

# TU805K01

## ABB Ability™ System 800xA® 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 <sup>2</sup> Stranded: 0.2 - 1.5 mm <sup>2</sup> , 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

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