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Pulse divider for MTCO

X10-415-000-013

The pulse divider for MTCO belongs to the group of electronic adapters. Retrofitting vehicles with integrated sensors with EC MTCO 1324 “stand-alone” often requires a pulse shaping unit and/or a pulse divider.

This pulse divider with a pulse output especially for the EC MTCO 1324 “stand-alone” can process and shape the most different input signals and can divide also high sensor frequencies up to 10:1 maximum.

Features

- The pulse divider processes square-wave signals and sinusoidal signals, signals from reed contacts and signal sources with open-collector outputs.
- The pulse divider has an especially created output signal for the EC MTCO 1324 “stand-alone”
- Pulse division 1:1, 2:1, 4:1, 8:1, 10:1 by means of jumpers
- Two lead seals on the case
- Armored signal cable with connector especially for the sealing hood of the MTCO (sealing hood 1324-90020200 for MTCO is not included)

Application

Mainly in vehicles which, by legal regulations, have to be provided with an EC-tachograph and where no KITAS sensor can be used, e.g.:

- Light commercial vehicles, Offroad vehicles, PickUps, Taxis, etc.
- Vehicles with integrated sensors
- Railcars

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Technical information

Supply voltage	+8 volts from MTCO
Power consumption	typ. 10 mA
Input signal (low range)	Sinusoidal signal $U_{pp} > 300$ mV
Input signal (high range)	Sinusoidal signal $U_{pp} > 2$ volts
	Square-wave signal $U_H > 6$ V; $U_L < 2$ volts
Output signal	Real time signal and data signal I/O
	for connection to MTCO (KITAS compatible)
Pulse division	1:1, 2:1, 4:1, 8:1, 10:1 (set to 1:1 ex factory)
Sensor frequency	6 kHz maximum
Type of protection	IP 30
Operating temperature	-30 °C ... +70 °C
Storage temperature	-30 °C ... +80 °C
Lead seals	2 x Lead seal cap (plastic); Signal cable to TCO armored; Sealing hood 1324-90020200 at MTCO (not included)
Weight	approx. 300 g incl. armored cable
Dimensions (in mm)	Case (L x W x H) 100 x 50 x 30; Armored cable approx. 1 m, 4-poles Cable to sensor system approx. 1m, 3-poles

