

Load monitoring system for overhead, gantry or container cranes



Description

Overload protection in hoisting devices are made to protect human and machinery. It raises durability and guaranties a frictionless and reliable operation in daily industrial applications. tecsis systems guarantee a efficient role even in heavy duty applications.

The tecsis electronic is used for hall- / gantry cranes to measure and monitor loads and protect the hoist against overload. The actual load is compared up to four limit values, and by achieving one of these values, the safety relay cuts off.

The electronic ECPS8 use a firmware, which can be aligned to the actual application. The configuration can easily be managed with the enclosed PC software ECPS8win. This can also be done, when all components are mounted in the crane.

The housing (option) protects the electronic against ambient conditions according to IP65.

Features

- Input signal 4 x 4 - 20mA
- 4 analogue output signals 4 - 20mA
- Each input up to 4 freely programmable switching points
- Easy mounting
- Fast setup
- Interface RS 232
- Display module in clear text
- PC supported menu-driven configuration
- Safety relays
- Din rail mounting
- Temperature range -20+50°C
- Protection class IP20

Optional:

- Powder coated steel or stainless steelhousing
- Temperature range -20+80°C
- Protection class IP65
- Digital output with MOSFET
- Profi bus, CANopen[®]

Applications

- Overload protection for overhead or gantry cranes
- Steel works area
- Container cranes, RTG
- Stage construction

Model: ECPS8

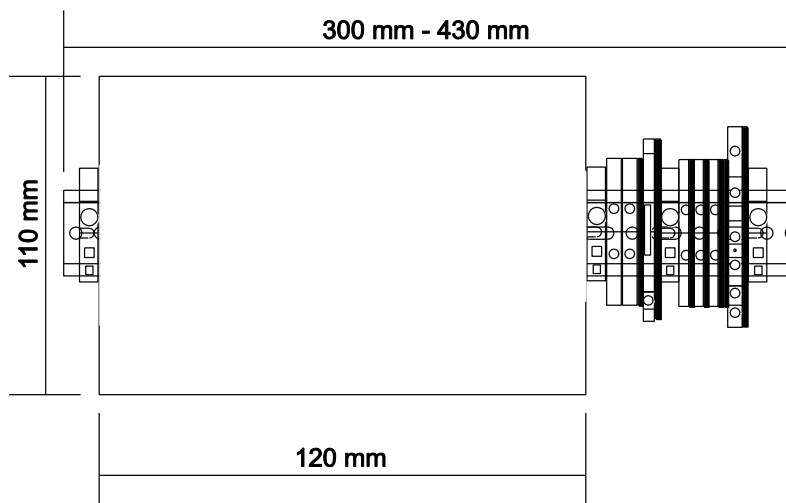
Technical data

Model	ECPS
4 Analogue input optional 8 - Signal - Repeat accuracy - Accuracy	4 x 4 ... 20 mA <0.1% 0,5% FS
4 Analogue Output - Signal - Accuracy	4 ... 20 mA 0,5% FS
8 x Digital output - Set points - Hysteresis - Time delay	freely programmable freely programmable freely programmable
1 x Switch output (fault)	
8 x Digital input	24 VDC
Load spectrum counter	
Power supply	DC24V
Option	AC100-240V
Nominal temperature range	-20 ... +50 °C
Storage temperature range	-25 ... +50 °C
Mounting	DIN rail version
Housing (optional)	Stainless steel or powder coated steel
Option	Profi bus, CANopen®
Noise emission	acc. to EN 61326
Noise immunity	acc. to EN 61326
Electrical protection	Reverse voltage, overvoltage and short circuit protection

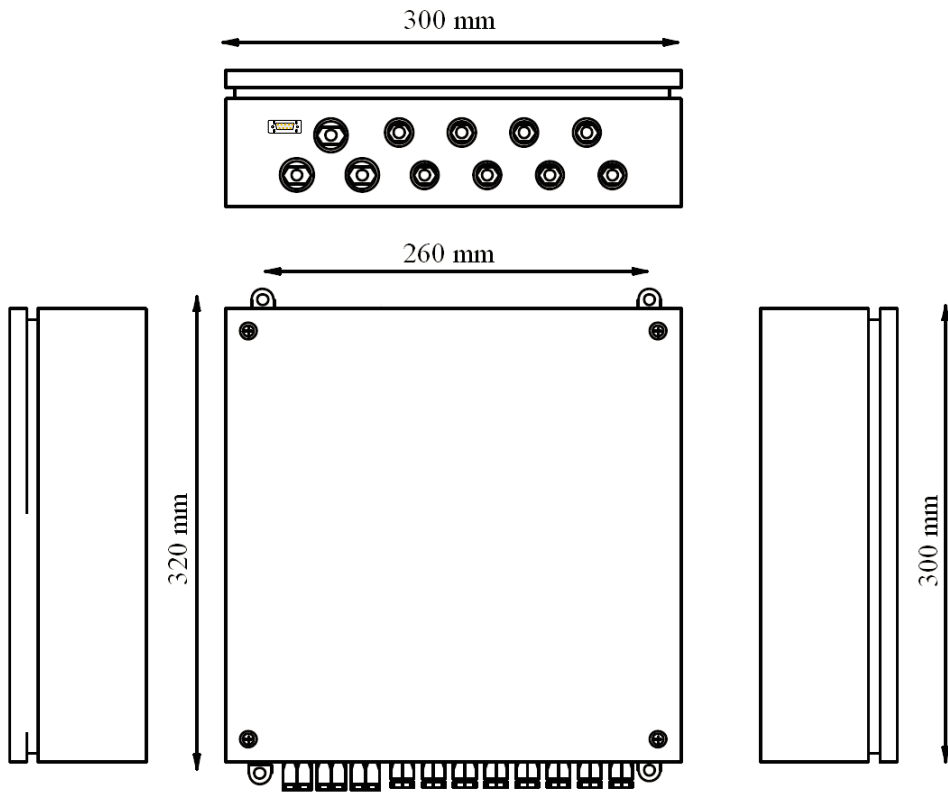
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Dimension

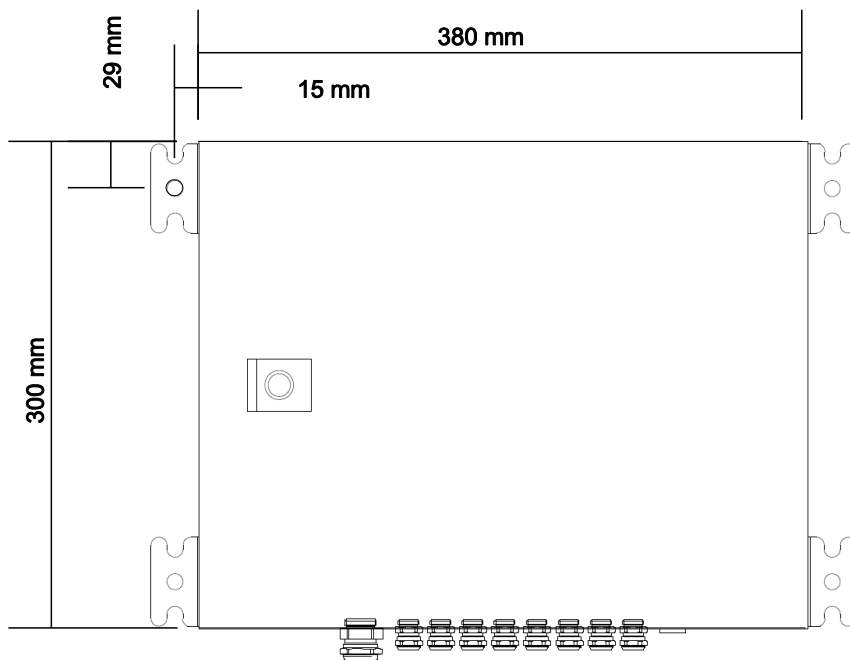
DIN rail version



Powder coated steel



Stainless steel



Subject of technical changes