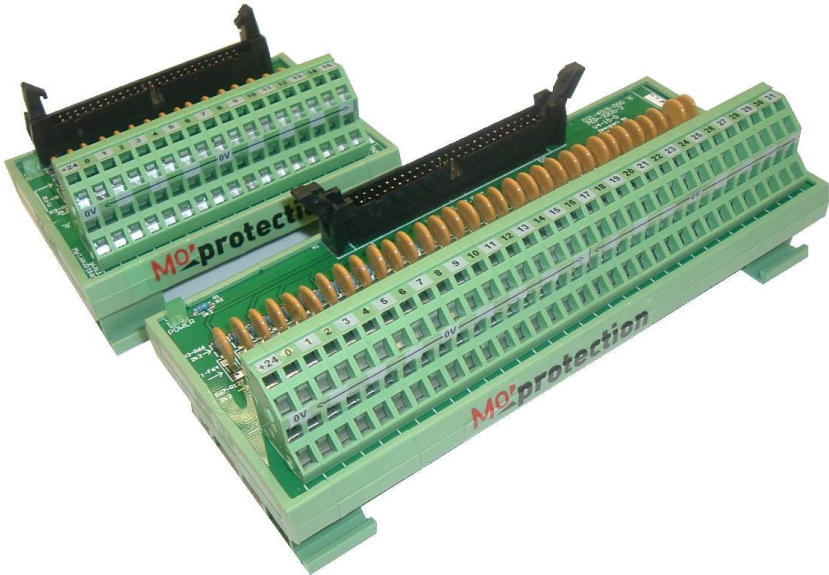


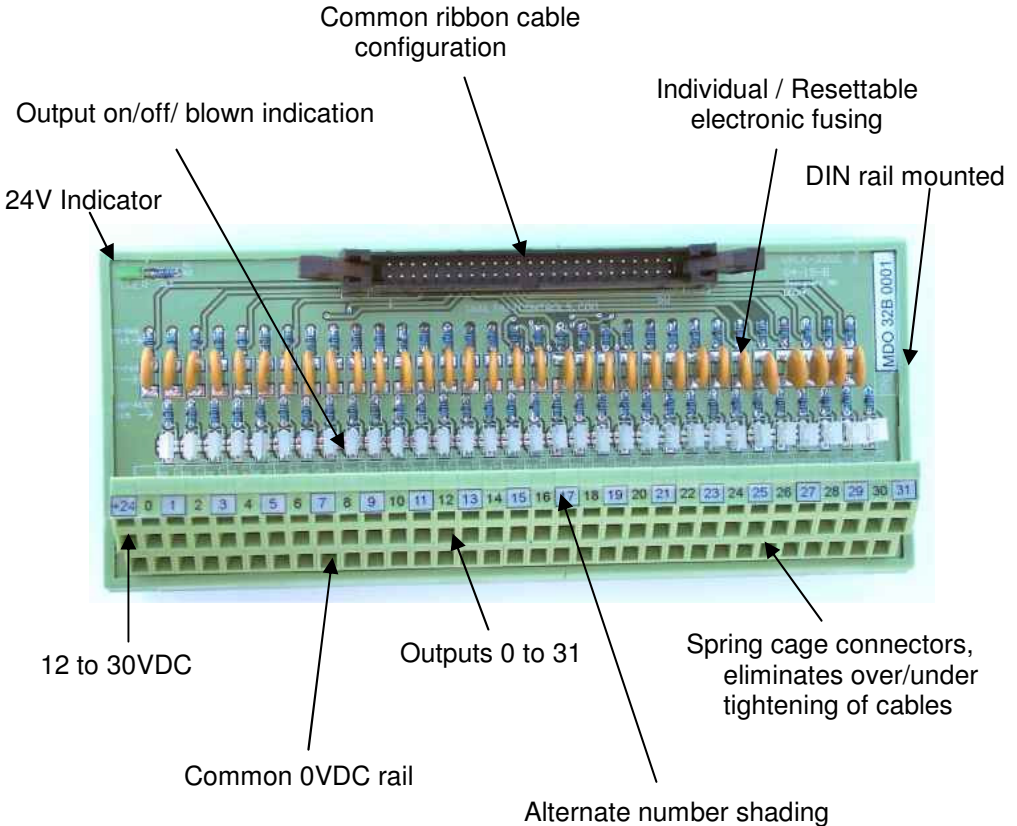
Installation Instructions



MO'protection™

PLC I/O Wiring System
Fused Digital Output Modules
Document No. 722-4015-D00

Major Features



This product is designed to meet Council Directive 73/23/EEC low voltage, by applying the safety requirements EN 61131-2.

This equipment is classified as open equipment and must be installed (mounted) in an enclosure during operation as a means of providing safety

Wiring and Setup Instructions

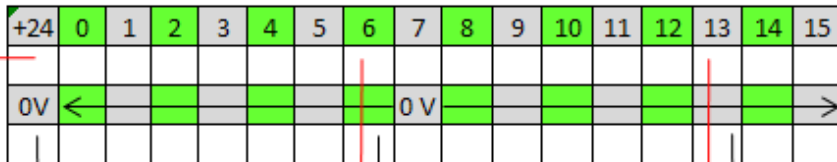
Terminal Descriptions	
MOP Terminal	Description
+24	+24V DC Input
0V	0V
0-15 ^{NOTE 1} 1-16 ^{NOTE 2} 0 - 31 ^{NOTE 3} 1 - 32 ^{NOTE 4}	Fused Output Terminals (number of terminals and starting number depends on module)

Note 1: MOP-16DO-0

Note 2: MOP-16DO-1

Note 3: MOP-32DO-0

Note 4: MOP-32DO-1



24VDC 0V
Power Supply

+ -
Solenoid

+ -
Lamp

Wiring the Terminal Block

- The use of wire ferrules is recommended
- Insert a flat bladed screwdriver into the upper hole of the terminal
- Insert the wire into the open terminal and remove the screwdriver

Specifications	
Number of Outputs	16 or 32
Normal Voltage Range	10 to 32VDC
Maximum Voltage	60VDC
Fuse Type	Self Resetting PolyFuse
Fuse Current	Hold: 750mA per output Trip: 1.5A per output
One Hour Post Trip Resistance	0.6 Ohms
Module Current	2.5 Amps @ 24VDC
Initial Resistance @ 25 °C	Min: 0.25 Ohms, Max: 0.40 Ohms
Thermal Dissipation	10.37 BTU/hr @ 60 °C
Termination	Spring Clamp
Field Conductor Size	Solid - 0.2 to 2.5mm Flexible - 0.2 to 1.5mm AWG - 24 to 14
Mounting	DIN Rail EN50 022,35,45
Operating Temperature	0 to 60 °C
Storage Temperature	0 to 85 °C
Relative Humidity	5 to 95% non condensing
16-Way Dimensions (L x W x H) (mm)	102 x 78 x 53
32-Way Dimensions (L x W x H) (mm)	183 x 78 x 53
Power LED Indicator	Off = 24VDC supply not connected On = 24VDC supply connected
Output LED Indicators	Off = Output Off Green = Output On and fuse OK Red = Output On and fuse blown

Ordering Information	
TCS Part Number	Description
003-2021-000	MOP-16DO-0 (terminals labelled 0-15)
003-2021-002	MOP-16DO-1 (terminals labelled 1-16)
003-2022-000	MOP-32DO-0 (terminals labelled 0-31)
003-2022-002	MOP-32DO-1 (terminals labelled 1-32)

* PLC to module wiring assembly available—please enquire



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