

## **3B6 Electronic Switching Amplifier for Load Monitoring on Overhead Cranes, Portal Cranes and Gantry Cranes (EOTs)**

# **ESA - 2**

*Electronic Switching Amplifier for 2 ForceSensors*



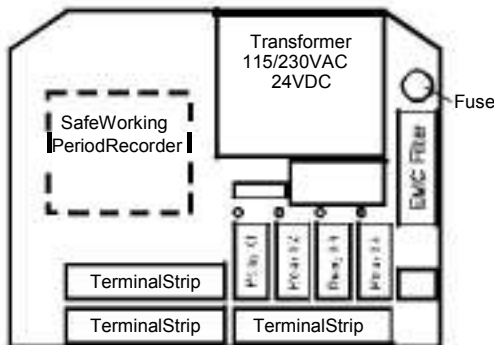
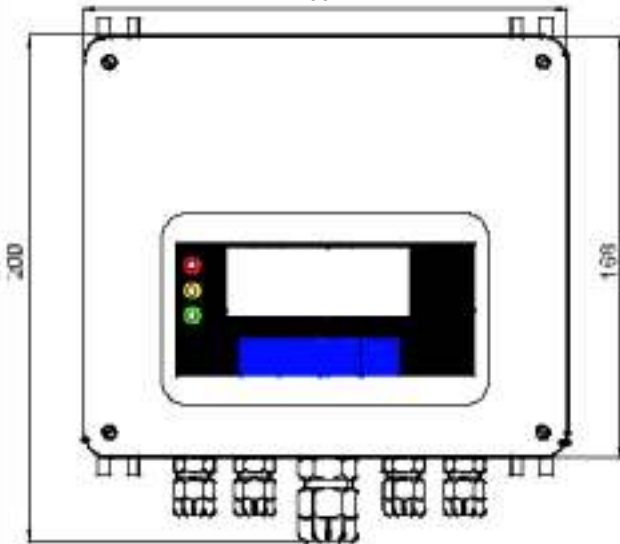
### **Load Monitoring with one or two Force Sensors**

Latest technology and user-friendly installation and operation are the highlights of the new generation of 3B6 Electronic Switching Amplifiers for EOT-type cranes. Special attention has been given to greatest possible adaptation of these electronic amplifiers to meet varying customers' requirements.

Monitoring of preset load limits of your lifting equipment is the central requirement but furthermore, additional information is used for processing (e.g. load and load spectrum to compute remaining service life span of the winch following specifications VBG8/FEM9.755). This information is displayed by an optional LCD readout any time. Calibration and inspection are very easy to perform by use of the integrated push-buttons. Of course, this system offers a serial interface to realize all adjustments and setups with the connected PC.

But there is more where this system comes from: **3B6 GmbH** provides also an extended line of force sensors as load pins, rope tension sensors, compression load sensors, hydraulic pressure sensors as well as special sensors and all of those together with custom-made adapters if requested.

**3B6 GmbH** offers complete support from commissioning and maintenance to training to qualify your staff for first service on-site



## Technical Data

Dimensions: 193\*168\*120mm(L-H-D)

SupplyVoltage: 115/230VAC,10...30VDC

Max.PowerConsumption: 27VA

OutputVoltage: 24VDC(supplytosensors)

Operable Temperature Range: -20°C...+70°C

ProofProtection: IP65

EMCApproval: EN61000.EN5501

Input ForceSensors: 2of4...20mA/0...20mA/0...10Veach

Input Switches: upto4of10...30Veach

OutputRelays: 4changeovercontacts(freepotential)  
(monitoring,underload,2overload)  
250VAC-8A/30VDC-8A

Outputanalog: 2of0...5VDCeach

DigitalInterface: RS232orRS485orRS422

LC-DisplayReadings: Relationload/nominalload  
Load  
SafeWorkingPeriodRecorder  
Serviceinformation

## Load Monitoring

### ESA-2 ElectronicSwitchingAmplifier

Displayreadings:

Relationload/nominalload  
bybargraph  
Load  
Safe Working PeriodRecorder  
Service Information  
(Systemalso availablewithoutdisplay)



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