

## Industrial Switchgear

### 56 Series Industrial Switchgear

These switched socket outlets and plugs are designed specifically for areas that supply power to loads up to 50A. They come with two to seven pin arrangements making them one of the most versatile products in today's market. Being non-metal makes them lighter and easy to install in corrosive areas, whilst still providing the strength required for impacts often associated in heavy industry.

#### 56 Series Industrial Switchgear Range shall:

- Comply with AS/NZS3123 (Approval and Test Specification - Plugs, Socket-Outlets and Couplers for General Industrial Application)
- Be dust resistant, hose proof, and have a minimum rating of IP66 to comply with AS 60529
- Be impact-resistant
- Ensure all enclosures are manufactured from robust UV stabilised rigid PVC and can be bonded to standard electrical PVC conduit accessories
- Be switch rated for motor duty, tested to a minimum AC23A rating
- Have operating temperatures between –25 degrees and +75 degrees
- Be Resistant Grey (excluding plugs) where alkalis cleaners are used
- Be Resistant Orange or Resistant White (excluding plugs) where chemical attack is likely
- Be flush mountable (excluding plugs) via a proprietary flushing kit
- Incorporate socket outlets, switches, appliance inlets, timers, photoelectric cells, switchboards, key operations, enclosures, pushbuttons and plugs
- Have the ability to be fitted with a gasket withstanding 1600 PSI water pressure.

#### 56 Series Industrial Switchgear Appliance Inlets shall:

- Be made impact-resistant and UV stabilised
- Be available in Chemical Resistant Orange
- Have a downward facing, angled pin housing
- Be provided with a screwed lock ring to secure extension sockets and appliance connections, and ensure IP integrity
- Provide IP66 rating if screw-on-cap (56PC Series) is fitted when not in use
- Be available less enclosure.

#### 56 Series Industrial Switchgear Outlets shall:

- Have a transparent flap that clearly shows pin configuration
- Have spring-loaded flap that closes automatically to maintain IP rating
- Have captive stainless steel screws with combination heads
- Have facility to mount on 56 Series enclosures and back boxes.

**56 Series Industrial Switchgear Plugs shall:**

- Have a transparent body to allow visual inspection of connections and easy location into socket outlet
- Have wide locking ring with inbuilt rubber gasket to ensure IP66 rating and compliance to AS 60529 is achieved
- Be available in both straight and angled versions
- Have captive stainless steel combination head screws
- Have internal cable clamp to prevent cable being pulled out or twisted.

**56 Series Industrial Switchgear Extension Sockets shall:**

- Be made impact-resistant and UV stabilised
- Have a minimum rating of IP66 and compliance to AS 60529
- Have spring-loaded flaps fitted to all three-phase units
- Have a transparent body to allow visual inspection of connections
- Have captive stainless steel combination head screws
- Have internal cable clamp to prevent cable being pulled out or twisted.

**56 Series Industrial Switchgear Switches shall:**

- Have switch rated for motor duty, tested to a minimum AC23A rating.
- Have a neon indicator to indicate load status.
- Have raised lettering or be laser etched for life of markings.
- Have clear indication of switch position.
- Have visible gasket to ensure sealing of unit
- Have captive stainless steel screws with combination heads
- Have padlock ON/OFF facility
- Have mechanical interlock to ensure power disconnection before plug insertion or removal
- Have facility to mount on 56 Series enclosures and back boxes.

**56 Series Industrial Switchgear Enclosures shall:**

- Be Resistant Orange or Resistant White where chemical attack is likely
- Be Resistant Grey where alkalis cleaners are used
- Have Lids that are 28mm high and be supplied with sealing gasket, as per Clipsal 56L Series
- Have captive stainless steel combination head screws
- Where required be pre-drilled as per Clipsal 56L Series to accept either 22mm or 30.5mm diameter push-buttons or indicating lights.

**56 Series Industrial Switchgear Bases shall:**

- Be Resistant Orange or Resistant White where chemical attack is likely
- Be Resistant Grey where Alkalis cleaners are used
- Have brass inserts in the base to allow covers to be replaced or exchanged without damage to base
- Be modular, able to house up to 16 modules on one base
- Have metric conduit entries, complete with threaded plugs
- Be able to be pole mounted via stainless steel brackets
- Be able to mount off the wall via stainless steel feet.

**56 Series Industrial Switchgear Timers shall:**

- Ensure loads are turned on and off at preset timing ranges
- Be housed in 56 Series grey enclosures measuring L101 x W107 x D102mm (excluding conduit entries)
- Have a minimum rating of IP66
- Have one x M25 top and two x M20 bottom conduit entries
- Be 250V rated with current ratings up to 16A (10A for 56TCDB)
- Have 150 hour battery back up (excludes 56SWT216 process timer)
- Have 24/7 programming capability (excludes 56SWT216 process timer)
- Have 56TCDB digital timer with minimum switching times of one minute and with an inbuilt bypass switch that disengages timing function when not required
- Have 56SWT16 process timer programmable from 10 to 120 minutes, is double pole, 16A and with 'power on' neon indicator.

**56 Series Industrial Sunset Switches (Daylight Sensors) shall:**

- Be designed to turn on lighting loads at sunset and turn off at sunrise
- Suit fluorescent and resistive loads up to 10AX
- Provide the 56SSR/2 with a two wire design (Neutral not required)
- Provide the 56SSR/3 with a three wire design (Neutral required)
- Be housed in 56 Series grey enclosures measuring L101.5 x W101.5 x D70mm
- Have a minimum rating of IP66
- Have a 250V voltage rating and maximum current rating of 10A
- Have a time adjustment ranging from 2, 4, 6, 8, and 12 hours
- Have a lux range from 20-500, default setting Approximately 20 lux
- Have a temperature range capable of withstanding 0o to +45C.

**56 Series Industrial Distribution Boards shall:**

- Have an IP66 rating and comply to AS 60529
- Suit circuit protection equipment ranging from 4-13 modules
- Be supplied with cover latches for maintenance access
- Have a lockable cover for padlocking up to 7mm diameter hasp
- Be housed in 56 Series grey or resistant orange enclosures
- Be mountable on 56 Series 4-16 gang modular enclosures
- Be supplied with Neutral bar and Earth bar (Earth connector for 56SB4).