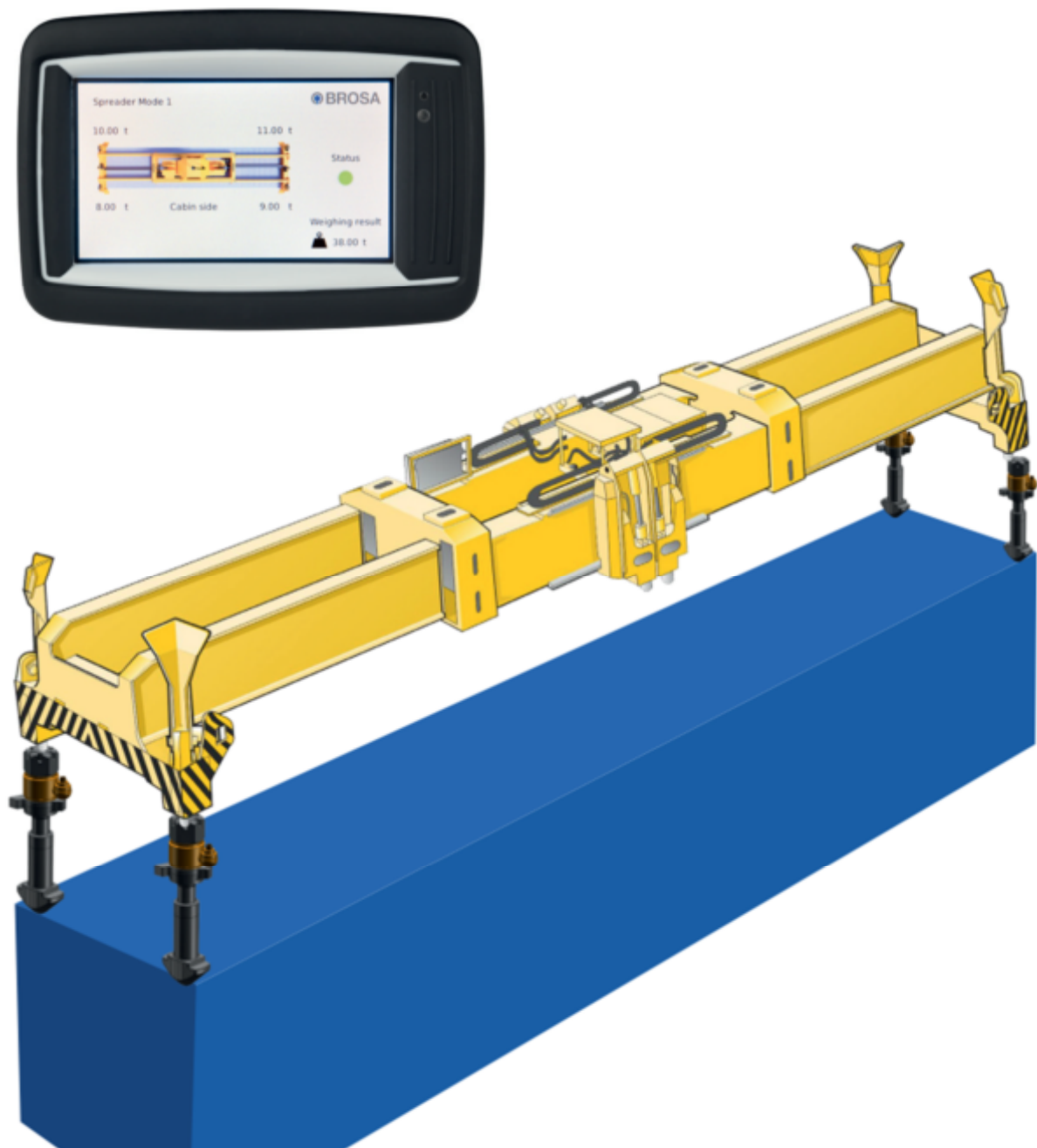


0656 FlexLim Weighing Electronics for SOLAS compliant application

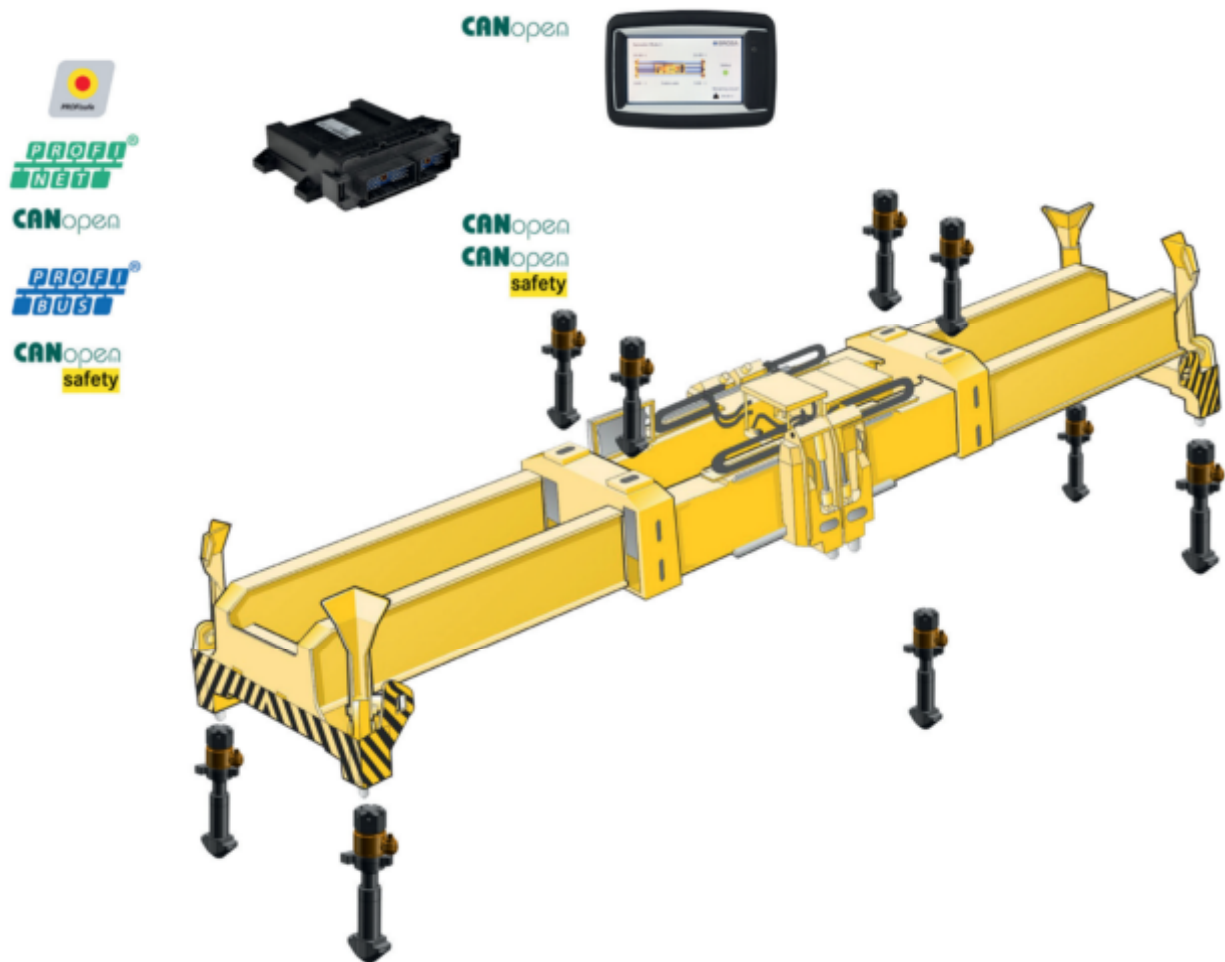


Description

The BROSA weighing electronics 0656 FlexLim meets the SOLAS guidelines for container cranes and typically records 8 load signals. The components are according to OIML (R60 / R76) certified. The weighing electronics is available in conjunction with the force measuring washers type 0120 as well as certified sensors and one color display also as OIML R51 system solution, on spreader and on the headblock.

The R51 guideline describes the metrological and technical requirements for automatic weighing instruments. The certificate includes both a static weighing in which the goods to be weighed do not move, as well as dynamic weighing in which the goods to be weighed are allowed to move.

The 0656 FlexLim weighing electronics has up to 4 individual adjustable weighing modes to map the different operating states of the spreader, and the weight can be read off the display. The weight is passed on to a higher-level system via bidirectional communication with PROFIBUS, PROFINET (PROFIsafe) or CANopen (CANopen safety). The 0656 FlexLim weighing electronics is supplied in a robust and vibration-proof housing with protection class IP67/69k. It can be installed either in a control cabinet or externally. A customer-specific connection via a terminal strip and various interface modules is optional.



Weighing electronics, type 0656

Technical data

Description	0656 FlexLim Weighing Electronics
Certificate no.	R51/2006-A-DE1-22.02, Revision 1
	R76/2006-A-DE1-2022.01
Input signals	typ. 8 × CANopen (Safety)
Supply voltage	24V DC (10 ... 30V DC)
Analog outputs	2 × 4 ... 20mA
Digital inputs	8 × 24V
Digital outputs	8 × Switching capacity type 24 V / 500 mA
	1 × Safety output type 24 V / 500 mA
Interfaces	1 × PROFINET IO (PROFIsafe) Slave
	1 × PROFIBUS DP Slave
	1 × CANopen (Safety) Slave
	1 × RS 485
	1 × RS 232
System configuration	via RS 232-USB converter with PC, terminal program
Housing	Cinch MODICE SE
Electrical connection	Connector with crimp contacts (0.5mm ²)
Protection class	IP67 / IP69k
Operating temperature	- 20 ... + 60°C (R51)
	- 40 ... + 80°C (R76)
Electrical protection classes	Reverse polarity protection, short-circuit protection
Vibration resistance	14g
Shock resistance	10g
EMC	CISPR 25 / EN 55025
	DIN ISO 11452-2
	DIN ISO 11452-4
	DIN ISO 11452-5
	DIN 40839 T1 / ISO7637-2
	EN 61000-4-2
	EN 61000-4-4

Display

The 4.3" or 7" display is the perfect complement to the BROSA weighing electronics. All relevant data such as individual loads, modes, different operating states and the weighing result are displayed here.



Housing Dimensions

Display screen	4,3" Display	7" Display
L × W × H	48 × 142 × 98 mm	56 × 224 × 145 mm
Resolution	480 × 272 px (WQVGA), 15:9	800 × 480 px (WQVGA), 15:9
Connection	CANopen	CANopen
Supply voltage	9...36 V DC	9...36 V DC
Operating temperature	- 30 ... + 65°C	- 30 ... + 65°C
Protection class	IP 65 / 66	IP 65 / 66

Services

Alternatively, the following services can be ordered from BROSA:

Accompanying commissioning on site

- On-site commissioning support
- Calibration of the system with provided test weights
- Preparation of acceptance protocol

Other services on request.



ISO 9001
ISO 14001

