

# LA 3000 RED Current Transformer

## Redesign

The current transformer LA3000T of the original manufacturer BBC or LEM with 150mm wide CU busbar can be replaced functionally and dimensionally compatible by the current transformer VEW LA3000 RED. The M12 mounting holes on the busbar are arranged identically to the original, so that no adjustments have to be made in the the application. The design is a plug-and-play replacement, old-against-new.

The redesign of the VEW LA3000 has been designed in such a way that it can be modified according to the requirements of the specific application. The original current transformers were designed for different operating voltages of  $\pm 15V$  DC and  $\pm 24V$  DC as well as different conversion ratio 1:10,000 and 1:5000. The redesign can be modified by appropriate measures for all applications, if the user specifies the concrete application conditions before ordering:

- 1.) Supply Voltage  $V_c$
- 2.) Conversion ratio  $K_N$
- 3.) Measuring Range  $P_N$
- 4.) Resistance Value  $R_M$

The VEW LA3000 RED has the same housing 305mm x 250mm x 100mm as the original. The busbar bushing with a width of 150mm and a length of 350mm length is in 15mm copper, with 4 identical mounting holes on both sides for M12 through screws. The VEW current transformer can therefore be mounted dimensionally compatible directly in the busbar of the application, replacing the original current transformer.



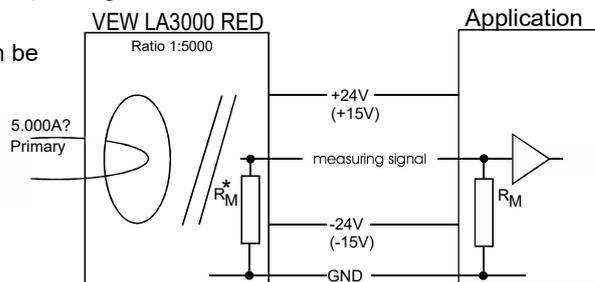
new

VEW LA3000 RED

### Principal placement when replacing a BBC/LEM-LA 3000T with VEW LA3000 RED

The measuring resistance  $R_M^*$  can be integrated into the housing of the VEW LA3000 RED

When ordering, please advise the nominal primary current (2000A, 3000A, 4000A, 5000A) and the value of the  $R_M$  of the application.



old

LEM/BBC LA3000T

### Technische Daten:

$I_{PN}$  primary nominal r.m.s. current 3000A  
 $I_p$  primary current, measuring range 0... $\pm 5000A$   
 $R_M$  measuring resistance 3000A 0...17 $\Omega$   
 $R_M$  measuring resistance 5000A 0...6 $\Omega$   
 $I_{SN}$  secondary nominal r.m.s. current 660 mA  
 $K_N$  conversion ratio 1:5.000 / opt. 1:10.000  
VC supply voltage  $\pm 24V$  DC / opt.  $\pm 15V$  DC  
Overall accuracy IPN 0,3%  
Operating temperature -25...+70°C  
Standards: EN50155  
Dimensions: 305 x 250 x 100 mm  
Mass: 20 kg  
Copper bar 150mm x 15mm, 4 drillingholes per side, M12

# VEW®

DIE ENTWICKLER

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