

VEW LT500S RED

Current transformer

Redesign

The current transformer LT500S made by the manufacturer LEM can be completely replaced in terms of dimensions, function and connection through the redesign VEW LT500S RED.

The housing is made of polyamide for railway requirements, conforms to EN50155 and UL94-V0 and fulfills the fire protection class for railway standards.

The current transformer VEW LT500S RED is suitable for the galvanically isolated measurement of DC, AC and pulse currents in the range of 0 ... 500A and up to 0 ... $\pm 1200A$. The measuring range depends on the supply voltage and the secondary resistance stood R_M of the measuring circle.

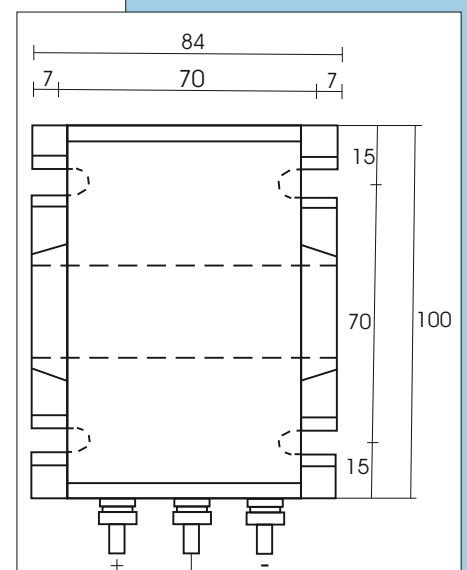
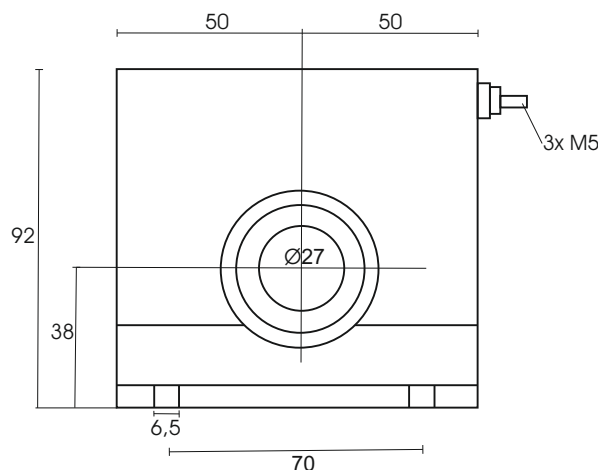
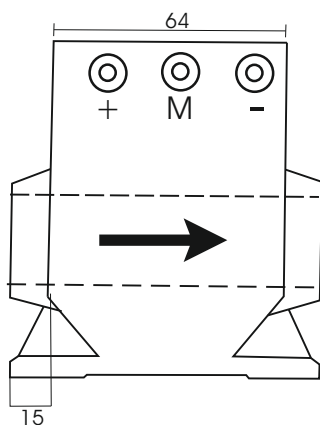
R_M = "measuring resistance"

Supply

	R_M
$\pm 15V$ measuring range $\pm 500A_{max}$	0...30 Ω
$\pm 15V$ measuring range $\pm 900A_{max}$	0... 8 Ω
$\pm 24V$ measuring range $\pm 500A_{max}$	10...60 Ω
$\pm 24V$ measuring range $\pm 1200A_{max}$	10...17 Ω

The transfer ratio K_N is 1 : 2000.

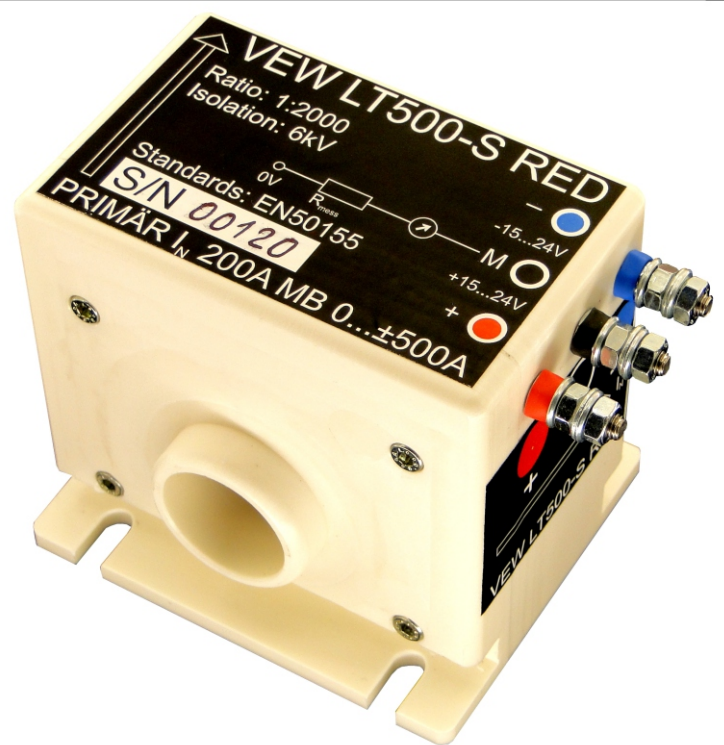
The primary / secondary insulation voltage is > 6kV.



Sample available from stock.

Technical data:

Supply	: $\pm 15V$ DC... $\pm 24V$ DC
Measuring range	: DC, AC, puls peak 0... $\pm 500A$, up to 0... $\pm 1200A$
Bushing	: Ø27mm, center hole 38mm above mounting plate
Circuit points	: 3x M5 bolt $\pm 15...24V$, M
R_M	: 0...30 Ω to $\pm 500A \pm 15V$, 10...17 Ω to $\pm 24V \pm 1200A$
Accuracy	: $X_g < \pm 0,5\%$ (T_A 25°C)
Linearity error	: <0,1%
Rate of current rise di/dt	: >100A/ μs
Bandwidth	: DC...100kHz -1db
Ambient temperature	: -40...+85°C
Standards	: EN50155: 2007; EN50121-3-2: 2006
Housing	: UL94-V0, polyamide, tecamid



DIE ENTWICKLER

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