

SPACE SAVING* KWh Meters now rated up to 100 Amps!



Energy Division

Direct Connection Kilowatt Hour Energy Meters

Direct connected energy meters, where the load cable passes vertically through the case/housing, offer the highest accuracy class (1) with easy wiring and measurement of real consumption of active energy.

Equipped with illuminated LCD display, non-zeroing total counter and partial zeroing counter, this module supports energy efficiency and awareness whilst ensuring systems remain balanced and safe.

Specifications

Active energy accuracy	Class 1 in accordance with CEI-EN 62053-21 standard
Input frequency	50 - 60Hz
Nominal input voltage	3 x 230V ac L-N (400V L-L)
Input voltage tolerance	-15% to +10% of nominal voltage
Burden	< 2.5VA
Max input current	100A
Pulsed output	Opto-isolated, open collector type
Pulsed voltage	9-24V dc \pm 10% (switchable O/P current 20mA max)
Pulsed duration	100 milliseconds \pm 15%
Pulsed frequency	1 per 0.1 kWh
Display	LCD 7 + 5-digit
Reading resolution	0.1 kWh from 0000000.0kWh - 999999.9kWh 1 kWh from 1000000kWh to 9999999kWh (Automatic)
LED indicator display	Green - power supply Red - flashing @ 10kWh Yellow - indicates wrong connection
Enclosure material	Grey RAL 7035 class V-0 in accordance with UL94
Compliant with	IEC EN62052-11, IEC EN62053-21 (2003-03) EMC and LVD
Operating temperature	-10°C to +45°C
Storage temperature	-25°C to +70°C
Relative humidity	10% - 90%, non-condensing
Dimensions	7 x DIN modules wide 125.7mm x 87mm high
IP protection	IP51 at front, IP20 at rear

Product Codes

Description	Cat. no.
3-phase 230V L-N (400V L-L) - 100A direct connected, pulsed output (Opto)	DRK-3P-400-D100

*Direct Connection KWh Meters have integral CTs up to 100 Amps.

Features

- Class 1 accuracy
- Direct connected 100A
- Pulsed output (Opto)
- LCD display
- Non-zeroing total counter
- Active energy consumption indication
- 7 DIN module format

Benefits

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

 **Tyco Electronics**

Our commitment. Your advantage.