

## DEA 300, Digital Output Modules



Digital output modules with 16 and 32 outputs

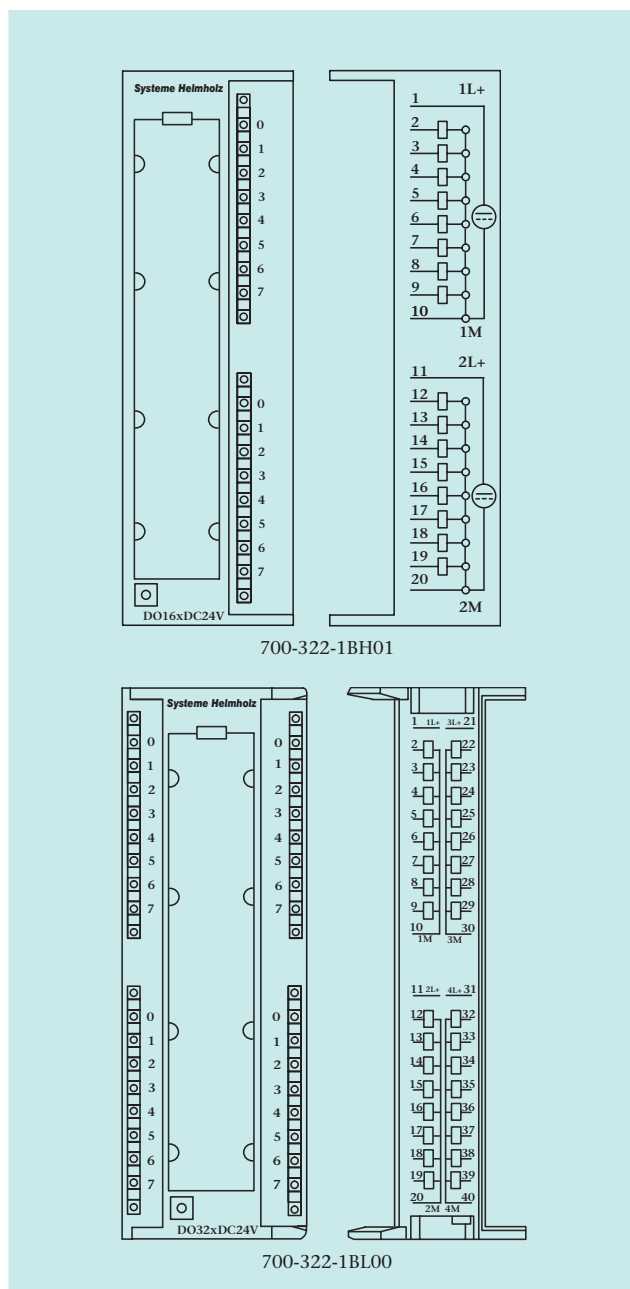
The digital outputs convert the internal signal level to the external signal level required for the process. Green LEDs indicate the signal state of the outputs.

The outputs of the modules from the Systeme Helmholz GmbH are also suitable for connection of, for example, solenoid valves, contactors, and small-power motors within the permissible data.

Modules with modified specifications or special modules can be supplied on request.

**Accessory-Note**

The Systeme Helmholz GmbH supplies front connectors and cable sets (see page 27).

**Ordering Data**

	Order-No.
<b>DEA 300</b>	
16 output (DC 24 V, 0.5 A)	700-322-1BH01
32 output (DC 24 V, 0.5 A)	700-322-1BL00
<b>Manual DEA 300, german/english</b>	900-321-1DE11

## DEA 300, Digital Output Modules

Technical Data			
		700-322-1BH01	700-322-1BL00
<b>Number of outputs</b>		<b>16</b>	<b>32</b>
Isolation (from backplane bus) in groups of		yes (optocoupler) 8	yes (optocoupler) 8
<b>Supply voltage <math>V_E, V_S</math></b>			
- nom. value		DC 24 V	DC 24 V
- ripple $V_{PP}$	max.	3.6 V	3.6 V
- permissible range (with ripple)		20 ... 30 V	20 ... 30 V
- value at $t < 10$ ms	max.	50 V	50 V
<b>Output current</b>			
- nom. value		0.5 A	0.5 A
Short-circuit protection		electronic	electronic
Voltage induced on circuit interruption limited to		-48 V	-48 V
<b>Cable length</b>			
- unshielded	max.	600 m	600 m
- shielded	max.	1000 m	1000 m
<b>Current consumption</b>			
- internal (backplane bus)	max.	45 mA	85 mA
- ext. w/o load (from +24 V)	typ.	110 mA	220 mA
Power loss (nominal operation)	typ.	5 W	6,8 W
Front connector		20-way	40-way
<b>Permissible ambient conditions</b>			
- ambient temperature (during operation)		0°C ... 60°C	0°C ... 60°C
- transport and storage temperature		-25°C ... 75°C	-25°C ... 75°C