

# Industrial Ethernet 5-port Switch

## SDW-532 EX



- ⌘ 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
  - ATEX Zone 2 – Ex II 3 G Ex nA IIC T4 Gc (Nemco tested)
- ⌘ Robust for long service life
  - 760,000 hours MTBF to MIL-HDBK-217K
  - –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



The SDW-532 EX is an ATEX certified 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 EX is designed for use in industrial applications and so has dual power inputs for 10 to 57VDC operation. Total galvanic isolation between each port is reinforced by the unique isolation provided between each chassis screen helping to avoid ground loop currents. (External) Testing has been performed (by Nemco) to ensure the SDW-532 EX can be used in potentially explosive atmospheres as defined in the ATEX directive.

Only industrial grade components are used which gives the SDW-532 EX an MTBF of 760,000 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 EX 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.

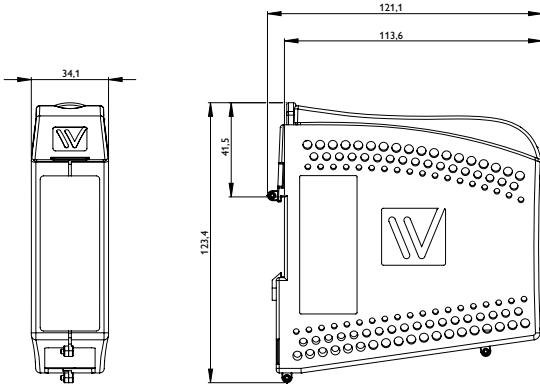
Network diagnostics are simplified with the inclusion of port mirroring on one port allowing data flow through the switch to be monitored using a network analyzer. All five ports can have data rate and flow control locked by DIP switch which can eliminate problems with old legacy Ethernet equipment that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

### Ordering Information

Art.no	Description
3644-5030	SDW-532 EX-2-MM-SC2
3644-5031	SDW-532 EX-2-MM-ST2
3644-5032	SDW-532 EX-2-SM-LC15
3644-5033	SDW-532 EX-2-MM-LC2
3644-5034	SDW-532 EX-2-SM-SC15
3644-5035	SDW-532 EX-2-SM-LC40
3125-0001	PS-30, Power supply, DIN mounted (Accessories)

# Specifications SDW-532 EX

## 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 IP 21

### Power

Operating voltage	9.6 – 57.6 VDC
Rated current	SDW-532 EX-2-MM-SC2 600 mA @ 12VDC SDW-532 EX-2-MM-ST2 600 mA @ 12VDC SDW-532 EX-2-SM-LC15 450 mA @ 12VDC SDW-532 EX-2-SM-SC15 450 mA @ 12VDC SDW-532 EX-2-SM-LC40 450 mA @ 12VDC SDW-532 EX-2-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)
Maximum surface temperature	135°C (275°F) (temperature class T4)

### Agency approvals and standards compliance

EMC	EN 61000-6-2, Immunity industrial environments
	EN 61000-6-3, Emission residential environments
	EN 61000-6-4, Emission industrial environments
Safety	EN 60950-1, IT equipment
Marine	DNV Standard for Certification no. 2.4
Ex	EN 60079-0 and EN 60079-15