Medium voltage switchgear and ring main units

Specification template to IEC 62271-200

Fill in what the design has fixed and leave the rest empty. Send the sheet with your request: every open point comes back in one numbered message before any manufacturer sees it.

01 Project

Project or reference		
Site country and postcode		
Quantity units		
Required on site		Date, or week and year
Delivery terms	☐ DAP site ☐ FCA works ☐ Other	Incoterms 2020
Will the network operator adopt it?	☐ Yes ☐ No	If it will, the make must be on the operator's approved list

02 Ratings

Network voltage kV		
Rated voltage Ur	☐ 12 kV ☐ 17.5 kV ☐ 24 kV ☐ 36 kV	The next standard rating above the network voltage
Frequency	☐ 50 Hz ☐ 60 Hz	
Rated current, busbar A		At or above the incomer
Short time withstand current and duration kA / s		From the network operator or the design study, for example 20 kA for 1 s
Internal arc classification		A class with current and duration, for example IAC AFL 20 kA 1 s

03 Configuration

Panels or ways For example two cable switches and one switch fuse for the transformer, or attach the single line diagram		
Insulation medium	☐ Air ☐ Clean or dry air ☐ Solid ☐ Fluorinated gas	Fluorinated gas is prohibited for new installations up to 24 kV from 1 January 2026, with derogations, Regulation (EU) 2024/573 Article 13
Transformer protection	☐ Switch fuse ☐ Circuit breaker with relay	
Protection functions		Relay type and functions. Settings stay with the protection engineer

04 Connections and control

Cable entry	☐ Bottom ☐ Top	Matches the room or plinth
Cable type and size per way		
Motor operation and remote control	☐ None ☐ Prepared ☐ Fitted	If fitted, name the protocol
Auxiliary supply V		

05 Installation

Installation	☐ Switch room ☐ In a compact substation ☐ Outdoor enclosure	
Site altitude m		Above sea level, if over 1000 m
Ambient temperature range °C		
Size and weight limits		Door, room, floor opening or access route

06 Tests and documents

Type test reports required	☐ Dielectric ☐ Short time withstand ☐ Internal arc ☐ Temperature rise	Routine tests to IEC 62271-200 are always included
Witnessed factory acceptance test	☐ Yes ☐ No	
Documents with the offer	☐ Outline drawing ☐ Single line diagram ☐ Type test reports ☐ Declaration of conformity	
Notes and attachments Single line diagram, site drawings, the old nameplate for a replacement		

References: IEC 62271-1:2017+AMD1:2021, IEC 62271-200:2021+AMD1:2024. Regulation (EU) 2024/573, Article 13(9) to 13(12). Examples show the form of an answer; the values for your project come from its design. Free to use and copy.

Send it with your request

- Requests stored in the EU
- Manufacturers get the specification, not your details
- No account, no obligation

daverlan.com/request-a-quote/