

Miniature Circuit Breaker Type PLSI - 10kA

Protect your loved ones
from electrical hazards
with **Eaton MCBs**



EATON

Powering Business Worldwide

About EAT•N

Eaton's mission is to improve the quality of life and the environment through the use of power management technologies and services. Eaton provides sustainable solutions that help its customers effectively manage electrical and mechanical power – more safely, more efficiently, and more reliably. Eaton's 2022 revenues were \$20.8 billion, and the company sells products to customers in more than 175 countries. Eaton has approximately 85,000 employees. Eaton firstly established a presence in the Asia Pacific region during the 1970s. Since then, the company's presence has grown significantly with a fast-growing network of sales and marketing offices, manufacturing plants, service centers and research facilities in the region.

Today, we have nearly 17,000 employees, 6 R&D centers and manufacture in 34 manufacturing facilities in countries and regions including China, India, Japan, South Korea, Singapore, Indonesia, Thailand, Philippines and Australia for all of Eaton's distinct business.

Eaton Power Quality Private Limited, India is a 100% subsidiary and a part of electrical sector of Eaton Corporation. We are catering to every industrial segment with versatile solutions which includes Switchgear: LV & MV Solutions, Fusegear: LV & MV solutions, UPSs & software solutions.

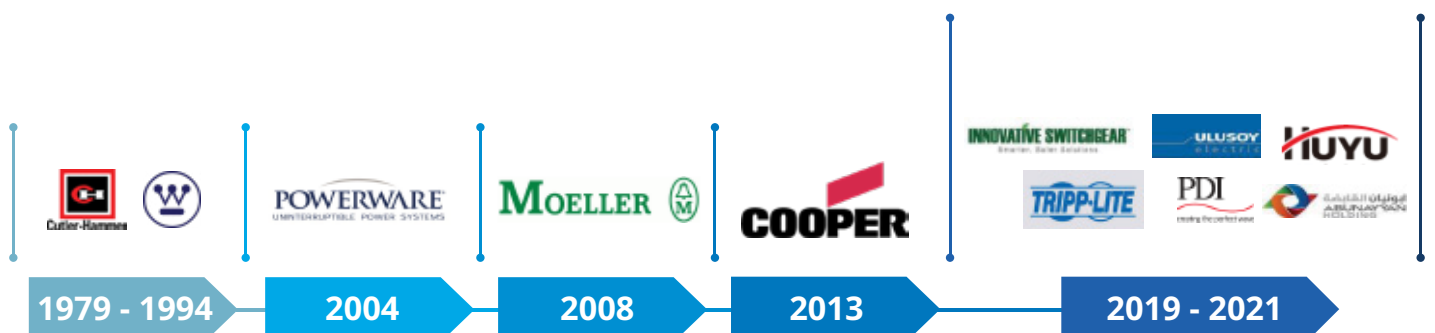
85,000+
employees

\$20.8
BILLION IN
SALES 2022

Operating in
175
countries

100+
years of
experience

**Built our capabilities and expanded through
key acquisitions and partnerships...**



Welcome to the ultimate circuit protection solution

At Eaton, we are committed to provide our customers with the latest and most innovative solutions for their electrical needs. Our newest offering PLSI MCB is a testament to this commitment. With cutting-edge technology and superior performance, the PLSI provides the ultimate circuit protection for any application.



PLSI range of Miniature Circuit Breakers offers **Reliability, Safety and Affordability** bringing complete peace of mind for protecting your loved ones with complete ease of use.

It complies to local and global standards and comes with ISI marking, CE marking as per IS/IEC 60898-1 and EN/IEC 60898-1.

- It's superior aesthetic among its peers makes it stand out from the crowd.
- PLSI Range is most robust and affordable 10kA MCB in the market.
- It is specifically designed keeping "YOU" in mind, i.e. Not only **"Made in India"** but **"Made for India"** too.

PLSI makes the premises safe due to unmatched features like:

- > 10kA breaking capacity
- > Quick break mechanism for faster fault clearance
- > True contact position indicator
- > Suitability for isolation
- > Energy limiting Class 3
- > Anti-weld silver alloy contact material supported by 13 Deion plate Arc-chutes for effective arc-quenching
- > Use of fire retardant engineering plastics

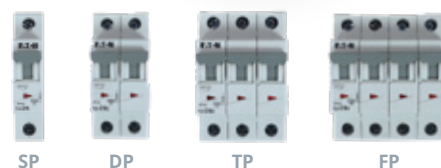
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New benchmark in Quality for highest SAFETY and RELIABILITY.

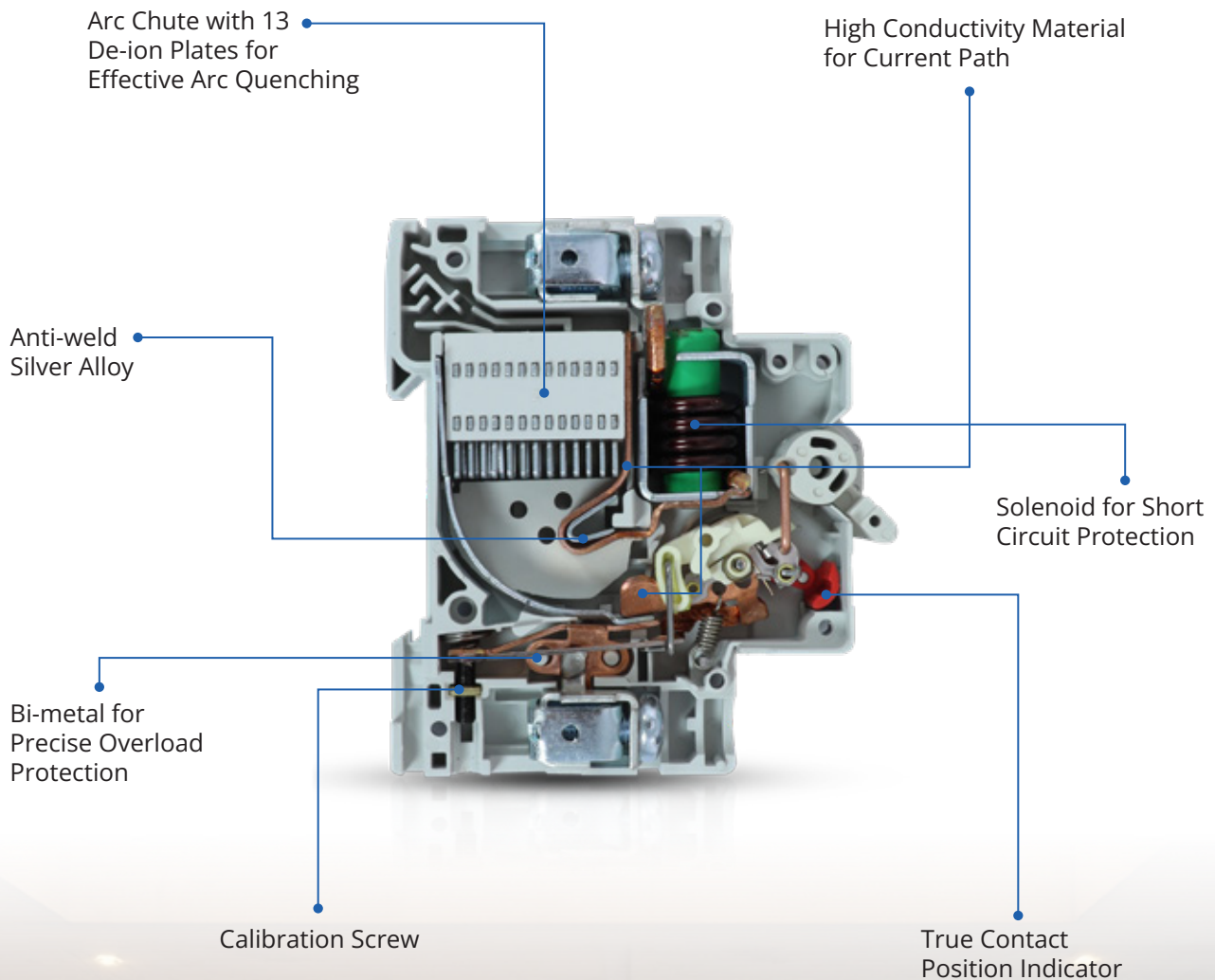
Range				
Model	PLSI			
Applicable Standard	IEC 60898-1			
Pole Combinations	SP	DP	TP	FP
Available Trip Curves	B Curve & C Curve			
Ratings Range	6 - 63 A			
Technical Specifications				
Main Characteristics				
Rated Current I_n	6, 10, 16, 20, 25, 32, 40, 63A			
Rated Operational Voltage U_e	240/415V AC			
Rated Insulation Voltage U_i	660V			
Rated Impulse Withstands Voltage U_{imp}	4kV			
Rated Frequency	50Hz			
Standard Compliance	IS/IEC60898-1, EN/IEC 60898-1			
As per IS/IEC 60898-1, EN/IEC 60898-1				
Energy Limiting Class	Class 3			
Rated Short Circuit Capacity (I_{cn}) kA	10			
Mechanical Durability	10000			
Electrical Durability	4000			
Environment				
Ambient Temperature (°C)	-5 to 50°C			
Relative Humidity	95% RH, No Condensation			
Pollution Degree	II			
Material Group	IIIa			
Protection Characteristics				
Protections	Against overload and short circuit - Thermal / Magnetic			
Reference Calibration Temperature	30°C			
Thermal Tripping Limits	1.13 - 1.45 x I_n			
Magnetic Tripping Limits	B Curve - (3-5) x I_n		C Curve - (5-10) x I_n	
Termination Details				
Screw Size	M5, Combihead Screw			
Tightening Torque	2 Nm			
Type of Terminal	Screw type cage Terminal, Biconnect on both sides, Lug type and Pin type			
Terminal Capacity	Flexible	16 mm ²		
	Rigid	25 mm ²		
Safety Features				
Protection Degree	IP20 - Finger Proofing			
Trip Free	Trip Free Feature			
Suitable for Isolation	Yes			
Form				
Width	17.5mm per pole (+0.3 / -0.1)			
Weights in gms	SP	DP	TP	FP
	98	196	294	392
Mounting	Mounting on 35mm DIN Channel, 2 Position DIN Clamp for easy installation			

Salient Features:

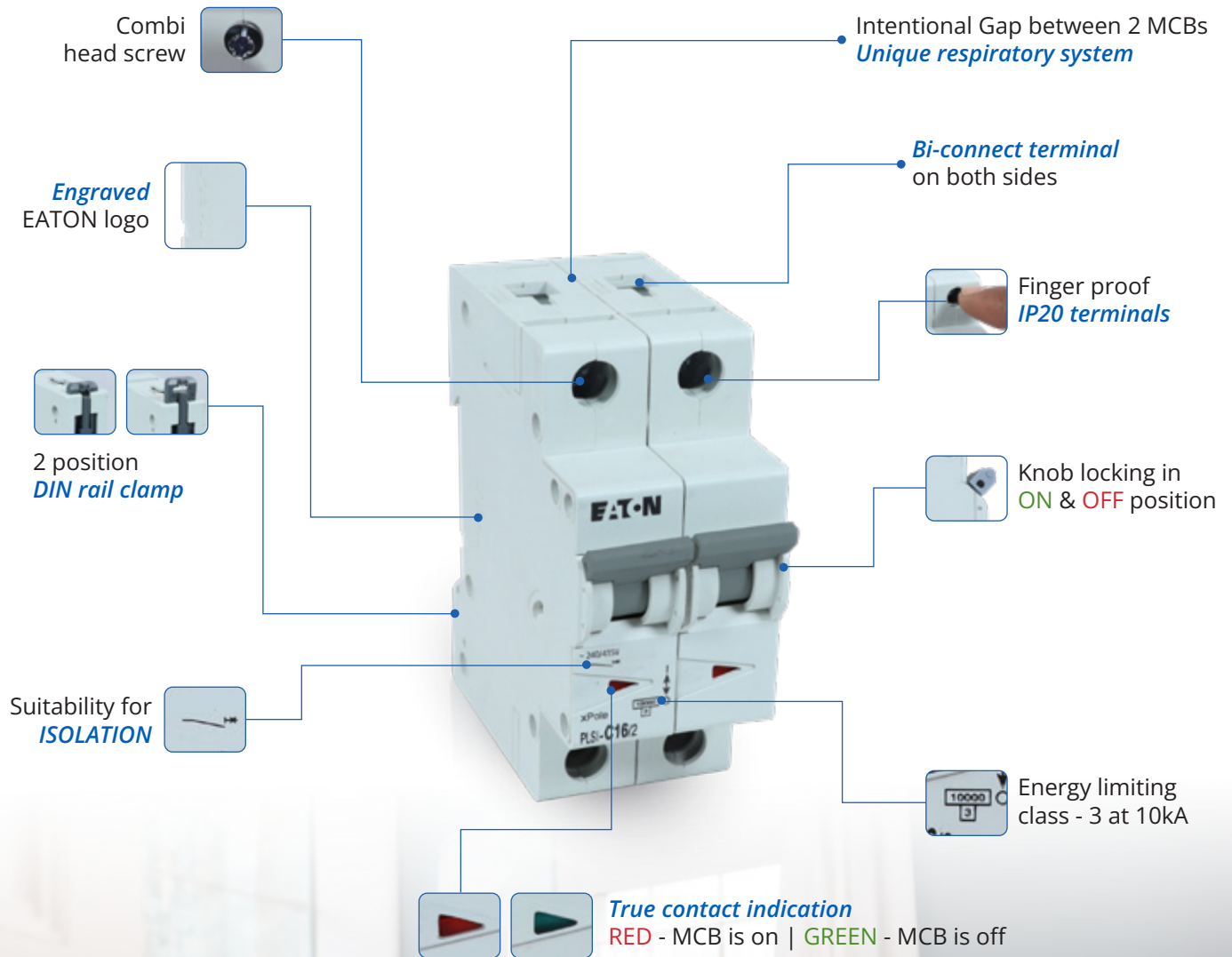
- ISI and CE marking
- Energy limiting class - 3
- True contact position indicator - RED / GREEN
- 2 position DIN rail clamp - easy installation
- Breaking capacity - 10kA - best-in-class



Internal Construction Overview



Front Face Overview



Part Codes

Picture	Poles	Rating	B Curve		C Curve	
			Part Number	Article Number	Part Number	Article Number
	1P	6	EIN-810101	PLSI-B6-GI	EIN-810140	PLSI-C6-GI
		10	EIN-810102	PLSI-B10-GI	EIN-810141	PLSI-C10-GI
		16	EIN-810103	PLSI-B16-GI	EIN-810142	PLSI-C16-GI
		20	EIN-810104	PLSI-B20-GI	EIN-810143	PLSI-C20-GI
		25	EIN-810105	PLSI-B25-GI	EIN-810144	PLSI-C25-GI
		32	EIN-810106	PLSI-B32-GI	EIN-810145	PLSI-C32-GI
		40	EIN-810107	PLSI-B40-GI	EIN-810146	PLSI-C40-GI
	2P	63	EIN-810108	PLSI-B63-GI	EIN-810147	PLSI-C63-GI
		6	EIN-810109	PLSI-B6/2-GI	EIN-810148	PLSI-C6/2-GI
		10	EIN-810110	PLSI-B10/2-GI	EIN-810149	PLSI-C10/2-GI
		16	EIN-810111	PLSI-B16/2-GI	EIN-810150	PLSI-C16/2-GI
		20	EIN-810112	PLSI-B20/2-GI	EIN-810151	PLSI-C20/2-GI
		25	EIN-810113	PLSI-B25/2-GI	EIN-810152	PLSI-C25/2-GI
		32	EIN-810114	PLSI-B32/2-GI	EIN-810153	PLSI-C32/2-GI
	3P	40	EIN-810115	PLSI-B40/2-GI	EIN-810154	PLSI-C40/2-GI
		63	EIN-810116	PLSI-B63/2-GI	EIN-810155	PLSI-C63/2-GI
		6	EIN-810117	PLSI-B6/3-GI	EIN-810156	PLSI-C6/3-GI
		10	EIN-810118	PLSI-B10/3-GI	EIN-810157	PLSI-C10/3-GI
		16	EIN-810119	PLSI-B16/3-GI	EIN-810158	PLSI-C16/3-GI
		20	EIN-810120	PLSI-B20/3-GI	EIN-810159	PLSI-C20/3-GI
		25	EIN-810121	PLSI-B25/3-GI	EIN-810160	PLSI-C25/3-GI
	4P	32	EIN-810122	PLSI-B32/3-GI	EIN-810161	PLSI-C32/3-GI
		40	EIN-810123	PLSI-B40/3-GI	EIN-810162	PLSI-C40/3-GI
		63	EIN-810124	PLSI-B63/3-GI	EIN-810163	PLSI-C63/3-GI
		6	EIN-810125	PLSI-B6/4-GI	EIN-810164	PLSI-C6/4-GI
		10	EIN-810126	PLSI-B10/4-GI	EIN-810165	PLSI-C10/4-GI
		16	EIN-810127	PLSI-B16/4-GI	EIN-810166	PLSI-C16/4-GI
		20	EIN-810128	PLSI-B20/4-GI	EIN-810167	PLSI-C20/4-GI
		25	EIN-810129	PLSI-B25/4-GI	EIN-810168	PLSI-C25/4-GI
		32	EIN-810130	PLSI-B32/4-GI	EIN-810169	PLSI-C32/4-GI
		40	EIN-810131	PLSI-B40/4-GI	EIN-810170	PLSI-C40/4-GI
		63	EIN-810132	PLSI-B63/4-GI	EIN-810171	PLSI-C63/4-GI



12 Acres World - class Manufacturing Facility in Pondicherry



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* Product information & specification are subject to change due to continuous product evolution. For latest information please contact Eaton sales office.