



## Energy Division

# Three-phase DIN-rail KWh Energy Meters

### DRK-3PCT-415-LCD

#### Three-phase 400V CT Connection 5A, Pulse Output, 3 or 4-wire System

This four DIN module kWh energy meter measures the real consumption of active energy. The meter has the highest accuracy Class 2 with easy wiring, back illuminated LCD display, non-zeroing total counter and zeroing partial counter and is operated via a internal current transformer with pulsed output optically isolated from the power supply and load.

#### Specifications

Active energy accuracy	Class 2
Input frequency	50/60Hz
Nominal input voltage	400V L-L (230 L-N)
Input voltage tolerance	-15% to + 10% nominal
Normal input voltage burden	< 2.5VA
Nominal input current	5A
Minimum start-up current	15mA
Max continuous input current	6A
Nominal input current	< 2.5VA
Current measurement	Internal current transformer
System CT ratios	5,10,25,50,75,100,125,150,200,250,300,400,500,600,800, 1000A
Pulsed output	Opto-isolated, open collector type
Pulsed voltage	9-24V dc +/-10% (switchable O/P current 20mA max.)
Pulse duration	100 milliseconds +/-15%
Pulsed frequency	1 per 0.1 kWh
Display	LCD 7 + 5 digits
Reading resolution	1 kWh
LED indicator display	Green - power supply Red - active power consumption @ 1 beat per _ kWh Yellow - wrong connection
Enclosure material	Class V-0 in accordance with UL94
Compliant with	IEC EN 61010-1, IEC EN 61036, EMC and LVD
Operating temperature	-10°C to +45°C
Storage temperature	-25°C to +70°C
Relative humidity	10 - 90% non -condensing
Dimensions	4 x DIN modules wide x 87mm high
IP protection	IP51 at front, IP20 at rear

#### Features

- Class 2 accuracy
- Pulsed output (Opto)
- LCD display
- Non-zeroing total counter
- Active energy consumption indicator
- 4 DIN module format
- Also available as a mechanical counter

#### Benefits

- Energy efficiency and awareness
- High accuracy
- Balanced and safe systems
- No maintenance

#### Applications

- Switchgear
- Distribution systems
- Generator sets
- Control panels
- Energy management
- Building management
- Utility power monitoring
- Process control
- Secondary metering

#### Approvals

- IEC EN62052-11
- IEC EN62053-21
- EMC and LVD

#### Product Codes

Description	Cat. no.
3-Phase 230 (400)V AC - CT Connected 5A, pulsed output, 3 or 4 wire	DRK-3PCT-415-LCD