

Product data sheet

Specifications



Secondary Gas Insulated Switchgear, RM6, IC unit, bus coupler by switch disconnecter

RM6000IC

Main

Master Range	SeT Series
Range Of Product	RM6
Product Name	RM6
Number Of Functions	1
Device Short Name	IC
Functional Unit Family	Network coupling
Functional Unit	Switch disconnecter
Type Of Extensibility	DE (double extensible)
Insulation Technology	Gas insulated switchgear
Type Of Insulating Gas	SF6
Number Of Phases	3
Network Type	AC
Type Of Installation	Indoor
Standards	IEC 62271-200:2011
Rated Voltage (Ur)	12 kV 17.5 kV 24 kV
Rated Short-Duration Power Frequency Withstand Voltage (Ud) / Common Value	50 kV
Rated Short-Duration Power Frequency Withstand Voltage (Ud) / Isolating Distance	60 kV
Rated Lightning Impulse Withstand Voltage (Up) / Common Value	125 kV
Rated Lightning Impulse Withstand Voltage (Up) / Across The Isolating Distance	145 kV
Rated Frequency (Fr)	50/60 Hz
Rated Continuous Current Of Busbars (Ir)	400 A 630 A
Rated Short-Circuit Making Current	50 kA 50 Hz 52 kA 60 Hz
Rated Short-Time Withstand Current (Ik)	12.5 kA 16 kA 20 kA 21 kA 25 kA
Rated Duration Of Short-Circuit (Tk)	1 s 3 s

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

Rated Peak Withstand Current (Ip)	50 kA 50 Hz 52 kA 60 Hz
Filling Level For Insulation And/Or Switching (Pre Rel.)	23 kPa
Minimum Functional Level For Insulation And/Or Switching (Pme Rel.)	19 kPa
Loss Of Service Continuity Category	LSC2
Internal Arc Classification	AFL AFLR
Rated Arc Fault Current [Ia]	16 kA 20 kA
Rated Arc Fault Duration [Ta]	1 s
Internal Arc Gas Evacuation	Rear exhaust Rear and bottom exhaust Bottom exhaust
Arc Fault Mitigation Device	Without With arc killer (I)
Partition Class	PM

Complementary

Rated Supply Voltage Of Auxiliary And Control Circuits (Ua)	24/48/60/110/125/220 V DC 120/230 V AC 50/60 Hz
Degrees Of Protection Provided By Enclosures (Ip Code)	IP3X (front face with operating mechanism) IP67 (tank with HV parts)
Degree Of Protection Of Enclosure Against External Mechanical Impacts (Ik Code)	IK07
Voltage Presence Type	VPIS voltage presence indicating system VDS voltage detecting system
Classification For Number Of Mechanical Operations	M1 switch-disconnector M0 earthing switch
Number Of Mechanical Operations	1000 operating cycles switch-disconnector 1000 operating cycles earthing switch
Classification For Electrical Endurance	E3 switch-disconnector E2 earthing switch
Number Of Co Operations At Rated Continuous Current	100
Number Of Operations At Short-Circuit Making Current	5 switch-disconnector 5 earthing switch
Interlocking Type	Mechanical
Type Of Keylock	Flat Tubular
Mass	145 kg
Height	1142 mm
Width	632 mm
Depth	670 mm

Environment

Product Certifications	DNV-GL Marine
Ambient Air Temperature For Operation	-25...40 °C
Ambient Air Temperature For Storage	-40...70 °C

Humidity Conditions	Average relative humidity over 1 month <= 90 %
	Average relative humidity over 24 h <= 95 %
Operating Altitude	<= 1000 m

Sustainability

Green Premium™ label is Schneider Electric's commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO₂ products.

Guide to assessing product sustainability is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

[Learn more about Green Premium >](#)

[Guide to assess a product's sustainability >](#)

Eu Rohs Directive	Not applicable, out of EU RoHS legal scope
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