MOP-36ST Specifications

Number of Terminals	36
Fuse Type	Standard Blow 20 x 5mm glass fuse
Fuse Current	250ma
Channel Current	1.0 Amp Maximum
Normal Voltage Range	10 to 24VDC
Maximum Voltage	24VDC
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% noncondensing
Dimensions (W x H x L)	76.5mm x 65mm x 204mm

Accessory

PLC to MOP module Wiring Assembly

This is available either with or without the MOP Module. It can be made to measure with or without the PLC Connector block attached.

Note : It isn't included with the MOP Module because of PLC Type variations.

Ordering Details

36 way Straight Module with 24VDC Fused Outputs	MOP-ST36
Ribbon Connector for 36 way swing arm	MOP-ST36-t-x.x
	x.x denotes length in metres
	t denotes PLC Type

Caution : *MOP equipment is classified as open equipment and must be installed (mounted) in an enclosure during operation to provide safety protection.*

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

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MOP36ST Straight Module

User Manual
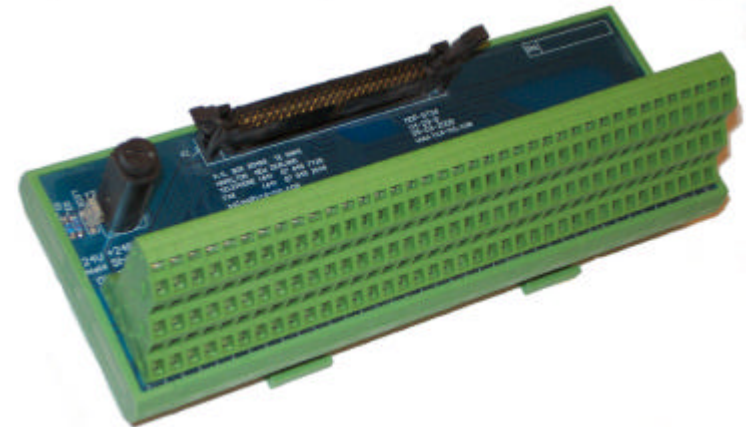
MOprotection™

PLC I/O Wiring System
36 way Straight Module
Cat No.   MOP-36ST
Document No. 722-4029-B00

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Introducing MO²protection

MO²protection - is 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.
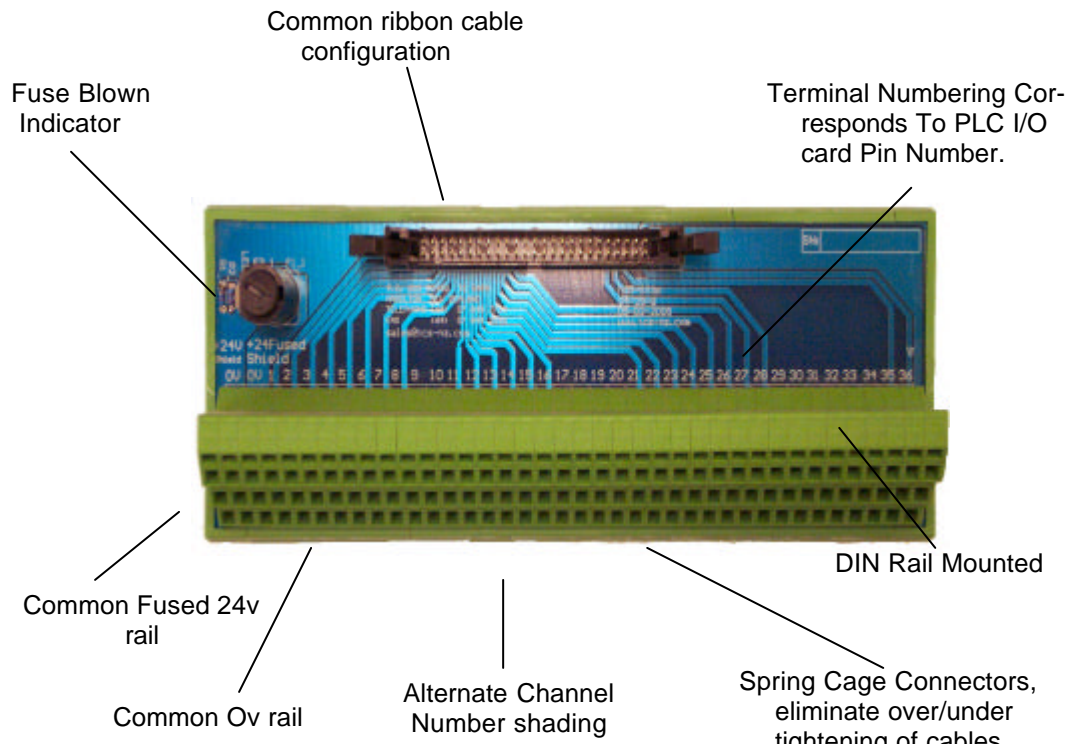
MO²protection - is the most advanced PLC I/O wiring system of its type with features that will return real benefits.

MO²protection - is TCS-NZ Ltd's latest addition to its range of value-added safety devices.

MO²protection - is the most cost competitive product of its kind on the market.
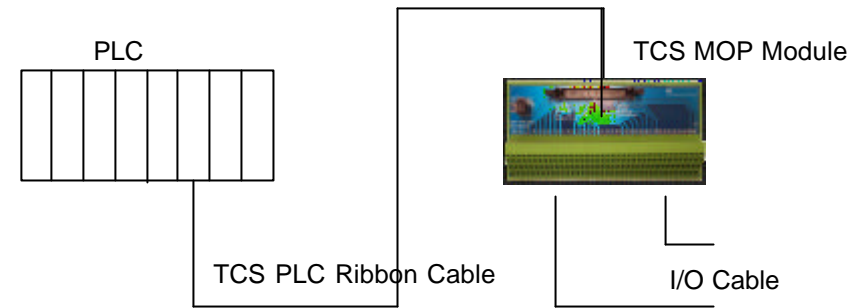
Overview of the MOP36ST

The MOPST36 module connects freeform I/O wiring directly to the PLC via a made to measure TCS cable. It provides easy termination of the larger core field wiring to the much smaller socket connector of the PLC module.It is especially suitable for connection to the AB1756 I/O Block. In addition it has a number of other value-added features shown here : -
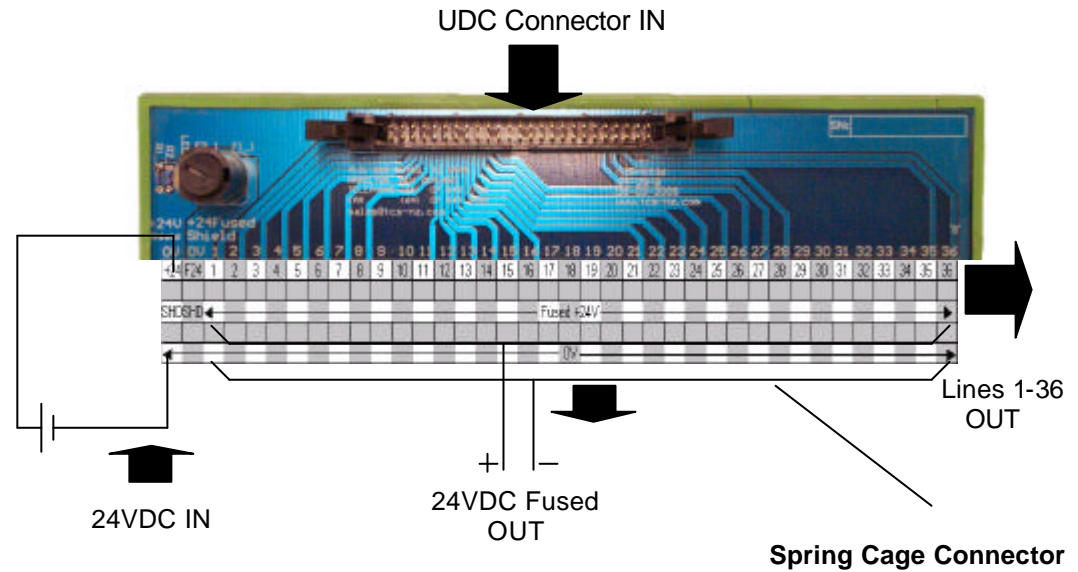
Common ribbon cable configuration

Terminal Numbering Corresponds To PLC I/O card Pin Number.

Fuse Blown Indicator

Common Fused 24v rail

Common 0v rail

Alternate Channel Number shading

Spring Cage Connectors, eliminate over/under tightening of cables

DIN Rail Mounted

Installation of the MOP36ST

PLC To Module Wiring Schematic

PLC

TCS MOP Module

TCS PLC Ribbon Cable

I/O Cable

Wire The MOP36ST according to the following diagram :-

UDC Connector IN

Lines 1-36 OUT

24VDC IN

24VDC Fused OUT

Spring Cage Connector

Wiring Notes :-

Module
1. You can only connect wiring to the module on the terminal block.
2. All terminals with the same name are connected together on the module.
3. The module requires a single voltage source connected to the +24 and 0V terminals.

Terminal Block (TB)
Wire the TB with a 3.2mm maximum flat-bladed screwdriver
1. Strip 9.5mm maximum length of wire
2. Insert the screwdriver into the upper hole of the terminal
3. Insert the wire into the open terminal and remove the screwdriver
Note: Its is advisable to use wire ferrules