

# Training System Extension Motion

## TSY 041



The TSY 041 training system is an application assembly that is used for training. The application consists of a S-DIAS VARAN control module, an I/O module resp. 2 servo axes and several operation elements for the simulation of different input and output signals. The TSY 041 can be connected to the TSY 021 basic system with the S-DIAS VARAN control module VI 021. The VARAN bus system serves for the data exchange between the TSY 021 and the ex-tension module motion TSY 041. The application is supplied with a desktop power supply, which is part of the application. Additionally a Tyco Mini I/O network cable for establishing a VARAN connection to the TSY 021 basic system is part of the application.

### Performance Data

Interfaces	1x VARAN In (Tyco Mini I/O) (maximum cable length:100 m) 1x VARAN Out (Tyco Mini I/O) (maximum cable length:100 m)
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### Electrical Requirements

Supply voltage	18-30 V DC	
Supply voltage (UL)	18-30 V DC (Class 2)	
Current consumption of the voltage supply	the current consumption is dependent on the connected loads (max. 2.75 A)	
Power supply on S-DIAS bus	via the VI 021	
Current capacity on S-DIAS bus (power supply for I/O/P modules).	+5 V	+24 V
	maximum 1.6 A	maximum 1.6 A

### Article Number and Miscellaneous

Article number	12-100-041
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### Environmental Conditions

Storage temperature	-20 ... +85 °C	
Environmental temperature	0 ... +55 °C	
Humidity	0-95 %, non-condensing	
EMC resistance	in accordance with EN 61000-6-2 (industrial area)	
EMC noise generation	in accordance with EN 61000-6-4 (industrial area)	
Vibration resistance	EN 60068-2-6	3.5 mm from 5-8.4 Hz 1 g from 8.4-150 Hz
Shock resistance	EN 60068-2-27	15 g
Protection type	EN 60529	IP20