



Elpro

ELVIS ELPRO LOW VOLTAGE INTELLIGENT SWITCHGEAR



Description

ELVIS is a switchgear system further developed by Elpro, featuring functional withdrawable units in a modular design. Based on the Rittal Ri4Power VX25 system, ELVIS offers customers high system availability and operational safety.

The functional principle of the withdrawable technology is based on lateral contact via a contact roller, enabling the straightforward replacement of complete assemblies even under live conditions.

Parameterization and maintenance of the withdrawable units during operation are therefore possible at any time using an adapter cable (data and power supply).

ELVIS is a highly efficient, flexible system suitable for all industrial applications and type-tested in accordance with IEC 61439-2.

Components of the Modular Low-Voltage System

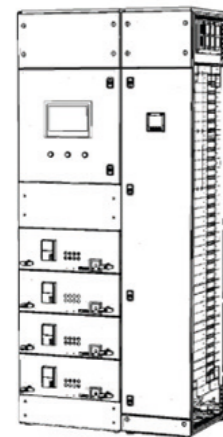
- Automatic transfer between different incoming supplies
- Circuit breaker panels in fixed-mounted, plug-in and/or withdrawable design
- Locally and remotely controllable circuit breakers for incomers, couplings and outgoing feeders
- Outgoing panels for loads according to customer requirements (protected loads / load shedding)
- Connection to monitoring and control networks via an industrial communication bus

System Ratings

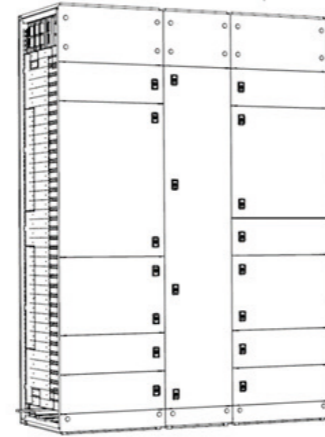
Rated operational voltage	Ue	400 / 230 V AC
Rated current - horizontal busbar	HSS In	5000 A
Rated short-circuit current - horizontal busbar	HSS Ik	70 kA (1s)
Rated peak withstand current - horizontal busbar (HSS)	HSS Ipk	154 kA
Rated current - vertical busbar (VSS)	VSS In	1193 A
Rated short-circuit current - vertical busbar (incoming and outgoing circuits, protective conductor)	VSS Icc	5500 A
Degree of protection		IP 31

Dimensions

(Standard configuration, modular adaptation according to customer requirements)



Incoming section (e.g. withdrawable unit panel)
Dimensions (W × H × D): 1000 × 2200 × 600 mm

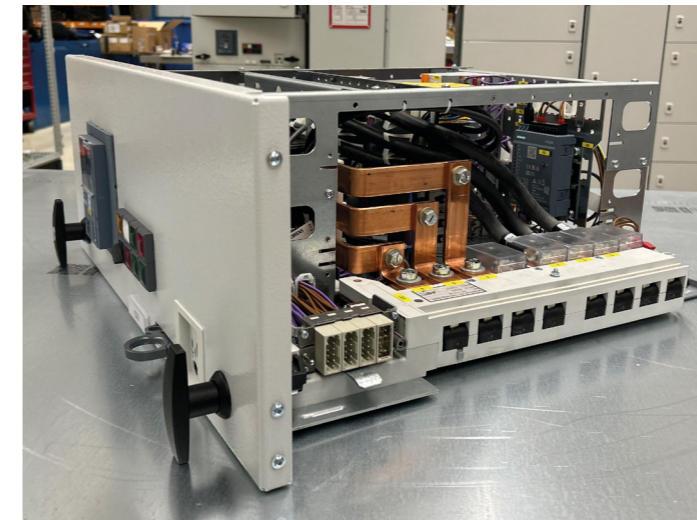


Load / outgoing section (e.g. fixed-mounted panel)
Dimensions (W × H × D): 1600 × 2200 × 600 mm

Withdrawable Unit Ratings

Rated short-circuit current (incoming and outgoing circuits, protective conductor)	VSS Icc	55 kA
Degree of protection		IP 31
Electrical power	PeI	250/160/63 kVA
Circuit breaker types		Siemens (standard) others on request

Dimensions (Withdrawable Units)



Dimensions (W × H): 600 × 225 mm



Dimensions (W × H): 600 × 300 mm

