

SMC Multi-Purpose Meter Enclosure

Flexible meter accommodation and durable protection for demanding residential and small-commercial installations.



SMART ENERGY. CONNECTED FUTURE.

MULTI-PURPOSE METER ENCLOSURE

Strong Protection. Flexible Application. Built to Last.



Compatible with
Single Phase and Three Phase Meters



HIGH IMPACT RESISTANCE
IK10+ impact protection
Built for extreme conditions



IP54 OUTDOOR PROTECTION
Reliable protection against
dust and water splashes



HIGH QUALITY MATERIAL
SMC (Sheet Molding Compound)
Glass Fiber Reinforced
Polyester



UV & FLAME RETARDANT
Excellent UV resistance
and flame retardant
performance



LONG SERVICE LIFE
Durable and corrosion resistant
service life over 20 years



FLEXIBLE APPLICATION
Suitable for residential,
commercial and industrial
applications



IK10+
Impact Protection



UV Resistant



Flame Retardant



IP54 Outdoor



20+ Years
Service Life



IEC 62262
Degrees of protection provided by enclosures
for electrical equipment against external
mechanical impacts



IEC 60439-1
Low-voltage switchgear
and controlgear assemblies



IEC 60695-2
Fire hazard testing
Part 2: Glowing/hot-wire
flammability test methods

MODEL LRT-C2PDIN4-1

SMC ENCLOSURE

IP54 · IK10+

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PRODUCT OVERVIEW

Protection engineered for utility installations.

A high-strength Sheet Molding Compound enclosure designed for flexible meter layouts. It accommodates one three-phase smart meter or up to four DIN-rail meters and provides UV, corrosion and flame-retardant performance for long-term outdoor use.

IK10+ IMPACT PROTECTION

Heavy-duty product configuration for demanding field conditions.

IP54 OUTDOOR PROTECTION

Protection against dust and water splashes for outdoor installation.

FLEXIBLE METER LAYOUTS

Supports one three-phase meter or up to four DIN-rail meters.

UV & CORROSION RESISTANCE

Glass-fiber-reinforced polyester supports long outdoor service.

FLAME-RETARDANT MATERIAL

Self-extinguishing performance specified at 960°C.

LONG SERVICE LIFE

Design lifetime of at least 20 years under specified conditions.

APPLICATION & CONFIGURATION

Flexible capacity for single- or three-phase projects.

- One smart three-phase energy meter
- Or up to four DIN-rail meters
- Residential and small-commercial distribution
- Two bottom cable openings, 38.5 mm
- One to four configurable mounting trays
- Triangular lock screw and seal provision

Applicable standards

IEC 60529 · IEC 62262 · IEC 60439-1 · IEC 60695-2 · IEC 707 · IEC 947 · ISO 14782

Essential specifications.

PARAMETER	SPECIFICATION
Reference model	LRT-C2PDIN4-1
Meter capacity	1 × three-phase meter or up to 4 × DIN-rail meters
Material	Sheet Molding Compound (SMC), glass-fiber-reinforced polyester
Ingress protection	IP54
Impact protection	IK10+ product configuration
Rated voltage	400 V
Phase configuration	Single-phase or three-phase
Rated frequency	50 Hz
Dielectric strength	5 kV
Flame-retardant performance	Self-extinguishing at 960°C
Operating temperature	−25°C to +55°C
Limit operating temperature	−25°C to +70°C
Storage / transport	−40°C to +70°C
Relative humidity	Up to 95%, non-condensing
Cable openings	2 × bottom openings, 38.5 mm
Approx. dimensions	630 × 304 mm; depth 160 / 169 mm
Design lifetime	≥20 years

PROJECT NOTE

Dimensions and configurations shown are based on the referenced product model. Final openings, mounting trays, seals and accessories can be confirmed for each project requirement.