

Certificate No. R 50579659 0001 **Our Reference** 01-DY-CN23FV6R 001 **Appendix No.** 1

Constructional Data Form for RCBOs EN 61009

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Applicant: **MAXGE ELECTRIC TECHNOLOGY CO.,LTD**
(full address): NO.299 EAST CHANGHONG ROAD DEQING ECONOMIC ZONE, WUKANG DEQING 313200 Zhejiang, P.R. China
Factory : **MAXGE ELECTRIC TECHNOLOGY CO.,LTD**
(full address): NO.299 EAST CHANGHONG ROAD DEQING ECONOMIC ZONE, WUKANG DEQING 313200 Zhejiang, P.R. China
Type or Model Number: **EPRM-63LE, EPRH-63LE; SGRM-63LE, SGRH-63LE**
Kind of device: Residual current operated circuit-breaker with integral overcurrent protection (RCBOs)

Information/rated values for the switching element:

Type Reference	EPRM-63LE, SGRM-63LE	EPRH-63LE, SGRH-63LE
Contact material	Moving Contact: T3Y2 Fixed Contact: AgC4	
Number of poles	1P+N/2P/3P/3P+N/4P	
Current paths (Number of overcurrent protected pole)	1P/2P/3P/4P	
Rated operational voltage Ue	230/240V; 400/415V	
Nature of supply	AC	
Frequency	50 / 60 Hz	
Rated current In	6A, 10A, 13,16A, 20A, 25A, 32A, 40A, 50A, 63A	
Instantaneous tripping current	B/C/D-type	
Adjusting the residual operating current	Single value	
Rated residual operating current IΔn	10mA, 30mA, 100 mA, 300mA,	
Rated short-circuit capacity Icn	6kA	10kA
Rated service short-circuit capacity Ics	6kA	7.5kA
Rated residual making and breaking capacity IΔm	2000 A	
Rated insulation voltage	440V	
Rated impulse withstand voltage	4,0 kV	
Method of operation	Functionally independent of line voltage	
Functionally dependent of line voltage	Not opening automatic (trip in case harzard)	
Type of installation	Fixed installation and fixed wiring	
Resistance to unwanted tripping due to volt. surge	Normal resistance (General type)	
Behaviour in presence of d.c. components	Type AC, Type A	
Time-delay	General type	
Degree of protection	IP20	
Protection against external influence	Unenclosed type	
Method of mounting	Panel Board type (on rail)	
I ² t characteristic (energy limit class)	3	
Range of ambient air temperature	30°C	

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Method of connection	Not associated with mechanical mounting
Overvoltage category	II
Suitability of isolation	Yes
Pollution degree	2

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Terminals /connection:

Type Reference	EPRM-63LE, EPRH-63LE; SGRM-63LE, SGRH-63LE
Number of poles	1P+N/2P/3P/3P+N/4P
Terminal designation	1,3,5,2,4,6, Load; N,
Type of Terminal/% copper	Pillar terminal / - %
Material/plating of the terminals	Zn plated steel
Material/plating of the screw	Zn plated steel
Material/plating of the washer	Zn plated steel
Tightening torque (Nm)	2,0Nm (over 4,7mm up to and including 5,3mm)
Type of conductor	Rigid or flexible
Required preparation of conductor	No
Rigid Conductor size (mm ²)	Min. 1 to 2,5 (< 13 A) ... Max. 10 to 25 (50 - 80 A) mm ²
Flexible Conductor size (mm ²)	Min. 1 to 2,5 (< 13 A) ... Max. 10 to 25 (50 - 80 A) mm ²
Number of conductors per terminal	1

Plastic insulating parts:

Part name	Manufacturer	Material name (particle)	CTI	Flame class	Material Group
Base & Cover	Zhejiang Yongxin New Material Technology Co.,Ltd	PA66	175	GWT: 960°C	IIla
Alternative	MAXGE ELECTRIC TECHNOLOGY CO.,LTD	PA66	175	GWT: 960°C	IIla
Handle	Zhejiang Yongxin New Material Technology Co.,Ltd	PA66	175	GWT: 960°C	IIla
Alternative	MAXGE ELECTRIC TECHNOLOGY CO.,LTD	PA66	175	GWT: 960°C	IIla

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