

TU805K01

Freelance hardware selector



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.

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 mm ² Stranded: 0.2 - 1.5 mm ² , 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

—
solutions.abb/freelance
solutions.abb/controlsystems

—
We reserve the right to make technical changes to the products or modify the contents of this document without prior notice. With regard to purchase orders, the agreed particulars shall prevail. ABB does not assume any responsibility for any errors or incomplete information in this document.

We reserve all rights to this document and the items and images it contains. The reproduction, disclosure to third parties or the use of the content of this document – including parts thereof – are prohibited without ABB's prior written permission.

Copyright© 2025 ABB All rights reserved