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**1 Mechanics**

Long conveyor belt Technical documentation

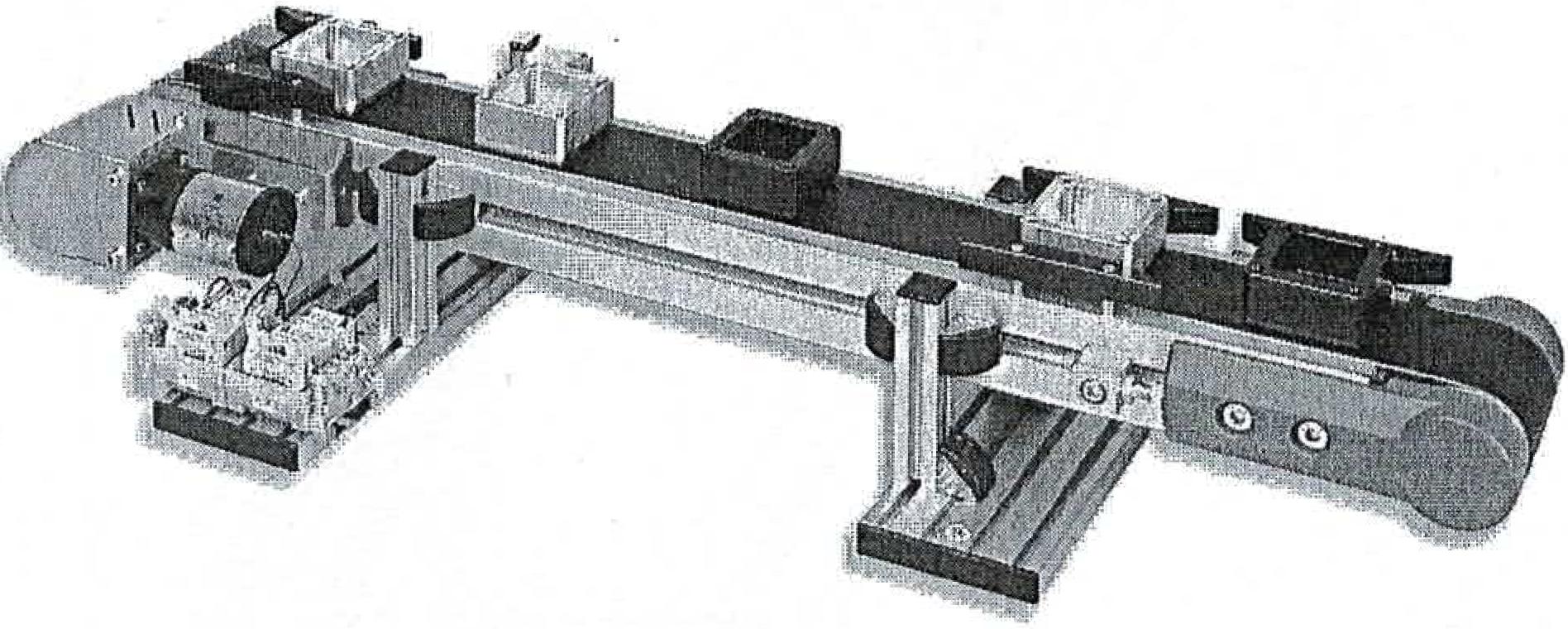
C by Dr.-Ing. Paul Christiani GmbH & Co. KG 1

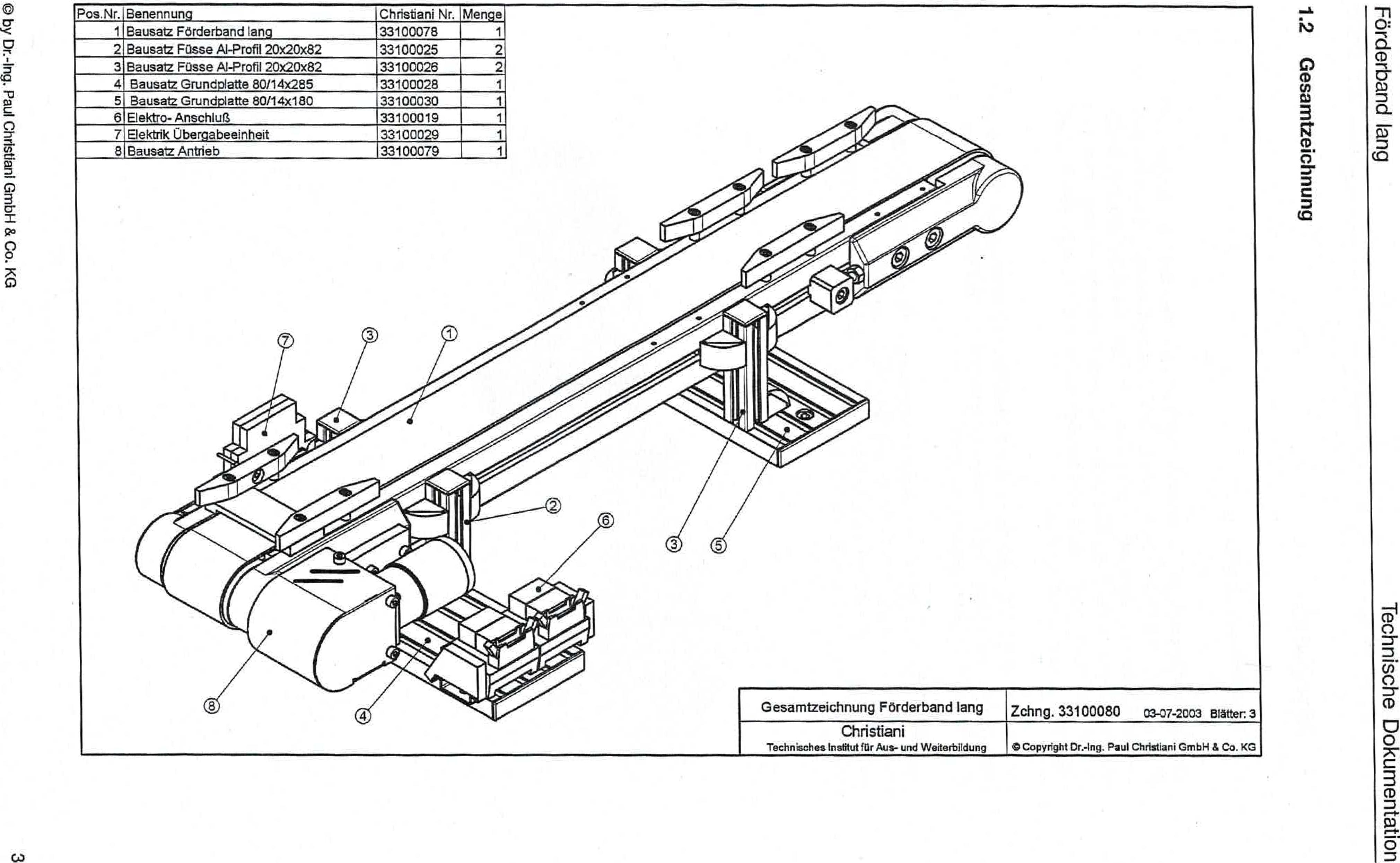
**1.1 Functional description**

The conveyor belt functional assembly consists of a 680 mm long and 50 mm wide belt section. A sensor (light sensor with fiber optic amplifier) ​​is installed at the end of the conveyor belt section, which starts or stops the conveyor belt as soon as a workpiece is detected by the sensors. The conveyor belt can be moved alternately in both directions using a reversing contactor circuit.

The functional assembly is completely constructed on two mounting platforms and can be flexibly mounted individually or together with other functional assemblies on an aluminum profile plate.

A 24-volt DC motor, two motor relays for setting up a reversing contactor circuit, and two 8-bit transfer connectors are available for operation. One digital input and two digital outputs should be available on the PLC to connect the function module.





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6 Electrical connection

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Electrical transfer unit

33100079

1

Drive kit

Item No. Description

1 long conveyor belt kit

2 kit feet Al-profile 20x20x82

Kit feet Al-profile 20x20x82

Base plate kit 80/14x285

5 Kit base plate 80/14x180

Christiani No. 1 Quantity

33100078 1

33100025

33100026

33100028

33100030

3

4

2

2

1

General drawing of long conveyor belt

Christiani

Technical Institute for Education and Training

Drawing 33100080 03—D7-2003 Sheets.3

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