Article name: **Belt Rip Detection System type BPS-A2-M1G**
Article no.:   **CC0204.2**

Belt Rip Detection System type BPS-A2-M1G
with one detection pair for belt width > 1000 mm
Max. distance between master and sensor pairs: 250 m

Composed of

No.	Description	Marking	Article no.
1	Master unit	BPS-A2-M1G	CC0204.2
1	Transmitter	BPS-TX/8	CC4101.1
1	Receiver	BPS-RX/8	CC4111.1
1	Rotary encoder	CC-RE1024	CC4036
1	Connection box	CC-CB1212	CC4150
1	User manual		

Master unit

Nominal voltage	100 VAC to 240 VAC
Nominal frequency	50 Hz to 60 Hz
Power consumption	100 W
Connection	Terminals for 3 x 2,5 mm² CU wire or AWG 12
Degree of protection	IP66, NEMA 4X
EMC	
Ambient temperature	0°C to + 30°C (standard) -20°C to +45°C (with heating)
Ambient humidity	20% to 85%, non-condensing
Dimensions	450 x 450 x 230 mm
Weight	Approx. 30 kg (depending on version)
Material	Stainless steel
Viewing window	Safety glass
Installation site	Air-conditioned rooms (preferred), in the open air (with sun roof)
Display	13" graphic

Transmitter/Receiver

Degree of protection	IP66, NEMA 4X
Ambient temperature	-20°C to +50°C -40°C to +50°C (optional)
Dimensions	120 x 122 x 90 mm
Weight	1,1 kg
Material	Polyester

Rotary encoder

Degree of protection	IP66, NEMA 4X
Ambient temperature	-20°C to +50°C -40°C to +50°C (optional)
Dimensions (wheel)	d 160 mm
Weight	6,5 kg (without bracket)
Material	Steel

Optional: Connection cables (CC4020)
Max. distance between Transmitter, Receiver and Proximity switches: 250 m
Connection cables are not in scope of supply and can be ordered according to required cable length.

Optional: Connection with primary PLC
Distance between Master and PLC: Ethernet (<2 km or < 30 km), Profibus (< 2 km)
Ethernet switch (CC4007.1 / CC4007.2) or Profibus module (CC2014) is not in the scope of supply and can be ordered optional.

Accessories

Article name: **CC-IES-Multi-Mode-2xSC**
Article no.: CC4007.1
Industrial Ethernet Switch for the communication between Master and Slave and/or Master and PLC
Ethernet Network via Fiber optic
Multi-mode
Max. distance: 2 km

Article name: **CC-IES-Single-Mode-2xSC**
Article no.: CC4007.2
Industrial Ethernet Switch for the communication between Master and Slave and/or Master and PLC
Ethernet Network via Fiber optic
Single-mode
Max. distance: 30 km

Article name: **Module A1-PB**
Article no.: CC2014
Profibus DP-V0 field bus communication module
Operating mode: Modbus RTU
Max. distance: 2 km

Article name: **CC-HEAT**
Article no. CC4006
Enhancement of the standard temperature range of -20°C to + 30°C (Master unit)
Necessary accessory in the case of outdoor installation

Article name: **CC-PK2450**
Article no.: CC4006.2
Cool and heating unit for Master and Slave unit
Enhancement of the standard temperature range of -20°C to + 45°C (Master unit)
Necessary accessory in the case of outdoor installation

Article name: **CC-SR654**
Article no.: CC4015
Sun roof for BPS-A2-MxG /SxG
Material: Stainless steel
Necessary accessory in the case of outdoor installation

Article name: **Cable4x0,75gr**
Article no.: CC4020
Shielded connection cable 4 x 0,75 mm² for the connection of Transmitter, Receiver, Proximity switches (according to required cable length)

Spare parts

Article name: **BPS-TX/8**
Article no.: CC4101.1
Transmitter
Inclusive 8-pin plug and 5 meter connection cable

Article name: **BPS-RX/8**
Article no.: CC4111.1
Receiver
Inclusive 8-pin plug and 5 meter connection cable

Article name: **BPS-MBX**
Article no.: CC4130.1
Mounting bracket for Transmitter type BPS-TX/8, Receiver type BPS-RX/8
Length: 600 mm

Article name: **BPS-PLUG/8**
Article no. CC4050.1
Male angled connector 8-pin for Transmitter type BPS-TX/8, Receiver type BPS-RX/8

Article name: **CC-RE1024**
Article no.: CC4036
Rotary encoder

Article name: **CC-CB1212**
Article no.: CC4151
Connection box for Transmitter/Receiver

Article name: **Module A1-CPU**
Article no.: CC2000
Processing unit
Software according to system and version

Article name: **Module A1-DFI**
Article no.: CC2004
Digital input card

Article name: **Module A1-DO**
Article no.: CC2005
Digital output card

Article name: **Module A1-BPS**
Article no.: CC2008
Belt protection system card
Software according to system and version

Article name: **CC-A1-PS/1225**
Article no.: CC4041
Power supply 12V

Article name: **CC-A1-PS/2413**
Article no.: CC4042
Power supply 24V