

PRODUCT CATALOGUE

Engineered for reliability
Optimized for value



APPLICATIONS



RESIDENTIAL



COMMERCIAL



INDUSTRIAL



SOLAR PV SYSTEMS



EV CHARGING

ABOUT SL ELECTRIC



WHY CHOOSE SL ELECTRIC



Reliable

High Quality & Stable Performance



Efficient Solutions

Optimized for Every Application



IEC Standard

Compliant with International Standards



Fast Delivery

On-Time Delivery You Can Trust



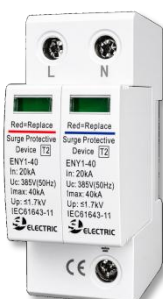
MCB

Miniature Circuit Breaker



RCCB

Residual Current Circuit Breaker



SPD

Surge Protective Device



RCBO

Residual Current Circuit Breaker with Overcurrent



Type B RCCB

Type B Residual Current Circuit Breaker

MCB & RCCB



MCB

Miniature Circuit Breaker

ENB1-63 SERIES

MODEL	ENB1-63
Number of Poles	1P, 2P, 3P
Rated Current In(A)	6, 10, 16, 20, 25, 32, 40, 50, 63A
Rated Voltage Ue(V)	240V/415V
Tripping Characteristic	C Curve
Rated Short-Circuit Breaking Capacity (Icn)	4500, 6000A
Standard	IEC60898



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RCCB

Residual Current Circuit Breaker



ENL5-63 / ENL5-100 SERIES

MODEL	ENL5-63 / ENL5-100 (AC TYPE)
Number of Poles	2P, 4P
Rated Current In(A)	25, 40, 63A, 100A
Rated Voltage Ue(V)	240V/415V
Rated Residual Operating Current	10, 30, 100, 300mA
Rated Conditional Short-Circuit Current (Icn)	6000A
Standard	IEC61008



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RCBO & SPD



RCBO

Residual Current Circuit Breaker with Overcurrent



ENBL1-32 SERIES

MODEL	ENBL1-32
Number of Poles	1P+N
Rated Current In(A)	6, 10, 16, 20, 25, 32A
Rated Voltage Ue(V)	240V
Rated Residual Operating Current	10, 30mA
Making and Breaking Current	6000A
Standard	IEC61009-1



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SPD

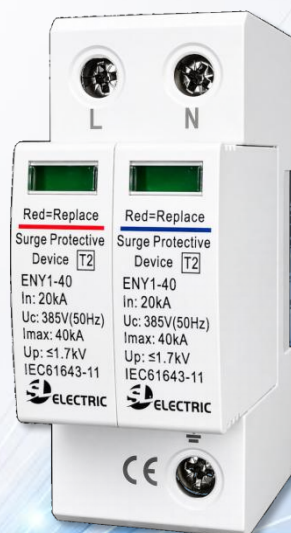
Surge Protective Device

CERTIFIED /
intertek
Total Quality. Assured.



ENY1 SERIES

MODEL	ENY1-20	ENY1-40
Number of Poles	2P, 4P	
Max Continuous Voltage (Uc)	385V	
Nominal Discharge Current (In)	10kA	20kA
Maximum Discharge Current (Imax)	20kA	40kA
Voltage Protection Level (Up)	1.5kV	1.7kV
Response Time	≤25ns	
Standard	IEC61643	



RCCB (Type B)



Type B RCCB

Residual Current Circuit Breaker (Type B)

WHY CHOOSE TYPE B?

TOTAL PROTECTION. TOTAL CONFIDENCE.

MODERN POWER SYSTEMS ARE MORE COMPLEX.

Different types of residual currents require more comprehensive protection.

TYPE B RCCB INTEGRATES AC, PULSATING DC AND SMOOTH DC PROTECTION INTO ONE DEVICE — FOR A SIMPLER, MORE RELIABLE SOLUTION.

KEY REASONS



COMPLETE PROTECTION

Detects AC, pulsating DC and smooth DC residual currents.



PRECISE & RELIABLE

High immunity to nuisance tripping for stable performance.



ONE DEVICE. SIMPLE SOLUTION

Integrates all residual current protection in one device.



FUTURE-READY PROTECTION

Ideal for modern loads with power electronic technologies.



ENHANCED SAFETY

Helps prevent fire risk, equipment damage and electric shock.

COMPARISON AT A GLANCE

TYPE B RCCB



Single Device
Full residual current protection built in.

VS

TYPE A RCCB + RDC-DD



+



Two Device
Requires external DC detection (RDC-DD)

		TYPE B RCCB	TYPE A RCCB + RDC-DD
	Residual Current Coverage	AC + Pulsating DC + Smooth DC	AC + Pulsating DC (Smooth DC detected by RDC-DD)
	System Components	1 Device	2 Devices
	Installation & Setup	Straightforward	Needs coordination
	System Configuration	Integrated (Single Device)	Separate Device (RCCB + RDC-DD)
	Protection Reliability	Self-contained (Independent)	Dependent on RDC-DD (Performance & Coordination)

RCCB (Type B)



Type B RCCB

Residual Current Circuit Breaker (Type B)

ENL5-100 SERIES

MODEL	ENL5-100
Number of Poles	2P, 4P
Rated Current In(A)	25, 40, 63, 80, 100A
Rated Voltage Ue(V)	240V/415V
Rated Residual Operating Current	10 (25, 40A), 30, 100, 300mA
Rated Conditional Short-Circuit Current (Inc)	10,000A
Rated Impulse Withstand Voltage (1.2/50) (Uimp)	4,000V
Type of Protection (Residual Current)	B
Detectable Residual Current Types	AC Pulsating DC Smooth DC
Standard	IEC 61008-1, IEC 62423



PROTECTS AGAINST

MULTIPLE HAZARDS



ELECTRIC SHOCK
PROTECTION



FIRE HAZARD
PREVENTION



EQUIPMENT DAMAGE
PREVENTION



REDUCES RISK
FROM DC RESIDUAL
LEAKAGE

ELECTRIC VEHICLE CHARGING STATIONS



Protects against DC
leakage from EV chargers
and vehicles

SOLAR PV SYSTEMS & INVERTERS



Protects against DC
leakage from PV inverters
and solar installations

BATTERY ENERGY STORAGE SYSTEMS



Protects against DC
leakage from battery
energy storage
systems

VARIABLE SPEED DRIVES & INDUSTRIAL EQUIPMENT



Protects against DC leakage
from VFDs and industrial
equipment

POWERING A SAFER FUTURE TOGETHER

ECOWELL

ALWAYS BE YOUR PARTNER

 **ELECTRIC**

POWERING A SAFER FUTURE TOGETHER

• WHY CHOOSE SL ELECTRIC? •

We are committed to delivering high-quality, reliable and innovative electrical protection solutions for modern installations.

Thank you for your trust in
SL Electric.



SAFE & RELIABLE

Products designed to meet the highest safety standards.



QUALITY ASSURED

Strict quality control and testing to meet international standards.



INNOVATIVE

Modern technology for efficient and smart protection.



SUPPORT YOU CAN TRUST

Dedicated support whenever you need us.