

PC+GF Single-Phase Meter Enclosure

Clear visibility, outdoor durability and secure protection for residential and small-commercial metering.



SINGLE PHASE METER ENCLOSURE

Reliable Protection. Clear Visibility. Built for Outdoor.

-  **DURABLE & IMPACT RESISTANT**
IK09 impact protection
According to IEC 62262
-  **WATERPROOF & OUTDOOR READY**
IP55 protection level
Reliable performance in harsh environments
-  **UV RESISTANT & FLAME RETARDANT**
Glass Fiber Reinforced Polycarbonate
Excellent UV resistance and flame retardancy
-  **CLEAR VISIBILITY**
Transparent windows for
easy meter reading and inspection



COMPLIANT WITH INTERNATIONAL STANDARDS

 IEC 62262	 IEC 60439-1	 IEC 60695-2	 IK09 Impact Protection	 IP55 Outdoor Protection	 UV Resistant	 Flame Retardant
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MODEL LRT-C1PDIN1-1

PC+GF ENCLOSURE

IP55 · IK09

PRODUCT OVERVIEW

Protection engineered for utility installations.

A compact enclosure designed for one smart single-phase energy meter. Glass-fiber-reinforced polycarbonate construction combines impact resistance, UV stability and flame-retardant performance, while transparent windows support convenient reading and inspection.

IP55 OUTDOOR PROTECTION

Protection against dust and water for dependable field installation.

IK09 IMPACT RESISTANCE

Robust enclosure construction in accordance with IEC 62262.

UV & CORROSION RESISTANCE

PC+GF housing with UV additives supports long outdoor service.

FLAME-RETARDANT MATERIAL

Self-extinguishing performance specified at 960°C.

CLEAR VISIBILITY

Transparent windows allow meter reading and visual inspection.

LONG SERVICE LIFE

Design lifetime of at least 20 years under specified conditions.

APPLICATION & CONFIGURATION

One secure enclosure for a single-phase meter.

- Residential and small-commercial metering
- One smart single-phase energy meter
- Mounting arrangement supports different meter types
- Two bottom cable openings, 30 mm
- Triangular lock screw and seal provision
- Transparent upper and lower inspection windows

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-C1PDIN1-1
Meter capacity	1 × smart single-phase meter
Material	Glass-fiber-reinforced polycarbonate (PC+GF)
Ingress protection	IP55
Impact protection	IK09
Rated voltage / current	400 V / 100 A
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, 30 mm
Approx. dimensions	397 × 182 mm; depth 118.2 / 95.5 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.