

Load monitor HPL500

with calculation of shaft power



HPL500 is introduced as successor for the HPL400 family, which now has been on the market for 20 years. Therefore focus has been on integrating the functionality of the HPL400 family as well as making the HPL500 applicable for voltages all over the world.

HPL500 immediately replaces the following HPL modules: 110, 403, 410, 420, 425 and 426.

Possible extra features could be external supply and MODbus communication.

- * Universal power supply
 - Single phase from 1x100Vac to 1x400Vac
 - Three phase from 3x100Vac to 3x575Vac
- * Supply voltage = Measuring voltage
- * Large current range
 - Up to 40A without using external CT
 - 8 internal ranges from 0.5A to 40A
- * Can calculate shaft power
- * 2 independent limits
- * Analogue output 0(4)-20mA

Technical data

Mechanical

Housing: Makrolon UL94V-1 (housing)
 Makrolon UL94V-2 (connector)
 Mounting: 35 mm DIN rail or wall mounting
 IP class: Housing IP40
 Connector IP20
 Internal CT: Max 8mm cable diameter
 Temp. range: -15 to +50 °C
 Weight: 250 g
 Dimensions: D 75 x W 56 x H 110 mm

Electrical

Supply/Measuring range: 1 x 100 to 1 x 400V~
 3 x 100 to 3 x 575V~
 Current range: Internal max 40 Aac
 External N/1 or N/5 Aac
 Frequency range: 50/60 Hz
 Consumption: 3 VA
 Relay output: 250Vac/5Aac
 Analogue output: 0(4)-20 mA, max 400Ω
 CE mark to: EN61000-6-2, EN61000-6-3,
 EN61010-1

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