MOP-16-32DOSpecifications

Number of Inputs	32
Channel Current	1 Amp @ 24VDC
Initial Resistance @ 23 degrees C	Min 0.18 ohms
	Max 0.40 ohms
Thermal Dissipation	10.37 BTU/hr @ 60 degrees C
Post Trip Resistance	0.60 ohms
Normal Voltage Range	10 to 32VDC
Maximum Voltage	60VDC
Diagnostic Functions	Nil
Termination	Spring Clamp
Mounting	DIN Rail EN50 022,35,45
Field conductor size	Solid - 0.2 to 2.5mm
	Flexible - 0.2 to 1.5mm
	AWG - 24 to 14

Environmental Conditions
- Operating Temperature   0 to 60 degrees C
- Storage Temperature   -40 to 85 degrees C
- Relative Humidity   5 to 95% non-condensing

Dimensions (W x H x L)   77mm x 54mm x 101mm

Ordering Details

16—32 way straight output module	MOP-16-32DO
Ribbon Connector for 20 way swing arm	MOP-C20-t-x.x
	x.x denotes length in metres
	t denotes PLC Type

Panel assembly example

- Minimize faults
- Minimize Space
- Minimize Time
- Minimize Cost

- Maximize Protection
- Maximize Returns
- Maximize Efficiencies

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**MOP–16-32DO
Combiner
Module**

User Manual

MO²protection™

**PLC I/O Wiring System
16–32 way Combiner Module
Cat No.   MOP-16-32DO
Document No. 722-4055-A00
Email: sales@tcs-nz.co.nz**
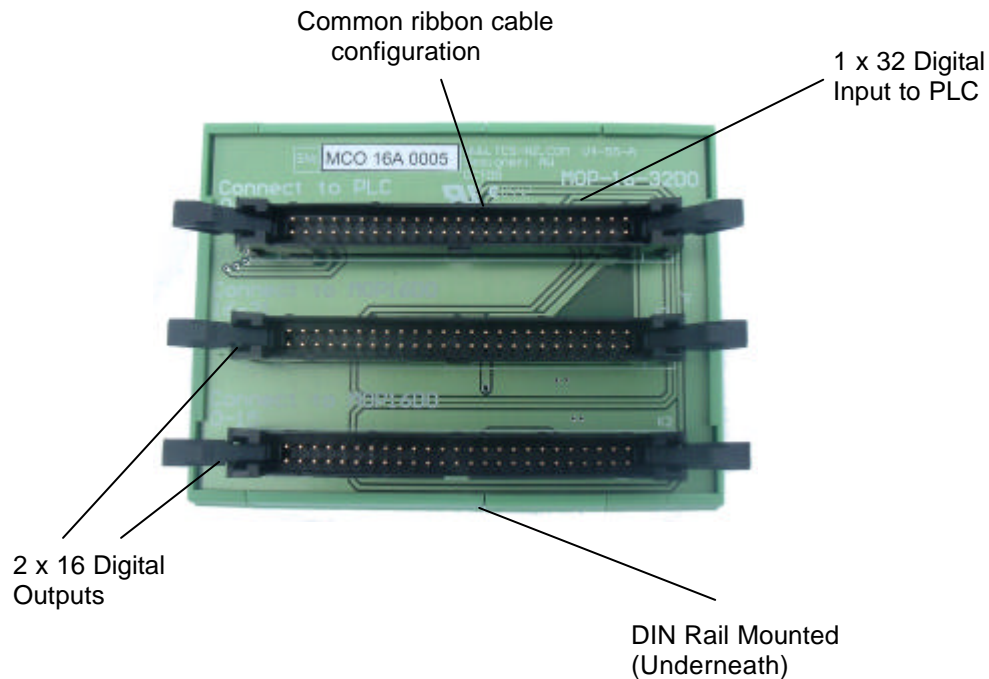
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MO protection . A PLC I/O wiring system that provides fused protection to reduce exposure from component failure that could cripple an automated plant. In addition to the increased protection this PLC I/O wiring system minimizes PLC panel assembly time. It has factory assembled wiring looms and DIN rail mounted chassis.

MO protection . The most advanced PLC I/O wiring system of its type with features that will return real benefits.
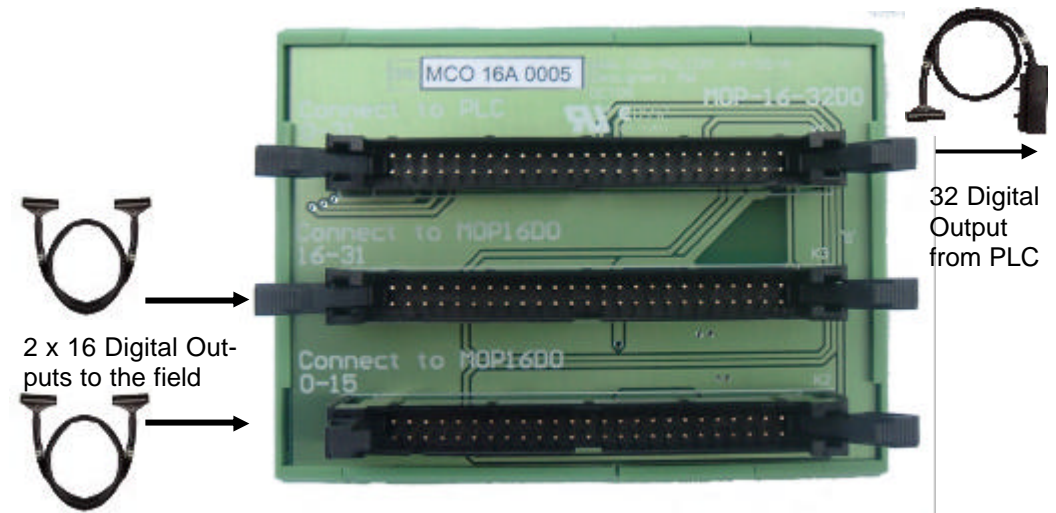
Major Features

The TCS MoProtection Combiner Module allows 2 types of 16 way MoP Digital Out modules to connect to a single 32 Way Digital Out PLC Module. This has the advantage of being able to mix 16 way output modules to a single 32 way PLC output module.

16Way Module Type	32Way Module Type
MoP 16DO	MoP 32DO
MoP 16RO	
MoP 16RO-FS	

Common ribbon cable configuration

1 x 32 Digital Input to PLC

2 x 16 Digital Outputs

DIN Rail Mounted (Underneath)

Wiring and Setup Instructions

32 Digital Output from PLC

2 x 16 Digital Outputs to the field

The Module
1. The module combines data from 2 x 16 Output MoP modules into a single MoP 32DO PLC module.
2. The example above shows the cabling necessary to connect the module into the network.
3. All terminals with the same name are connected together on the module

Wiring the Terminal Block (TB)
1. Plug premade TCS cables into the connectors shown on above diagram.

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 protection.

PLC to module Wiring Assembly

Note: PLC terminal block is not included with the ribbon cable as the terminal block is dependent on the PLC make and the module type