

## Full-Wave Bridge Rectifier Module

**Type DGL**

- 19"-Plug-In Technique
- Converts Bipolar Input Signals into Positive Output Signals



### DESCRIPTION:

The Full-Wave Bridge Rectifier Module is an universally applicable plug-in unit in 4 TE format.

The module requires an external supply of  $\pm 15$  V DC stabilized (e.g. of the VVE-DR or the VVE-DMS unit).

DGL converts a negative input signal of 0...10 V into a 0...10 V positive output signal. Positive input signals are being switched through, directly.

The Full-Wave Bridge Rectifier Module is used when bipolar signals occur (e.g. compression or tension force transducers or torque transducers with changing directions of rotation); but only unipolar signals can be processed (e.g. PLC, Max. value memory, limit values etc.)

### TECHNICAL DATA:

Type		DGL
Art. No.		101031
Supply	Supply Voltage	+15 V Stabilized 60 mA -15 V Stabilized 40 mA
Signal Output	Output Signal Ripple	$\pm 10$ V $\leq 5$ mA <20 mV
Signal Input	Input Voltage Input Resistance	0... $\pm 10$ V >10 k $\Omega$

### Miscellaneous

Nominal Temperature Range	+10...+40 °C
Service Temperature Range	0...+60 °C
Storage Temperature Range	-10...+70 °C
Dimensions	3 HE 4 TE 160 mm deep

Option	Art. No.	Function
EVK	42245	Mounting, Wiring and Calibration