



Main

Range of product	Modicon Premium Automation platform
Product or component type	ISP Plus weighing module

Complementary

Product destination	In conjunction with products for zone 21 or 22
Number of measurement input	1
Resolution	1048576 points
Analogue input resolution	20 bits
Measuring rate	50 measurements per second
Input impedance	> 1 MOhm
Input compatibility	Load cell 1...8 350 Ohm yes 300 m
Sensor power supply	10 V DC
Output compatibility	Discrete reflex 2 positive
Discrete output voltage	24 V DC
Discrete output current	500 mA
Response time on output	1 ms
Transmission rate	9.6 kbit/s RS485 non isolated <= 30 m discrete reflex weight indicator
Voltage division	1 µV
Electrical connection	1 female connector SUB-D 9 for RS485 serial link to the weight indicator 1 female connector SUB-D 15 for the indicator input 1 connector screw terminal block for connecting 2 discrete reflex
Marking	CE II2 G/D-EEx ib IIB T6 II2 G/D-EEx ib IIC T6
Current consumption	150 mA 5 V DC 145 mA 24 V rack
Module format	Standard
Product weight	0.42 kg

Environment

Ambient air temperature for operation	0...60 °C
Ambient air temperature for storage	-25...70 °C
Relative humidity	5...95 % without condensation for storage 10...95 % without condensation for operation
Operating altitude	0...2000 m
Standards	Directive ATEX 94/9/EC EN 50014 EN 50020 EN 50039 EN 50281-1-1 EN 50284

Dust zone	Outside zone
Product certifications	LCIE 03ATEX6399X

Offer Sustainability

Sustainable offer status	Not Green Premium product
RoHS	Will not be Compliant

Standard and Extendable Racks for Modules Mounting

Dimensions of Modules and Racks



(1) With screw terminal block modules.

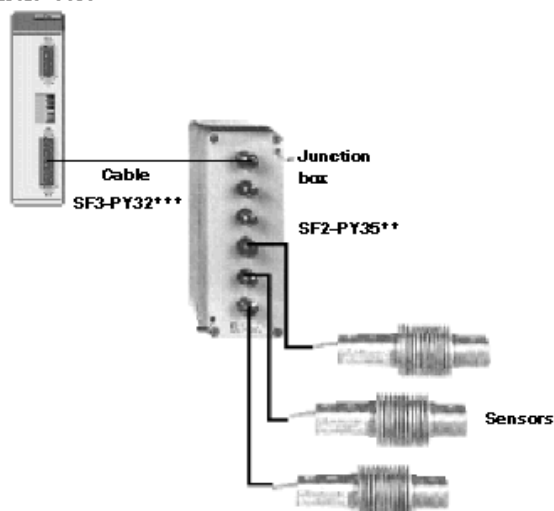
(2) Maximum depth for all types of modules and their associated connectors.

Connecting the Measurement Sensors

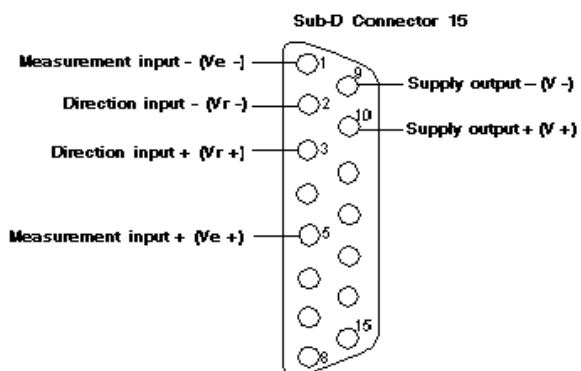
Cabling Accessories

The measurement sensors are connected to the module 15 pin female SUB-D connector.

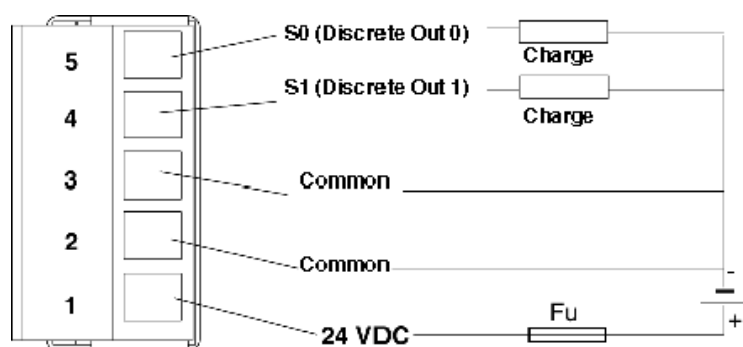
TSX ISP Y101



15-pin SUB-D Connector Pinout



Connection to Discrete Outputs of the Weighing Module



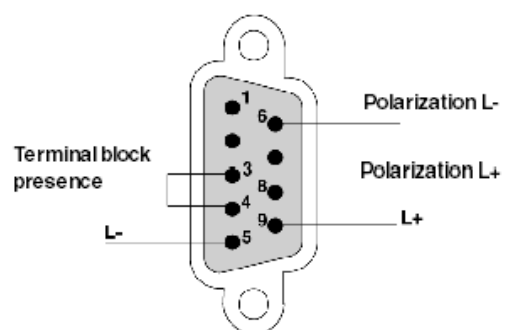
Fu Fast-acting fuse

The common 2 and 3 are linked by the card.

Serial Link for the Display Panel

Module Connector Pinout

The RS 485 serial link is used to carry over the weight to an external display panel.



The line on the module side is polarized using straps 6-5 and 8-9.