

# DIGITAL I/O

- DIGITAL ACQUISITION MODULES
- UP TO 32 INPUTS AND 32 OUTPUTS
- RS485



## FEATURES

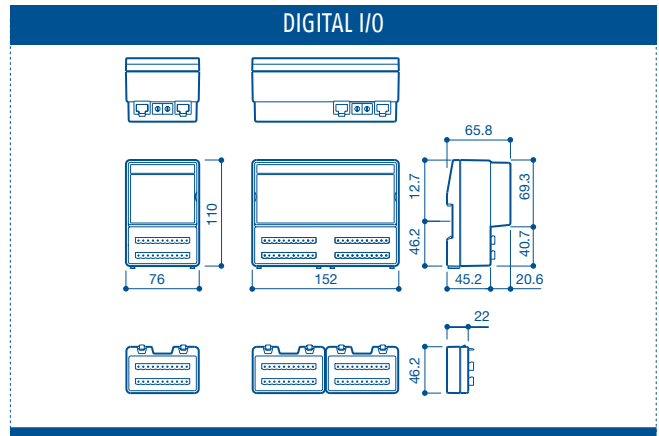
INPUTS	DI-16LV	DI-16HV	DI-32LV	DO-16TS	DO-16TP	DO-32TS
Number of inputs	16		32	--		
Type of inputs	24 Vdc	115 Vac	24 Vdc	--		
OUTPUTS						
Number of outputs	--		16		32	
Voltage	--		24 Vdc		--	
Current	--		500 mA	2 A	500 mA	
FUNCTIONAL						
Modbus protocol	Available	--		Available	--	
CANOpen protocol	Available					
Serial communication	RS 485, with dual connector RJ45					
Isolation class	800 V	2500 V	800 V		--	
GENERAL						
Power supply	24Vdc (-15...+25%) (50/60Hz)					
Power consumption	4 VA max.					
Dimensions	76 x 110 mm, depth 66 mm		152 x 110 mm, depth 66 mm	76 x 110 mm, depth 66 mm		152 x 110 mm, depth 66 mm
Weight	220 g		360 g	220 g		360 g
Mounting	On OMEGA DIN A rail					
Connections	2 terminal blocks with 11 poles 5.0mm, with screws or CLAMP terminals		4 terminal blocks with 11 poles 5.0mm, with screws or CLAMP terminals	2 terminal blocks with 11 poles 5.0mm, with screws or CLAMP terminals		4 terminal blocks with 11 poles 5.0mm, with screws or CLAMP terminals
Protection degree	IP20					
Operating / storage temperature	0... 55°C / -20... 85°C (32... 131°F / -4... 185°F)					
Operating humidity	5... 95% RH% without condensation					
Conformity	EN 50081-2, EN 50082-2, EN 61010					

Note: through modules DX and DY, these instruments can be interfaced on Profibus, CANOpen and DeviceNet nets.

## HOW TO ORDER

CODE	PROTOCOL	DESCRIPTION	CHANNELS	
			1	0
<b>DIGITAL INPUTS</b>				
IO-CBD16LV	CANopen	24 Vdc PNP	16	
IO-MBD16LV	Modbus	24 Vdc PNP	16	
IO-CBD16HV	CANopen	24 Vdc PNP	16	
IO-CBD132LV	CANopen	24 Vdc PNP	32	
<b>DIGITAL OUTPUTS</b>				
IO-CBD016TS	CANopen	24 Vdc 0.5 A		16
IO-MBD016TS	Modbus	24 Vdc 0.5 A		16
IO-CBD016TP	CANopen	24 Vdc 2 A		16
IO-CBD032TS	CANopen	24 Vdc 0.5 A		32

## DIMENSIONS



## ACCESSORIES

<b>CABLES</b>	
APS2 LOCALBUS76	CABLE WITH CONNECTOR RJ45 L=14 CM FOR RS485
APS2 LOCALBUS152	CABLE WITH CONNECTOR RJ45 L=22 CM FOR RS485
APS2 LOCALBUS500	CABLE WITH CONNECTOR RJ45 L=50 CM FOR RS485
<b>POWER ADAPTORS</b>	
APS2 ALDR75-24	POWER ADAPTOR 3.2 A
APS2 ALDR12024	POWER ADAPTOR 5 A
<b>PLUGS</b>	
APS2 SPINAM11	PLUG WITH 11 POLE CLAMP TERMINALS
APS2 SPINAV11	PLUG WITH 11 POLE SCREW TERMINALS
<b>TERMINALS AND CONNECTORS</b>	
APS2 TB211	TERMINAL BLOCK
APS2 TERMCAN	CONNECTOR RJ45 WITH CAN TERMINAL

# DIGITAL I/O

- DIGITAL ACQUISITION MODULES
- UP TO 16 INPUTS AND 16 OUTPUTS
- RS485



## FEATURES

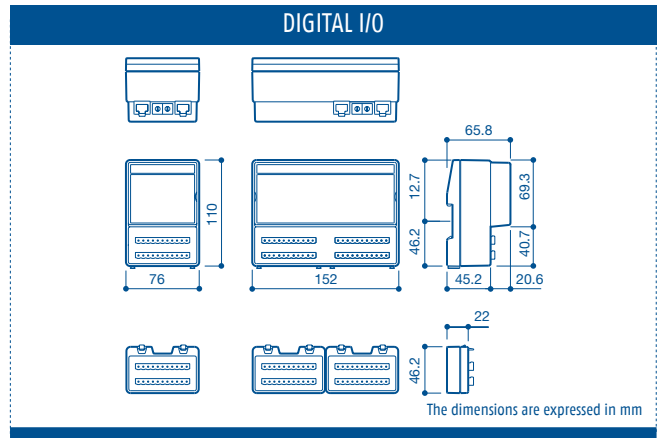
INPUTS	DO-04RL	DO-04TX	DO-08RL	DM-08TS	DM-16TS	DM-32TS
Number of inputs	--			8	16	
Type of inputs	--			24 Vdc		
<b>OUTPUTS</b>						
Number of outputs	4		8		16	
Relay	250 Vdc Relay	24 Vdc Relay	250 Vac Relay	--		
Voltage	--		--		24 Vdc	
Current	2 A (SPST) 1 A (SSR)	6 A	2 A (SPST) 1 A (SSR)	500 mA		
<b>FUNCTIONAL</b>						
Modbus protocol	--			Available	--	
CANOpen protocol	Available					
Serial communication	RS 485, with dual connector RJ45					
Isolation class	4000 V	800 V	4000 V	800 V		
<b>GENERAL</b>						
Power supply	24 Vdc (-15...+25%) (50/60 Hz)					
Power consumption	4 VA max.					
Dimensions	76 x 110 mm, depth 66 mm		152 x 110 mm, depth 66 mm	110 x 76 mm, depth 76 mm		152 x 110 mm, depth 66 mm
Weight	220 g		360 g	220 g		360 g
Mounting						
Connections	2 terminal blocks with 11 poles 5.0mm, with screws or CLAMP terminals		4 terminal blocks with 11 poles 5.0mm, with screws or CLAMP terminals	2 terminal blocks with 11 poles 5.0mm, with screws or CLAMP terminals		4 terminal blocks with 11 poles 5.0mm, with screws or CLAMP terminals
Protection degree	IP20					
Operating / storage temperature	0... 55°C / -20... 85°C (32... 131°F / -4... 185°F)					
Operating humidity	5... 95% RH% without condensation					
Conformity	EN 50081-2, EN 50082-2, EN 61010					

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			1	0
<b>RELAY OUTPUTS</b>				
IO-CBD004RL	CANOpen	SPST-NO 2 A		4
IO-CBD004TX	CANOpen	SPST-NO 6 A		4
IO-CBD008RL	CANOpen	4 SPST-NO 2 A + 4 SPDT 2 A		8
<b>DIGITAL I/O</b>				
IO-CBDM08TS	CANOpen	24 Vdc PNP - 24 Vdc 0.5 A		8
IO-MBDM08TS	Modbus	24 Vdc PNP - 24 Vdc 0.5 A		8
IO-CBDM16TS	CANOpen	25 Vdc PNP - 24 Vdc 0.5 A	8	8
IO-CBDM32TS	CANOpen	26 Vdc PNP - 24 Vdc 0.5 A	16	16

## DIMENSIONS



## ACCESSORIES

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<b>PLUGS</b>	
APS2 SPINAM11	PLUG WITH 11 POLE CLAMP TERMINALS
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<b>TERMINALS AND CONNECTORS</b>	
APS2 TB211	TERMINAL BLOCK
APS2 TERMCAN	CONNECTOR RJ45 WITH CAN TERMINAL