Industrial Ethernet 5-port Switch

SDW-532

- Easy to install and use
  - Purpose built DIN rail casing with integral clip
  - Port auto-negotiation and polarity detection
  - Transparent to industrial Ethernet protocols
- Designed for use in harsh industrial applications
  - Dual 10 - 57 VDC power input
  - Total galvanic isolation between each cable screen
  - IP21
- Robust for long service life
  - 1,347,000 hours MTBF to MIL-HDBK-217F-N2
  - -25 to +70°C (-13 to +158°F) with no moving parts
  - Industrial EMC, shock and vibration testing
- Diagnostics and legacy connectivity
  - Port mirroring function
  - Diagnostic LEDs
  - DIP switches to lock port parameters for old equipment

EN 61000-6-2 Industrial Immunity

EN 61000-6-4 Industrial Emission

The SDW-532 is an unmanaged 5 port (3TX and 2FX) industrial Ethernet switch designed for easy use in heavy duty industrial applications. The unit supports 802.1Q long packets which allows all standard industrial Ethernet protocols to be used. A number of standard fibre optic connection types are supported including LC, SC and ST.

The SDW-532 is designed for use in industrial applications and so has dual power inputs for 10 to 57 VDC operation. Total galvanic isolation between each port is reinforced by the unique isolation provided between each chassis screen helping to avoid ground loop currents. The IP21 rating ensures that the unit can be installed in locations where condensed water may occur.

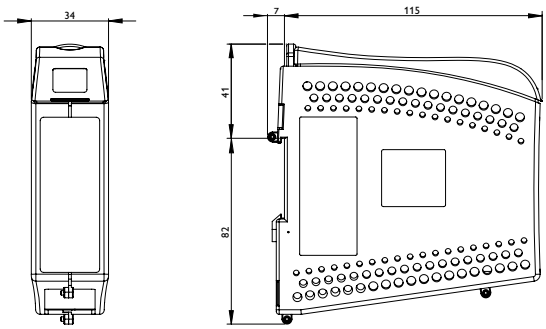
Only industrial grade components are used which gives the SDW-532 an MTBF of 1,347,000 hours and ensures a long service life. A wide operating temperature range of -25 to +70°C (-13 to +158°F) can be achieved with no moving parts. The SDW-532 has been tested both by Westermo and external test houses to meet many EMC, isolation, vibration and shock standards, all to the highest levels suitable for heavy industrial environments.

Network diagnostics are simplified with the inclusion of port mirroring on one port allowing data flow through the switch to be monitored using a network analyzer. All five ports can have data rate and flow control locked by DIP switch which can eliminate problems with old legacy Ethernet equipment that is unable to support auto negotiation.

Ordering Information	
Art.no	**Description**
3644-0030	SDW-532-MM-SC2
3644-0032	SDW-532-SM-LC15
3644-0033	SDW-532-MM-LC2
3644-0034	SDW-532-SM-SC15
3644-0035	SDW-532-SM-LC40
3125-0150	PS-60, Power supply, DIN mounted (Accessories)

Specifications SDW-532

Dimensional drawing



Dimension W x H x D	34 x 123 x 121 mm (1.33 x 4.84 x 4.76 in)
Weight	0.2 kg
Degree of protection	IP21

Power	
Operating voltage	9.6 - 57.6 VDC 12 - 48 VDC
Rated current	SDW-532-MM-SC2 600 mA @ 12VDC SDW-532-SM-LC15 450 mA @ 12VDC SDW-532-SM-SC15 450 mA @ 12VDC SDW-532-SM-LC40 450 mA @ 12VDC SDW-532-MM-LC2 450 mA @ 12VDC

Interfaces	
Ethernet TX	3 x RJ-45, 10 Mbit/s or 100 Mbit/s
Ethernet FX	2 x LC, SC or ST connectors, 100 Mbit/s

Temperature	
Operating	-25 to +70°C (-13 to +158°F)
Storage & Transport	-25 to +70°C (-13 to +158°F)

Agency approvals and standards compliance	
EMC	EN 61000-6-2, Immunity industrial environments
	EN 61000-6-4, Emission industrial environments
Marine	DNV rules for classification - Ships and offshore units*

* Applicable only for 3644-0032, 3644-0033, 3644-0035