

Unmanaged 4-port Ethernet Fibre Switch

SDI-541-MM-SC2/SM-SC30



- ■ ■ Simple automation connectivity solution
 - 4 10/100 Base T ports
 - 1x 100 Base-FX ports (single & multimode solution)
 - Transparent to automation Ethernet protocols
- ■ ■ Designed for easy industrial installation
 - DIN rail mount
 - 18 to 32 VDC and 18 to 27 VAC
 - Fault relay alarm
- ■ ■ Operation within industrial environments
 - -10 to +60°C (-14 to +140°F) operating temperature
 - IP31 Aluminium case
- ■ ■ Easy configuration and use
 - DIP switch fault contact configuration
 - No user set up required
 - Simple LED indicators



The SDI-541 is a simple and cost effective unmanaged switch suitable for use in a wide range of factory and building automation applications. Two models are available - The SC2 for use on up to 2 km (1.24 mi) of multimode fibre and the SC30 for single-mode applications to 30 km (18.6 mi). A high speed switch core ensures full speed on all ports and transparency to any Ethernet protocol.

The unit is designed for DIN rail mounting into industrial cabinets allowing simple Ethernet connections to be established between PLCs, I/O units, drives, inverters and HMIs. The voltage input of around 24 VDC or AC makes the unit ideal in these types of application and the fault relay can be connected to an I/O unit to provide simple network management.

Designed to work in industrial environments with its IP31 aluminium housing and a wide temperature specification the SDI-541 is an ideal automation solution,

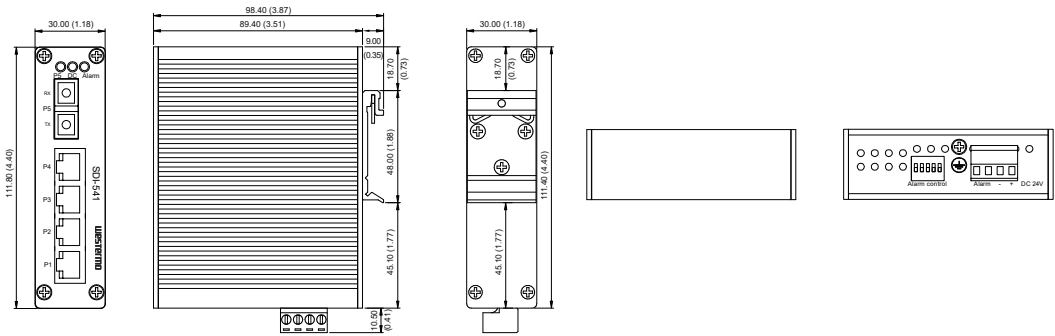
The SDI-541 is so easy to use, simply connect power to the screw terminals and plug in the RJ-45 cables. If you plan to use the fault contacts, a DIP switch allows configuration whilst LEDs provide simple diagnostics if required.

Ordering Information

Art.no	Description
3625-0001	Westermo SDI-541-MM-SC2
3625-0010	Westermo SDI-541-SM-SC30

Specifications SDI-541-MM-SC2 / SM-SC30

Dimensional drawing



Dimension W x H x D 30 mm x 111.8 mm x 98.2 mm (with DIN rail clip)

Weight 377 g with package, 295 g without package

Degree of protection IP31

Power	
Rated voltage	24 VDC
Operating voltage	18 to 32 VDC
Power consumption	4 W at 24 VDC

Interfaces	
Ethernet	4 x 10/100 Base-TX with auto MDI/MDI-X function, auto-negotiation 1 x 100Base-FX supports multimode or singlemode fibre

Temperature	
Operating	-10 to +60°C (-14 to +158°F)
Storage & Transport	-40 to +85°C (-40 to +185°F)

Agency approvals and standards compliance	
EMC	EN 55032 Electromagnetic compatibility of multimedia equipment - Emission requirements
	EN 55035 Electromagnetic compatibility of multimedia equipment - Immunity requirements
	EN 61000-6-2, Immunity industrial environments
	EN 61000-6-4, Emission industrial environments
	FCC part 15 class A