ABB Service Manual

07KP93

1. Description

ABB 07KP93 GJR5253200R1161 communication module 07KP93

3. Product Information

ABB 07KP93 GJR5253200R1161 communication module 07KP93

Product ID GJR5253200R1161

ABB Type Designation 07KP93:

Catalog Description communication module 07KP93

General Information

PRODUCT-DETAILS

Additional Information

ABB Type Designation 07KP93:

ABS Certificate 1SAA960000-0101

Core Credit 0.00

Germany (DE)

United States (US)

Country of Origin

Customs Tariff Number 85371091

Declaration of 1SAD938504-0047

Conformity - CE

Gross Volume 2.31 dm^3

Gross Weight 0.58 kg

Invoice Description communication module 07KP93

Made To Order No

Minimum Order Quantity 1 piece

Object Classification K

Code

Order Multiple 1 piece

PRS Certificate 1SAA960000-0601

Parallel Extension 1

Part Type New

Product Main Type KP93

Product Name communication module 07KP93

Product Net Height 0 mm

Product Net Length 0 mm

Product Net Weight 0.58 kg

Product Net Width 0 mm

Product Type Spare_Parts

Quote Only No

RMRS Certificate 1SAA960000-0701

RoHS Information 1SAA960001-4401

RoHS Status No declaration needed

Selling Unit of Measure piece

Serial Port 1 Type MB

Serial Port 2 Type MB

Short Description 07KP93:AC31,Modbus-Communication coupler

Central Stock Europe

DEAPREXPU

Stocked At

(Warehouses)

UNSPSC 32151705

WEEE B2C / B2B Business To Business

WEEE Category 5. Small Equipment (No External Dimension More Than 50 cm)

The 07 KP 93 communication processor is an interface

module with 2 serial MODBUS RTU interfaces.

The communication processor allows external units to be

connected to the Advant Controller 31 system using the

MODBUS RTU protocol.

The most important features of the communication processor are:

· 2 serial interfaces:

usable in accordance with EIA RS-232 or

EIA RS-485 (COM3, COM4)

Possible operating modes:

COM3 COM4

Master Slave (Master-master does not work)

Slave Master

Slave Slave

· Communication with AC 31 basic units is performed

with function blocks / connection elements (see also

programming software 907 KP 93).

Number of serial interfaces 2

Number of parallel interfaces 1 networking interface for connecting to the

Advant Controller 31 basic unit

Diagnosis 4 LEDs: LED1...LED4

Operating and error displays 3 LEDs: RUN, ERR, Supply

Conductor cross section

for the removable terminal blocks max. 2.5 mm2

7.3.5.2 Supply voltage for 07 KP 93 R1161

Rated supply voltage 24 V DC

Power dissipation typ. 2.5 W (max. 5W)

Max. current consumption

with rated voltage 210 mA

with supply voltage 30 V 170 mA

Protection against reversed terminal connection yes

7.3.5.3 Connection serial interface COM3, COM4

Interface standard EIA RS–232 or EIA RS–485

Electrical isolation yes, interfaces with respect to each other and with

respect to the rest of the unit (also see Figure 7.3-5)

Terminal assignment and

description of the interfaces COM3, COM4 see page 7.3-7

7.3.5.4 LED displays

– Supply 1 green LED

– ERR 1 red LED

– RUN 1 green LED

– LED1...LED4 4 yellow LEDs

Mounting on DIN rail in accordance with DIN EN 50022–35, 15 mm deep.

The DIN rail is located in the middle between the upper

and the lower edges of the module.

Fastening by screws using 4 M4 screws.

Width x height x depth 140 x 120 x 85 mm

Wiring method by removeable terminal blocks with screw-type

terminals, max. 2.5 mm2

Weight 450 g

Communication processor 07 KP 93 R1161 Order No. GJR5 2532 00 R1161

Scope of delivery Communication processor 07 KP 93 R1161

1 5-pole terminal block (5.08 mm grid),

cable including terminals for making the

earth connection

Further literature

System description Advant Controller 31, English Order No. 1SAC 1316 99 R0201

System description ABB Procontic T200 Order No. GATS 1314 99 R2001

Software

Software 907 KP 93 Order No. GJP5 2072 00 R0102