

DATA SHEET

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 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



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