


Three-phase energy meter DSZ60D  
with display and MID approval

Only skilled electricians may install this electrical equipment otherwise there is the risk of fire or electric shock!

Temperature at mounting location: -25°C up to +55°C.  
Storage temperature: -25°C up to +70°C.  
Relative humidity: annual average value <75%.

Maximum current 3x100A, Standby loss 0.5 watt per path.  
Three-phase energy meter for 3-point energy meter mounting.  
Accuracy class B.  
**Can serially also be used as a 2 tariff energy meter:** By applying 230V to terminals 13/15 it will be switched to a second tariff.  
This directly measuring three-phase energy meter measures active energy by means of the current between input and output. The internal power consumption of 0.5 watt active power per path is neither metered nor indicated. The signal in the display changes every 10 seconds from the total active energy to active energy T1 (HT) and active energy T2 (NT).  
1, 2 or 3 phase conductors with max. currents up to 100A can be connected. The inrush current is 20mA.  
The N terminal must always be connected.  
LC display with 7 digits, therefrom 1 digit after the decimal point.  
Power consumption is shown by a red LED flashing at a rate of 1000 times per kWh.  
Permanent light: halt; light off: free of tension.

Technical Data	
Rated voltage	3x230/400V, 50Hz, -20%/+15%
Reference current $I_{ref}$ (Limiting current $I_{max}$ )	3x5 (100)A
Internal consumption active power	0.5W per path
Reading active power	LC display with 7 digits therefrom 1 decimal digit
Accuracy class ±1%	B
Inrush current	20mA
Number of tariffs	2
Ambient temperature limits	-25/+55°C
Protection degree	IP51
Maximum conductor cross section	35mm²
EC type examination certificate	DE MTP 15 B 001 MI-003
Mechanical environmental conditions	class M1

EC DECLARATION OF CONFORMITY	
File name	FQKZ042-Reallin
Product	Three-phase energy meter with display, MID approval
Type designation	DSZ60D ( TH620.120 )
EC type examination certificate	DE MTP 15 B 001 MI-003
The manufacturer herewith declares, on his own responsibility that the designated products which this certificate refers to, are in accordance with the following harmonized standards or normative documents as well as with the following Directives of the European Parliament and of the Council ( relevant version ):	
DIN EN 50470	parts 1 and 3 : May 2007 ( electronic meters )
2014 / 32 / EU	measuring instruments
2014 / 30 / EU	electromagnetic compatibility ( EMC Directive )
2011 / 65 / EU	restriction of the use of certain hazardous substances ( RoHS Directive )
The designated products are placed on the market by ELTAKO GmbH, Hofener Straße 54, D-70736 Fellbach.	
Notified body	IMQ ISTITUTO ITALIANO DEL MARCHIO DI QUALITÀ S.P.A., No. 0051 Via Quintiliano 43 , I-20138 Milan
Manufacturer	Zhejiang Reallin Electron Co., Ltd. No.8 Shuangyang Rd, JiuLong village, Renhe town, Yuhang dist., Hangzhou City, Zhejiang Province, 311107 China
Place, Date	Hangzhou City, 15 March 2016
Signature	
This declaration proves the compliance with the above-mentioned EC Directives but it does not include any assurance of properties. Security advices of the provided product information have to be noticed.	

Must be kept for later use!

Eltako GmbH  
D-70736 Fellbach  
**Technical Support English:**  
 Michael Thünte +49 176 13582514  
 thünte@eltako.de  
 Marc Peter +49 173 3180368  
 marc.peter@eltako.de  
eltako.com