to IEC 62505-2)

Nominal voltage	U_n	kV	25
Rated voltage	U_{Nm}	kV	27.5
Rated frequency	f_r	Hz	50/60
Rated normal current	I_r	A	2'000
Rated short time withstand current	I_k	kA	31.5
Rated peak withstand current	I_p	kA	80
Rated duration of short circuit	t_k	s	3

Withstand values

One minute power frequency withstand voltage (50 Hz, dry and wet)	U_a	kV	95
- A – To earth and between poles			
- B – Across the isolating distance		kV	110
Impulse withstand voltage (1.2/50 μ s)	U_{Ni}	kV	250
- A – To earth and between poles			
- B – Across the isolating distance		kV	290

Making and breaking current

Rated breaking current at power factor 0.7	I_{break}	A	2'000
Rated making current at power factor 0.7	I_{make1}	A	2'000
Short Circuit making current	(5x) I_{ma}	kA	8
Peak making current	I_{ma}	kA	20
Duration of short circuit	t_{k2}	s	0.2

Insulators

Material		silicone
Minimum arcing distance	mm	450
Minimum creepage distance	mm	1'200
Minimum bending breaking load	kN	4

Construction characteristics

Mechanical life	cycles	10'000
Overall dimensions (L x W x H)	m	1.4 x 0.45 x 1.1
Weight (approx.)	kg	89

Available options (not included in basic price)

Two micro-switches for direct status indication (/I)
Silicone insulators with same data as porcelain (/S)
Earth contact (/E)
Pre-Arcing Horns (/V)

The information given in this document are subject to change without notice.