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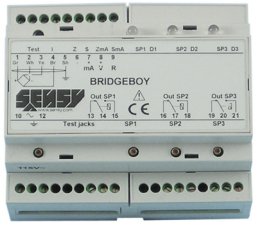
CE HOISTING

BRIDGEBOY -3R

LOAD LIMITATION ELECTRONICS WITH 3 SET POINTS

Electronics with 3 set points designed, in combination with a load cell, to limit the load and/or to detect slack cable of a hoisting device (EOT cranes).

- Low cost
- Internal monitoring system of the integrity of the load cell and the load limitation electronics (positive safety).
- Visualization of overloads by a led on the front.
- TEST button on the front
- Adjustments by potentiometers easy to reach
- Din rail mounting



BRIDGEBOY-3R

Limitation	3 independent set points Set points 1 and 2 configured for load limitation Set point 3 configured by default for slack cable detection	
Security	Internal survey system of the load cell and the electronics deactivating the overload relay in case of failure (positive safety) "TEST " button on the front in order to check the good working of the detection system Adjustable delay to avoid reaction to transitory non significant overload	
Set points	Adjustable by multi-turn potentiometer	
Relays	Form C (6A - 250 VAC) activated in safe situation	
Response time	From 60 ms up to 1 s adjustable by multi-turn potentiometer	
Hysteresis	Overload: default value: 20 % (0 % or 5 % possible if specified at the order) Slack cable detection: 0 %	
Input signal	From 0,5 to 2mV/V by 3 setting ranges and multi-turn potentiometer Pont de Wheatstone (≥ 350 Ω) Supply of the bridge : from 10 to 28 mADC (11 V max.) (adjustable by multi-turn potentiometer)	
Accuracy	± 0,5 % of full range	
Power supply	BRIDGE BOY 230VAC-3R BRIDGE BOY 48VAC-3R BRIDGE BOY 230VAC-3R + Option ALIM-115VAC BRIDGE BOY 48VAC-3R + Option ALIM-115VAC	230 VAC (50/60 Hz, 10 VA) 48 VAC (50/60 Hz, 10 VA) 115 VAC (50/60 Hz, 10 VA) 115 VAC (50/60 Hz, 10 VA)
Output signals	0..10 V 4..20 mA Output for supplementary Bridgeboy for cascade or summing configuration.	(load resistance : ≥ 2,5 kΩ) (load resistance : ≤ 500 Ω)
Protection	IP54	
Temperature	Operating Storage	from – 20 to + 60 °C from – 40 to + 70°C

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LOAD LIMITER

model BRIDGE 3 Setpoint relay

Compact model for mounting on DIN rail TS35 IP54

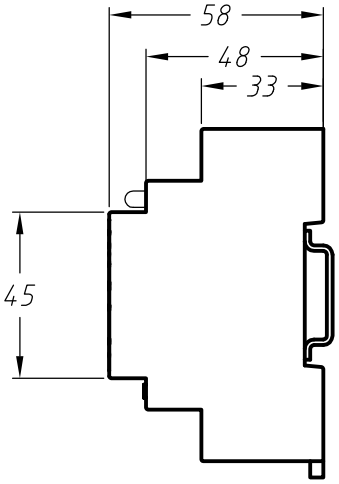
Available power supply

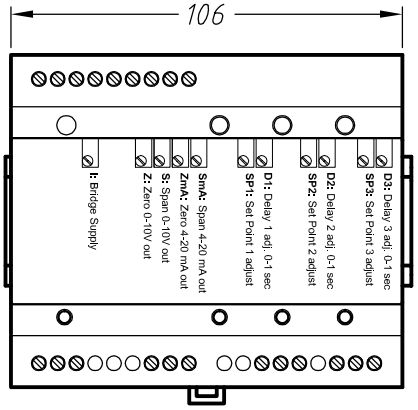
48–115–230 VAC

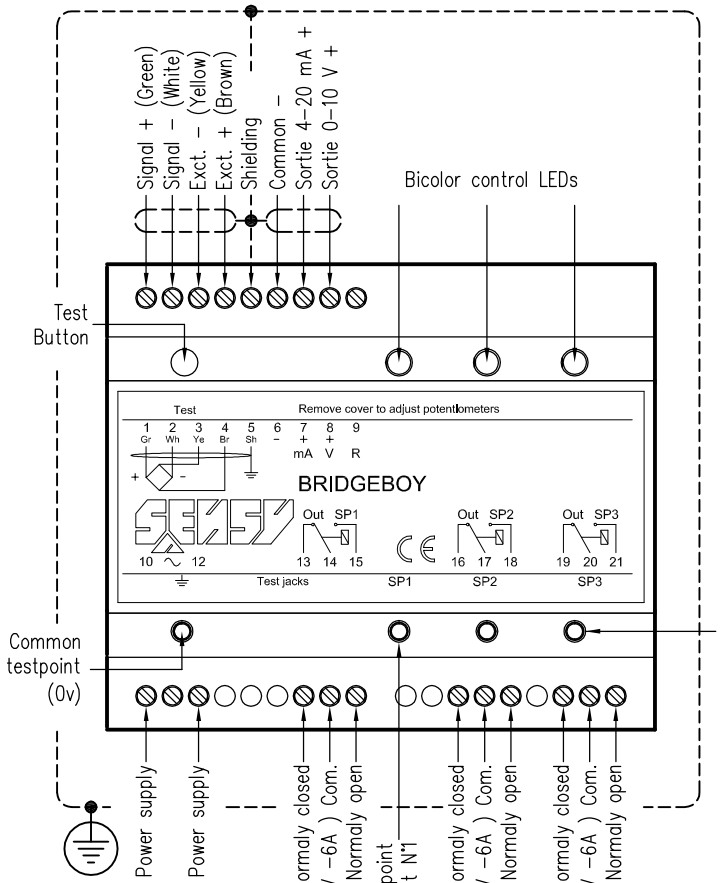
Ref :
BRIDGE–BOY–48VAC–3R
BRIDGE–BOY–115VAC–3R
BRIDGE–BOY–230VAC–3R

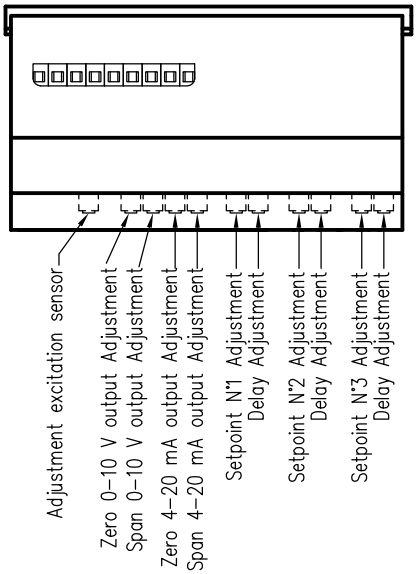
CE

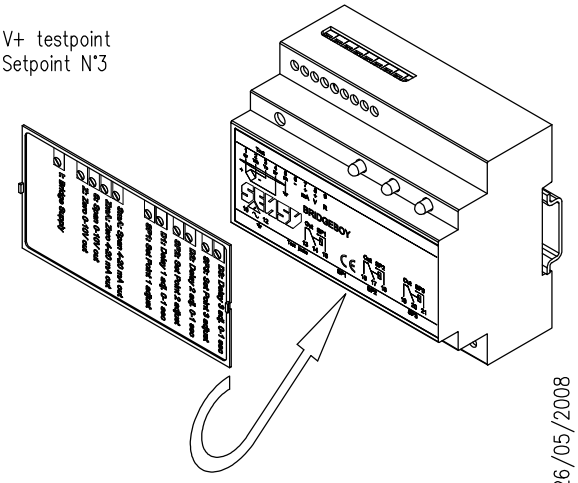
(Hoisting)











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