

APEX TRS32-W3

Gateway for wireless anti-two block (A2B) switches

Applications

- Mobile cranes
- Lifting applications

Special Features

- FCC approval
- Wireless connection of up to two wireless anti-two block (A2B) switches
- Signal output (hoist limit) via digital output
- Connection of sensors via push button
- Status LEDs signal various operating conditions
- Remotely monitors the battery level of the connected wireless A2B switches
- IP66 Protection class
- Long transmission range
- Configurable output
- Interface for diagnostics and service



APEX TRS32-W3

Description

The APEX TRS32-W3 is a gateway for the connection of APEX HES-W3/01 wireless A2B switches. Up to two wireless A2B switches can be connected to a single TRS32-W3.

The gateway can be configured to trigger a digital output when a hoist limit has been reached.



The APEX family of wireless equipment is designed for use in mobile machinery. The applications range from anti-two block (A2B) switches, to windspeed measurement, as well as angle and force measurement.

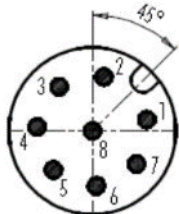
Technical Specifications

APEX TRS32-W3	
Part number	83902750
Power supply	10V to 30V DC
Frequency range	902 – 928 MHz modulation: OQPSK DSSS license-free
Antenna	915 MHz RP-SMA
Antenna connection	RP-SMA
Range	1400m (4539ft) ¹
Electrical connection	M12 /8P male A-coded
Signal output	Up to 2 configurable digital outputs
Control elements	1 pairing button, 4 LEDs
FCC conformity	N4TWMC915R1
ISEC ID	3196A-WMC915R1
Dimension	121,5mm x 55,7mm x 91,5mm
Weight	0,35 Kg (0,77 lbs)
Distance between mounting holes	102,1 mm
Operating temperature range	-40°C..+70°C
Storage temperature range	-40°C..+85°C
Protection class	IP66

¹ Open field, direct line of sight

CAN in connector

Connector type:
M12, Male,
A-coded, 8 pins



Pin	Signal	DIR	Description
1	CASE	PS	Shield / Case
2	X_UB	PS	Positive power supply line, +10 .. 30 Vdc from CAN Bus internal fuse 2A, reverse polarity protection with TVS- diode
3	X_UB	PS	Negative power supply line, 0V
4	Service_H	IN/OUT	N.C.
5	Service_L	IN/OUT	N.C.
6	X_DO1	OUT	Digital power output signal DO1, reverse polarity protection with TVS- diode
7	X_UB	PS	Negative power supply line, 0V, coupled to case with 1µF/100V
8	X_DO2	OUT	Digital power output signal DO2, reverse polarity protection with TVS- diode

Dimensions

