

QCL-24

24 kV SF6 Gas-Insulated Switchgear

Compact medium-voltage distribution solution for utility, industrial and infrastructure projects



Configuration image for product-family reference. Final arrangement and supplied appearance follow the approved project documents.

24 kV	630 A	20 / 25 kA · 3 s	SF6 insulated
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Product overview

QCL-24 is a 24 kV SF6 gas-insulated medium-voltage switchgear platform intended for secondary distribution systems. The sealed insulation concept and modular functional units support compact project layouts. Final unit combination, protection scheme, cable interfaces and accessories are selected against the approved single-line diagram and technical specification.

Typical functional units

C	Load-break switch unit for ring-network feeder functions
F	Switch-fuse combination unit; fuse selection follows transformer and protection requirements
V	Vacuum circuit-breaker unit for feeder or transformer protection
PT / metering	Project-configured voltage-transformer or metering functions
Cable / bus	Project-specific incoming, outgoing, sectionalising and bus arrangements

Typical applications

Secondary substations · Utility distribution networks · Industrial plants · Commercial buildings · Infrastructure and EPC projects

Engineering boundary

This datasheet presents the verified product-family range. Cabinet dimensions, internal arrangement, protection logic, cable termination, auxiliary voltage, automation interface and supplied accessories remain project-specific until technical confirmation.

Core technical data

Rated voltage	24 kV
Rated frequency	50 Hz
Rated current	630 A
Switch-fuse unit current	Up to 125 A, subject to fuse and project selection
Rated short-time withstand current	20 / 25 kA, 3 s
Rated peak withstand current	50 / 63 kA
1 min power-frequency withstand voltage	65 kV
Lightning impulse withstand voltage	125 kV
Insulation system	SF6 gas-insulated

Request a project configuration

Send the rated voltage, single-line diagram, feeder quantity, load current, short-circuit level, protection requirements, cable details, auxiliary supply and destination standard. Qiangchi will confirm the applicable configuration before quotation.

Email	sales@zgqci.com
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Values apply to the QCL-24 product-family scope stated above. Final supply is governed by the approved technical agreement, drawings and order documents.