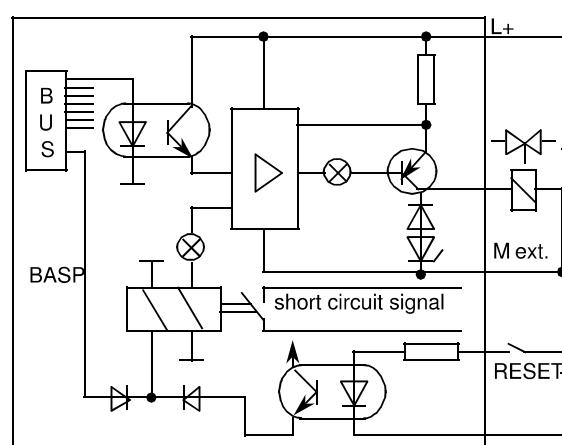


Digital Output Module 16 x 24 to 60 V DC; 0.5 A, Floating

(6ES5 453-7LA11)

Technical Specifications		
Number of outputs	16	
Galvanic isolation	yes (optocoupler)	
- in groups of	8	
Load voltage L+	24 to 60 V DC	
- rated value	20 to 75 V	
- permissible range	87 V	
- surge voltage at t = 0.5 sec.		
Output voltage		
- for "1" signal	max. L+ - 2.5 V	
Output current		
for "1" signal		
- rated value	0.5 A	
- lamp load	max. 5 W	
Leakage current		
for "0" signal	max. 1 mA	
Parallel connection		
of outputs	not possible	
Permissible total current		
of outputs, per group	100%	
Short circuit protection	electronic	
Short circuit indicator	red LED (each group)	
Short circuit signal	latching ¹	
(latching relay contact)		
Type of relay	V23042 B201 B101	
- load	100 V DC; 0.2 A	
- switching capacity	20 W or 35 VA	
- reset input	24 V DC	
Limitation of the voltage induced		
on circuit interruption	- 30 V	
Switching frequency		
- inductive load	max. 0.5 Hz	
- resistive load	max. 100 Hz	
Cable length		
- shielded	max. 1000 m (3281 ft.)	
- unshielded	max. 600 m (1969 ft.)	
Isolation rating	according to VDE 0160	
Rated isolation voltage		
(between groups)	75 V DC	
- isolation group	C	
- tested at	500 V AC	
Rated isolation voltage		
(L+ to ---)	75 V DC	
- isolation group	C	
- tested at	500 V AC	
Current consumption		
- from +5 V (internal)	50 mA	
- from L+ (without load)	50 mA / per group	
Power losses of		
the module	typ. 14 W	
Weight	approx. 0.7 kg (1.54 lb.)	

Terminal Assignment



Simplified Schematic

¹ Pickup delay: approx. 1 sec. after start of short circuit