ABB ABB Series Service Manual

TU805

1. Description

The TU805K01 is a kit consisting of 10 pcs TU805. TU805 is a 16-channel 50 V terminal unit for the S800 I/O modules DI801 and DO801. The Terminal Unit is a passive unit for the distribution of external process power.

3. Product Information

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Features and benefits

Enables 2- and 3-wire connections of process signals.

Direct mounting on the I/O module.

Requires no extra space.

General info

Article number 3BSE035990R1

Connection Terminal block

Channels 16

Voltage 50 V

Use with I/O DI801, DO801

Process connections 2 x 2 Process power terminals

2 x 16 Process power distribution terminals

Detailed data

Maximum current per I/O channel 1 A

Acceptable wire sizes Solid: 0.2 - 1.5 mm²

Stranded: 0.2 - 1.5 mm², 24- 16 AWG

Dielectric test voltage 500 V a.c.

Environment and certification

CE mark Yes

Electrical safety EN 61010-1, UL 61010-1, EN 61010-2-201, UL 61010-2-201

Hazardous Location C1 Div 2 cULus, C1 Zone 2 cULus, ATEX Zone 2

Marine certification DNV-GL

Temperature, Operating 0 to +55 °C (+32 to +131 °F), approvals are issued for +5 to +55 °C

Temperature, Storage -40 to + 70 °C (-40 to +158 °F)

Pollution degree Degree 2, IEC 60664-1

Corrosion protection ISA-S71.04: G3

Relative humidity 5 to 95 %, non-condensing

Max ambient temperature 55 °C (131 °F)

Protection class IP20 according to IEC 60529

Mechanical operating conditions IEC/EN 61131-2

EMC EN 61000-6-4, EN 61000-6-2

Overvoltage categories IEC/EN 60664-1, EN 50178

Equipment class Class I according to IEC 61140; (earth protected)

RoHS compliance EN 50581:2012

WEEE compliance DIRECTIVE/2012/19/EU

Dimensions

Width 86.1 mm

Depth 40.5 mm

Height 40.5 mm

Weight 0.3 kg