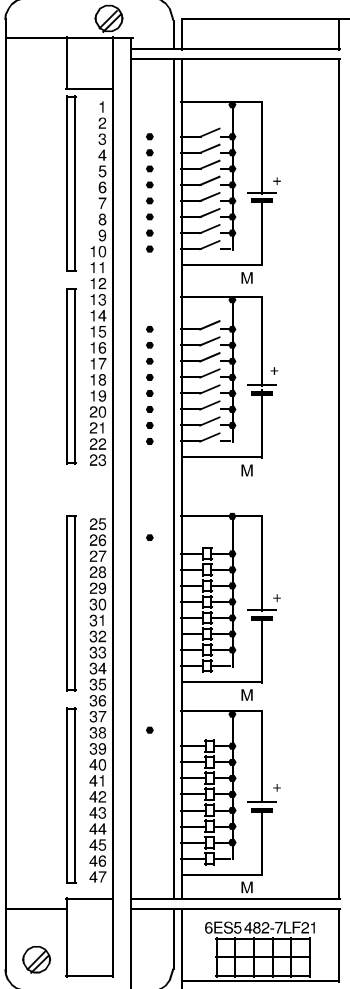


Digital Input/Output Module 32 x 24 V DC; 0.5 A, Safety-Related

(6ES5 482-7LF21)

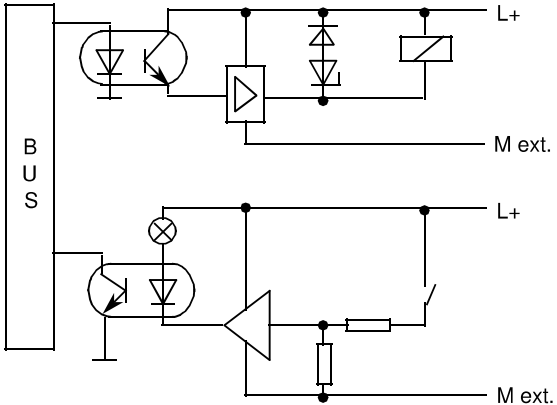


DIGITAL
INPUT/OUTPUT
32x24VDC

Technical Specifications

Number of inputs	16, for reading: P potential
Floating	yes (optocoupler)
- isolated in groups of	8, connected to common M potential
Input voltage	
- rated value	24 V DC
- permissible range	20 to 30 V
- value at $t = 0.5$ sec.	35 V
Input current	
- at "1" signal	typ. 0.8 mA
Response time	
- from "0" to "1"	1.4 to 5 ms
- from "1" to "0"	1.4 to 5 ms
Note: Inputs can only be used as read-back inputs by 24 V safety-related outputs in the other subunit!	
Number of outputs	16, for output: M potential
Floating	yes (optocoupler)
- isolated in groups of	8
Output current	
at "1" signal	
- rated value	0.5 A
The technical specifications for the outputs correspond to those of the 6ES5 451-7LA11 digital output module.	
Output	0 to 3 and 4 to 7 8 to 11 and 12 to 15
	can be switched in parallel
Parallel current	$0.8 \times I_{\text{rated}}$
Permissible current of outputs	100% at 35°C and 50% at 55°C (referred to the sum of the currents of a group)
Cable length	
- shielded	max. 100 m (328 ft.)
- unshielded	max. 60 m (197 ft.)
Insulation rating	to VDE 0160
Rated insulation voltage (between groups)	30 V
- insulation group	C
- tested with	500 V
Current consumption	
- from 5 V (internal)	max. 50 mA
Power loss	typ. 18 W
Weight	approx. 0.7 kg (1.54 lbs.)
The inputs and outputs are referenced under the same address (e.g. I 0.0 to I 1.7 and Q 0.0 and Q 1.7).	

Terminal assignment



Simplified schematic

Example: Connection of an actuator via the modules 482-7LF11 and 482-7LF21

The following figure shows how an actuator is triggered via the modules 482-7LF11 and 482-7LF21. The byte address of the inputs and outputs is marked with an x ; it corresponds to the start address of the module.

