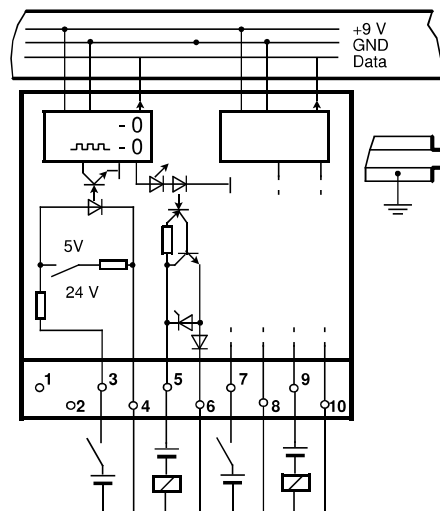
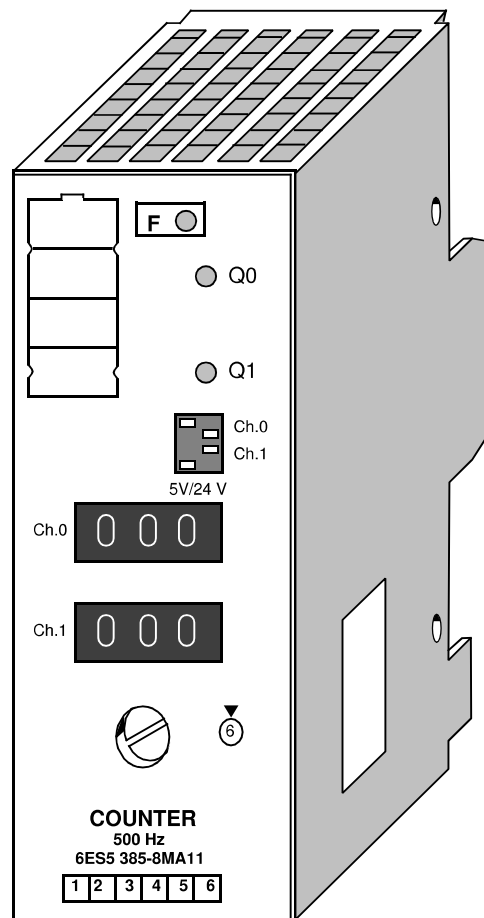


15.5 Counter Module 2 × 0 to 500 Hz

(6ES5 385-8MA11)



Technical Specifications

Number of Inputs	2	Total permissible current of outputs	1 A
Galvanic isolation	yes	Driving a digital input	possible
Input voltage		Paralleling of outputs	possible
- rated value	5 V/24 V DC	- max. current	0.5 A
- for "0" signal	0 to 0.8/-33 to 5 V	Permissible ambient temperature for the unit	
- for "1" signal	3 to 5 V/13 to 33 V	- horizontal arrangement	0 to 60 °C (32 to 140 °F)
Input current for "1" signal	typ. 1.5/8.5 mA	- vertical arrangement	0 to 40 °C (32 to 104 °F)
Inherent delay	typ. 180 µs	Length of cable	
Input frequency	max. 500 Hz	- unshielded	max. 100 m (330 ft.)
Connection of 2-wire BERO proximity switches (24 V DC)	possible	Insulation rating	VDE 0160
- quiescent current	1.5 mA	Rated insulation voltage (inputs and outputs to each other and to $\perp$; input to +9 V)	60 V AC
Length of cable		- insulation group	1xB
- unshielded	max. 50 m (165 ft.)	- tested with	1250 V AC
Number of Outputs	2	Current consumption	
Galvanic isolation	yes	- from +9 V (CPU)	typ. 20 mA
Supply voltage L+ (for load)		Power loss of the module	typ. 2.5 W
- rated value	24 V DC	Weight	approx. 200 g (7 oz.)
- permissible range (including ripple)	20 to 30 V		
Output current for "1" signal			
- rated value	0.5 A		
- permissible range	5 to 500 mA		
- lamp load	max. 5 W		
Residual current at "0" signal	max. 1 mA		
Output voltage			
- for "0" signal	max. 3 V		
- for "1" signal	max. L+-2.5 V		
Short-circuit protection	electronic		
Fault indication (red LED)	short-circuit		
Voltage induced on circuit interruption (internal) limited to	L+-47 V		
Switching frequency			
- resistive load	max. 100 Hz		
- inductive load	max. 2 Hz		