\author{

## 56 Series ${ }^{\text {m" }}$

 <br> $56 S$ SuiesIndustrial Switchgear <br>  <br> , <br> haltirn
}


# Providing the strength, reliability and durability demanded of today's industry 



The Power behind today's industry.
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Plastic Comparison
Chemical Comparison
56 Series Modules
56 Series Plugs


Combination Switched Socket Outlets . . . 8 Versions From 250V 10A to 500V 50A
Factory Wired Internal Phase Connections
Includes Dustproof \& Hoseproof Flap

Surface Socket Outlets
1 Phase \& 3 Phase Sockets

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1 Pole - 4 Pole
10A - 63A
250V Single \& 2 Way Switches

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Designed to satisfy customer needs, precisely engineered and carefully manufactured, Schneider Electric Industrial Switchgear is as versatile as your requirements. The 56 Series is suitable for heavy industrial environments with five different protection capabilities - Hose Proof, Dust Proof, Crash Proof, UV Resistance and Chemical Resistance.

## Hose Proof and Dust Proof

The 56 Series has been tested for protection against ingress of water and dust to at least International Protection Rating IP56, and in many instances exceeds this level of protection.

When plugs are removed, the socket flap automatically locks into place, preventing dust or water from entering

## Crash Proof

The 56 Series, being one of the most important components of industry, has to be tough, safe, and able to take hard knocks and give reliable performance under many adverse conditions.


## UV Resistance and Chemical Resistance

Most products in the 56 Series are available in light grey UV stabilised rigid polycarbonate. The light grey series has excellent strength compared to other compatible plastic products, which are ideal for most applications.

For those environments where harsh chemicals are used Schneider Electric offers an option of chemical resistant orange (RO), which offers resistance to a wide range of chemical types. It is ideal for corrosive and industrial chemicals, animal fats, oils, solvents and lubricants. It is suitable for indoor and outdoor applications, such as chemical plants, timber and paper processing plants and laboratories.

All Schneider Electric 56 Series Enclosures are manufactured from robust UV stabilised PVC and can be solvent bonded to standard electrical PVC conduit accessories.

To make selection of the correct product, we provide the Plastic Comparison Chart (page 4) and Chemical Comparison Chart (page 5) as a guide.

## Designed to Mix and Match

What suits one industry might not be the perfect match for another. That's why the 56 Series was specially designed to mix and match. There is an extensive choice of modules available, including switches, sockets, photo electrical cells and residual current devices.

Schneider Electric mounting enclosures range in size from 1 to 4 gangs. This allows assemblies to be customized - from a simple switch station to a large electrical control panel.

The introduction of transparent materials to the 56 Series enables the inspection and checking of the components pin/ socket configuration and wiring at a glance, while still providing protection against the elements. The aesthetic appearance of the 56 Series makes it the ideal choice for installation in commercial facilities such as television studios, shopping centers and warehouses. What's more, the 56 Series offers are also used alongside a public or domestic swimming pool.

## Standards

Pin configurations for plugs, sockets and switched socket outlets comply with AS/NZS3123 and switches with appropriate parts of AS/NZS3947.3 \& AS/NZS3133.

## Plastic Comparisons

## Plastic Comparison Chart

$\left.\begin{array}{|l|l|l|l|}\hline \text { Applications } & \text { Standard Grey \& Electric Orange } & \text { Resistant } \\ \text { Orange \& White }\end{array}\right]$

This table should be used as a guide only. Any end user should test to evaluate the suitability of any chemical with any plastic.
A - EXCELLENT Recommended; no adverse effects after extended exposure.
B - GOOD Acceptable, minimal loss of mechanical properties after long periods of exposure.
C - FAIR Marginal acceptability; loss of mechanical properties after long periods of exposure.
D - POOR Not recommended for use.

## Chemical Comparisons

## Chemical Comparison Chart

| Product Type (colour) | All Mounting Enclosures (ie Back Box) | Grey Transparent Covers and Plugs | Resistant Orange (RO) Covers and Plugs |
| :---: | :---: | :---: | :---: |
| Acids |  |  |  |
| Weak Solutions |  |  |  |
| Hydrochloric 10\% | A | A | A |
| Nitric 10\% | A | A | A |
| Concentrate |  |  |  |
| Sulphuric 100\% | A | D | D |
| Alkalis |  |  |  |
| Weak Solutions |  |  |  |
| Sodium Hydroxide 10\% (Caustic Soda) | A | D | B |
| Concentrate |  |  |  |
| Potassium Hydroxide 100\% | A-B | D | D |
| Automotive |  |  |  |
| Petroleum | A | D | A |
| Lubricating Oils |  | D | A |
| Hydraulic Oil |  | D | A |
| Solvents |  |  |  |
| Aliphatic Hydrocarbons (Alkanes) |  |  |  |
| Methane | B | A | A |
| Propane | A | A | A |
| Alcohols |  |  |  |
| Ethylene Glycol | A | A | A |
| Glycerol (Glycerin) | A | C | B |
| Methyl Alcohol (Methanol) | A | D | B |
| Ethyl Alcohol (Ethanol) | A | A | A |
| Amines |  |  |  |
| Aniline | D | D | D |
| Aromatic Hydrocarbons |  |  |  |
| Methyl Benzene | D | D | B |
| Xylene | D | D | B |
| Ethers |  |  |  |
| Dimethyl Ethyl | A | A | A |
| Ketones |  |  |  |
| Acetone | A | D | C |
| Acetophenone | D | D | C |
| Ethyl Methyl Ketone | D | D | C |
| Miscellaneous |  |  |  |
| Detergent | A | A | A |
| Inorganic Salts |  |  |  |
| Magnesium Sulphate | A | A | A |
| Oxidising Agents |  |  |  |
| Weak Solution |  |  |  |
| Sodium Hypochlorite 5\% | A | A | A |
| Strong Solution |  |  |  |
| Hydrogen Peroxide 30\% | A | A | A |
| Water |  |  |  |
| Ambient | A | A | A |
| Hot $>60^{\circ} \mathrm{C}$ | C | A | B |
| Steam | D | D | D |

[^0]
## 56 Series Modules

Designed to mix and match and packed with features designed to outperform all other protected accessories

Modular system with 1 to 4 gang arrangements to satisfy your every need.

Captive stainless steel combination head fixings for corrosion resistance and effortless installation.

8mm Padlock ON/OFF facility.

Rotary ON/OFF switch.

Permanent laser engraved ratings and specifications are durable \& clearly displayed.

Redesigned transparent socket cover for improved visibility, strength \& accessibility.

Larger and easy-to-use latch design. Socket cover automatically closes to ensure IP rating is maintained. Padlocking option available.


Schneider Electric 56 Series Industrial Switchgear has a long standing history as being the toughest, most trusted industrial switchgear on the Asian market. This legacy has been carried on with new range of industrial plugs and socket connectors.


## Snap Shut Bodies

Screw-less assembly using a 'latching' spring allows for speed, simplicity, product strength and improved reliability.

## To Open

1. Look for padlock and arrow icons
2. Align grey band to locked position
3. Insert driver and push down firmly
4. Align grey band to unlocked position
5. Twist body left only


The 'latching' spring clip stays down once it is pressed, so it is just a simple 'press and switch? The spring clip, when shut, does not exert any stress on the housings, resulting in a stronger body and sleeve connection.

## To Close

1. Look for padlock and arrow icons
2. Align grey band to unlocked position
3. Insert driver and push down firmly
4. Align grey band to locked position
5. Twist body right only



## 56C313GY

The Schneider Electric range of three phase combinations includes two module units. All internal phase connections between switches and sockets are factory wired.

Combination sockets feature a clear dustproof and hoseproof flap with a snap catch latch. Both the superseded non IP56 plain plugs and the current IP66 retention ring plugs can be accommodated.

Earth and neutral connectors accommodating $3 \times 6 \mathrm{~mm}^{2}$ cables are supplied with 500 V models.


TWO PIECE

| Catalogue Number | No. of switch poles | $\begin{gathered} \mathrm{I}_{\text {me }} \\ (\text { Amp }) \end{gathered}$ | $U_{i} / U_{e}$ (Volt) | $\begin{aligned} & \text { le (A) Util } \\ & \text { AC21AA } \end{aligned}$ | tilisation AC22A | Category AC23A | M Rating | Number of Sockets | Cond. Ter <br> Min. | Size in $\mathrm{mm}^{2}$ Max/Cond. | IP Rating | 0/A Dims. <br> (H) $x$ (W) $\times(D)$ | Matching Plug Straight | Matching Plug Angle | Socket Config |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $56 \mathrm{C310}$ | 1 Pole | 10A | 250 V | 10 | 8 | 8 | M80 | 3 Flat | 1.5 | 6 | 66 | $204 \times 101 \times 83$ | 56P310 |  | A |
| 56 C 313 | 1 Pole | 13A | 250 V |  |  |  | M100 | 3 Flat | 1.5 | 6 | 66 | $204 \times 101 \times 83$ | 56P313 | 56PA313 |  |
| 56C313/2 | 1 Pole | 13A | 250 V |  |  |  | M100 | 3 Flat $\times 2$ | 1.5 | 6 | 66 | $204 \times 196 \times 83$ | 56P313 | 56PA313 |  |
| $56 \mathrm{C315}$ | 1 Pole | 15A | 250 V | 15 | 10 | 8 | M80 | 3 Flat | 1.5 | 6 | 66 | $204 \times 101 \times 83$ | 56P315 |  | B |
| 56C315D | 2 Pole | 15A | 250 V | 15 | 15 | 15 | M120 | 3 Flat double pole | 1.5 | 6 | 66 | 204x101×108 | 56P315 |  | B |
| 56C315RP | 1 Pole | 15A | 250 V |  |  |  |  | 3 Round | 1.5 | 6 | 66 | $204 \times 101 \times 83$ | 56P315RP | 56PA315RP |  |
| 56C316RP | 1 Pole | 16A | 250 V |  |  |  |  | 3 Round | 1.5 | 6 | 66 | $204 \times 101 \times 83$ | 56P316RP | 56PA316RP |  |
| $56 C 320$ | 1 Pole | 20A | 250 V | 20 | 20 | 21 | M150 | 3 Round | 2.5 | 6 | 66 | 204x101×108 | 56Р320 | 56PA320 | H |
| $56 C 332$ | 1 Pole | 32A | 250 V | 32 | 32 | 28 | M180 | 3 Round | 6 | 16 | 66 | $204 \times 101 \times 108$ | 56P332 | 56PA332 | 1 |
| 56C332D | 2 Pole | 32A | 250 V |  |  |  |  | 3 Round | 2.5 | 10 | 66 |  | 56P332 | 56PA332 |  |
| $56 \mathrm{C416}$ | 3 Pole | 16A | 500 V |  |  |  |  | 4 Round | 1.5 | 6 | 66 | $204 \times 101 \times 83$ | 56P416 | 56PA416 |  |
| $56 \mathrm{C420}$ | 3 Pole | 20A | 500 V | 20 | 20 | 21 | M150 | 4 Round | 2.5 | 6 | 66 | $204 \times 101 \times 108$ | 56P420 | 56PA420 | L |
| $56 \mathrm{C432}$ | 3 Pole | 32A | 500 V | 32 | 32 | 28 | M180 | 4 Round | 4 | 16 | 66 | $204 \times 101 \times 108$ | 56P432 | 56PA432 | N |
| 56 C 440 | 3 Pole | 40A | 500 V | 40 | 40 | 35 | M200 | 4 Round | 10 | 16 | 66 | $204 \times 101 \times 108$ | 56P440 | 56PA440 | 0 |
| $56 C 450$ | 3 Pole | 50A | 500 V | 50 | 50 | 35 | M250 | 4 Round | 10 | 16 | 66 | $204 \times 101 \times 108$ | 56P450 | 56PA450 | P |
| $56 \mathrm{C516}$ | 3 Pole | 16A | 500 V |  |  |  |  | 4 Round | 1.5 | 6 | 66 | $204 \times 101 \times 108$ | 56P516 | 56PA516 |  |
| 56 C 520 | 3 Pole | 20A | 500 V | 20 | 20 | 21 | M150 | 5 Round | 2.5 | 6 | 66 | $204 \times 101 \times 108$ | 56 P 20 | 56PA520 | R |
| 56 C 532 | 3 Pole | 32A | 500 V | 32 | 32 | 28 | M180 | 5 Round | 4 | 16 | 66 | $204 \times 101 \times 108$ | 56P532 | 56PA532 | S |
| 56 C 540 | 3 Pole | 40A | 500 V | 40 | 40 | 35 | M200 | 5 Round | 10 | 16 | 66 | $204 \times 101 \times 108$ | 56 P 40 | 56PA540 | T |
| 56 C 550 | 3 Pole | 50A | 500 V | 50 | 50 | 35 | M250 | 5 Round | 10 | 16 | 66 | 204×101×108 | 56P550 | 56PA550 | U |



56S0313GY

## 1 Phase and 3 Phase sockets

Schneider Electric Surface Socket Outlets range in size from 250 V 10 A to 500 V 50 A .
All sockets feature hoseproof and dust resistant flaps with automatic snap catch latches. The transparent flap enables instant visual inspection of socket condition and pin configuration.
The full range of sockets accommodate both the superseded IP56 plain plugs and the current IP66 retention ring plugs in order to rationalise the number of variations required.
Earth and neutral connectors accommodating $3 \times 6 \mathrm{~mm}^{2}$ cable are supplied with all 500 V models.

Terminal housings are moulded in tough polyester to minimise damage.


56SO315RPGY

## Options available

- Less Enclosure - add LE to catalogue number e.g. 56SO416 becomes 56SO416LE.


| Catalogue Number | $(\mathrm{Amp})$ | $\begin{aligned} & \mathbf{U}_{\mathrm{i}} / \mathrm{U}_{\mathrm{e}}{ }_{\text {(Voli) }} \end{aligned}$ | Number of Sockets | Cond. <br> Min. | ize in mm Max/Cond. |  | 0/A Dims. $\text { (H) } x(W) \times(D)$ | Matching Plug Straight | Matching Plug Angled | Socket <br> Config. |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $56 S 0310$ | 10A | 250 V | 3 Flat | 1.5 | 6 | 66 | 107x101×77 | 56P310 |  | A |
| $56 \mathrm{S0313}$ | 13A | 250 V | 3 Flat | 1.5 | 6 | 66 | 107x101×77 | 56P313 | 56PA313 |  |
| $56 \mathrm{SO315}$ | 15A | 250 V | 3 Flat | 1.5 | 6 | 66 | 107×101×77 | 56P315 |  | B |
| 56S0315RP | 15A | 250 V | 3 Round | 1.5 | 6 | 66 | 107x101×77 | 56P315RP | 56PA315RP |  |
| 56S0316RP | 16A | 250 V | 3 Round | 1.5 | 6 | 66 | $107 \times 101 \times 77$ | 56P316RP | 56PA316RP |  |
| 56S0320 | 20A | 250 V | 3 Round | 2.5 | 6 | 66 | $107 \times 101 \times 102$ | 56P320 | 56 PA 320 | H |
| 56S0332 | 32 A | 250 V | 3 Round | 6 | 16 | 66 | $107 \times 101 \times 102$ | 56P332 | 56 PA 332 | 1 |
| 56S0416 | 16A | 500 V | 4 Round | 1.5 | 6 | 66 | $107 \times 101 \times 102$ | 56P416 | 56PA416 | K |
| 56S0416K | 16 A | 500 V | Unique key configuration | 1.5 | 6 | 66 | $107 \times 101 \times 102$ | 56 P 416 K | 56PA416K | M |
| 5650420 | 20A | 500 V | 4 Round | 2.5 | 6 | 66 | $107 \times 101 \times 102$ | 56 P 420 | $56 \mathrm{PA420}$ | L |
| $56 \mathrm{SO432}$ | 32A | 500 V | 4 Round | 4 | 16 | 66 | $107 \times 101 \times 102$ | 56 P 432 | $56 \mathrm{PA432}$ | N |
| 56S0440 | 40A | 500 V | 4 Round | 6 | 16 | 66 | $107 \times 101 \times 102$ | 56P440 | 56PA440 | 0 |
| 5650450 | 50A | 500 V | 4 Round | 10 | $16^{* *}$ | 66 | $107 \times 101 \times 102$ | 56P450 | 56PA450 | P |
| $56 \mathrm{SO516}$ | 16A | 500 V | 4 Round | 1.5 | 6 | 66 | $107 \times 101 \times 102$ | 56P516 | 56PA516 | Q |
| 56S0520 | 20A | 500 V | 5 Round | 2.5 | 6 | 66 | $107 \times 101 \times 102$ | 56P520 | 56PA520 | R |
| $56 S 0532$ | 32 A | 500 V | 5 Round | 4 | 16 | 66 | $107 \times 101 \times 102$ | 56 P 532 | 56PA532 | S |
| $56 \mathrm{SO540}$ | 40A | 500 V | 5 Round | 6 | 16 | 66 | $107 \times 101 \times 102$ | 56P540 | 56PA540 | T |
| 56S0550 | 50A | 500 V | 5 Round | 10 | $16^{\star *}$ | 66 | $107 \times 101 \times 102$ | 56P550 | 56PA550 | U |



## 56SW110GY

## 56 Series Surface Switches

56 Series Surface Switches are available from $250 \mathrm{~V}, 10 \mathrm{~A}$ to 500 V 63A. They incorporate a positive, rotary switch action. 'ON' and 'OFF' positions are clearly marked and there is provision for two padlocks. Hole diameter is 8 mm .

If locking is required in the 'ON' position, simply drill a hole where necessary.

Earth and neutral connectors accommodating $3 \times 6 \mathrm{~mm}^{2}$ cables are supplied with all products above 20A.


| Catalogue Number | No. of Switched Poles | $\begin{gathered} \mathrm{I}_{\mathrm{the}} \\ (\mathrm{Amp}) \end{gathered}$ | $\begin{aligned} & U_{/} / U_{e} \\ & \text { (Volit) } \end{aligned}$ | $I_{e}(A)$ | lisation AC22A | tegory AC23A | M Rating | Conductor <br> Min. | I size in mm² <br> Max/Cond. | IP <br> Rating | 0/A Dims. $\text { (H) } \times(\mathrm{W}) \times(\mathrm{D})$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 56SW110 | 1 Pole | 10A | 250 V | 10 | 8 | 8 | M80 | 1.5 | 6 | 66 | $107 \times 101 \times 83$ |
| 56SW110/2* | 1 Pole | 10A | 250 V | 10 | 8 | 8 | M80 | 1.5 | 6 | 66 | $107 \times 101 \times 83$ |
| 56SW115* | 1 Pole | 15A | 250 V | 15 | 8 | 8 | M80 | 1.5 | 6 | 66 | 107x101×83 |
| 56SW116 | 1 Pole | 16A | 250 V | - | - | - | - | - | - | 66 | - |
| 56SW120 | 1 Pole | 20A | 250 V | 20 | 20 | 20 | M150 | 2.5 | 16 | 66 | 107x101×108 |
| 56SW132 | 1 Pole | 32A | 250 V | 32 | 32 | 28 | M180 | 4 | 16 | 66 | 107x101x108 |
| 56SW150 | 1 Pole | 50A | 250 V | 50 | 50 | 25 | M250 | 10 | 25 | 66 | 107x101×108 |
| 56SW163 | 1 Pole | 63A | 250 V | 63 | 63 | 25 | M300 | 16 | 25 | 66 | 107x101×108 |
| 56SW210 | 2 Pole | 10A | 500 V | - | - | - | - | - | - | 66 | - |
| 56SW216 | 2 Pole | 16A | 500 V | - | - | - | - | - | - | 66 | - |
| 56SW220 | 2 Pole | 20A | 500 V | 20 | 20 | 20 | M150 | 2.5 | 16 | 66 | 107x101×108 |
| 56SW232 | 2 Pole | 32 A | 500 V | 32 | 32 | 28 | M180 | 4 | 16 | 66 | 107x101×108 |
| 56SW250 | 2 Pole | 50A | 500 V | 50 | 50 | 25 | M250 | 10 | 25 | 66 | 107x101×108 |
| 56SW263 | 2 Pole | 63A | 500 V | 63 | 63 | 25 | M300 | 16 | 25 | 66 | 107x101×108 |
| 56SW310 | 3 Pole | 10A | 500 V | 10 | 10 | 10 | M100 | 1.5 | 16 | 66 | 107x101×108 |
| 56SW316 | 3 Pole | 16A | 500 V | - | - | - | - | - | - | 66 | - |
| 56SW320 | 3 Pole | 20A | 500 V | 20 | 20 | 20 | M150 | 2.5 | 16 | 66 | 107x101×108 |
| 56SW332 | 3 Pole | 32A | 500 V | 32 | 32 | 28 | M180 | 4 | 16 | 66 | 107×101×108 |
| 56SW350 | 3 Pole | 50A | 500 V | 50 | 50 | 25 | M250 | 10 | 25 | 66 | 107x101×108 |
| 56SW363 | 3 Pole | 63A | 500 V | 63 | 63 | 25 | M300 | 16 | 25 | 66 | 107x101×108 |
| 56SW420* | 4 Pole | 20A | 440 V | 20 | 20 | 20 | - | 2.5 | 6 | 66 | 107x101×108 |

## Further Information

56SW110/2 - 2 way 4 terminal
56SW115 - 1 way 2 termina
56SW420 - with 7 Series switch mechanism
Note: AC utilisation categories to AS/NZS3947.3 $I_{\text {tre }}$-Conventional Enclosed Thermal Current $I_{e}$-Operational Current $U_{i}$ - Insulation Voltage $U_{e}$-Operational Voltage.


## 56SSW10GY

## 250V Single and Twin 2 <br> Way Switches with sliding switch dollies

Schneider Electric 56 Series Single and Twin Sliding Switches are available in 10A and 15A ratings.


| Catalogue Number | Description | No. of switches p/Module | $\underset{(\mathrm{Amp})}{\mathrm{I}_{\mathrm{mm}}}$ | $\begin{gathered} \mathrm{U}_{\mathrm{J}} / \mathrm{U}_{\mathrm{e}} \\ \text { (Volts) } \end{gathered}$ | M Rating | Cond. Term Size in $\mathrm{mm}^{2}$ |  | $\begin{gathered} \text { IP } \\ \text { Rating } \end{gathered}$ | 0/A Dims.$\text { (H) } x(W) x(D)$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  | Min. | Max |  |  |
| 56SSW10 | Single sliding switch | 1 | 10A | 250 V | M80 | 1.5 | 6 | 56 | 107x101×65 |
| 56SSW15 | Single sliding switch | 1 | 15A | 250 V | M80 | 1.5 | 6 | 56 | 107x101×65 |
| 56SSW2/10 | Twin sliding switch | 2 | 10A | 250 V | M80 | 1.5 | 6 | 56 | 107x101×65 |
| 56SSW2/15 | Twin sliding switch | 2 | 15A | 250 V | M80 | 1.5 | 6 | 56 | 107x101x65 |

[^1]Push Button Control Stations


Push Button (PB) range L-R: 56/2PB GY, 56PBS1 GY, 56PBS GY, 56/2PBS1 GY.

This rugged range consists of five different combinations of stop start control stations.

The stations are ideal in wet, dusty or dirty conditions for controlling motor starters on pumps, saws, compressors, lathes, processors and processing lines.

56PB - Start control station.
56PBS - Stop control station.
56PBS1 - Emergency stop station. This station has a mushroom head with twist reset and red push button.

56/2PB - Combination stop/start control station with momentary operation push buttons. The red stop button has an extended head and the green start button a flush head.

56/2PBS1 - Combination stop/start control station with same stop button as the 56PBS1.

| Catalogue Number |  | $\begin{aligned} & U_{/} /{ }_{e}^{e} \\ & \text { (Volit) } \end{aligned}$ | Ie (A) Utilisation Gategory |  | Button Colour | Cond. Term Size in $\mathrm{mm}^{2}$ |  | $\begin{aligned} & \text { IP } \\ & \text { Rating } \end{aligned}$ | 0/A Dims.$\text { (H) } x(W) \times(D)$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | AC15 <br> 240V | $\begin{gathered} \text { DC13 } \\ 24 V \end{gathered}$ |  |  |  |  |  |
| 56PB <br> Start control station | 10A | 250 V | 6 | 8 | Green | 1 | 4 | 66 | 107x101x76 |
| 56PBS <br> Stop control station | 10A | 250 V | 6 | 8 | Red | 1 | 4 | 66 | 107x101×80 |
| 56PBS1 <br> Emergency stop control station | 10A | 250V | 6 | 8 | Red | 1 | 4 | 66 | $107 \times 101 \times 102$ |
| 56/2PB <br> Start/Stop control station | 10A | 250 V | 6 | 8 | Red/Green | 1 | 4 | 66 | 107x101×80 |
| 56/2PBS1 <br> Emergency stop control \& start station | 10A | 250V | 6 | 8 | Red/Green | 1 | 4 | 66 | 107x101x80 |




## 56SSR

## Sunset Switches Premium

Sunset switches automatically switch lights on when the ambient light level falls below a predetermined level.

The 56SSR is surface mounting but can be adapted to flush mounting by using 56FA surrounds and brackets.

The 56SSR allows control of a 10A load current in a two wire configuration, therefore, eliminating the need for separate neutral at the switch. The 56SSR also incorporates a fully configurable timer with a remote-disable option.

When correctly connected to a suitable supply and load, the 56SSR will turn the load on when the ambient light level is below approximately 10 lux. Similarly, the load will be turned off when the light level exceeds approximately 30 lux. Delays of approximately eight seconds on turnoff and 30 seconds on turn-on are incorporated into the circuit to reject the effects of short term changes in the light levels, which may otherwise turn the load on or off.

The 56SSR is also equipped with a timer circuit which, if enabled, will turn the light off after a preset time delay. The time delay can be from 15 minutes to 15 hours and 45 minutes; set in 15 minute increments.

The timer can be disabled by applying neutral potential to the terminal T1, in which case


56SSR
the status of the load is controlled only by the ambient light level. This feature provides a remote timer override function if required.

Since the 56SSR Sunset Switch is a two wire product which does not require any power while the load is turned on, there is one specific aspect of its operation well worth noting. When power is applied to the sunset switch for the first time, it will require up to 3.5 minutes to warm up. This behaviour is caused by the time delay required to charge an energy storage element within the unit


|  | 56SSR Specifications |
| :---: | :---: |
| Operating Voltage Range | $192-265 \mathrm{~V} 50 \mathrm{~Hz} \mathrm{AC}$ |
| Maximum Load Current | 10 A |
| Minimum Load Current | 40 mA |
| Incompatible Load Types | Electric Transformers <br> Fluorescent Loads <br> Discharge Lamps <br> Motor Loads |
| Off-state Leakage Current at 240V AC | 8.2 mA (capacitive) max |
| DC Component of Off-state Leakage Current | 0 mA |
| Timing Range | $15 \mathrm{~min}-15 \mathrm{hrs}$ and 45min |
| Setting Step | 15 min |
| Timer Accuracy | $\pm 15 \%$ |
| Operating Temperature Range | -10 to 45 C |
| Maximum warm-up time at 240V AC | 4 min |


| Catalogue Number | $\begin{gathered} \mathrm{I}_{\text {the }} \\ (\mathrm{Amp}) \end{gathered}$ | $\mathrm{U}_{\mathrm{I}} / \mathrm{U}_{\mathrm{e}}$ (Volit) | $I_{e}(A)$ Utilisation Category |  |  | M Rating | Temp. Range | Time Adjust | Conductor Terminal Size in $\mathrm{mm}^{2}$ |  | $\begin{gathered} \text { IP } \\ \text { Rating } \end{gathered}$ | 0/A Dims.$\text { (H) } x \text { (W) } \times(\mathrm{D})$ | Operating Voltage |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | AC21A | AC22A | AC23A |  |  |  | Min. | Max. |  |  |  |
| 56SSR | 10A | 250 | 10 | 10 | 8 | M80 | $0^{\circ}$ to $+40^{\circ} \mathrm{C}$ | 15 Min. to 945 Min. | 1.0 | 2x4.0 | 66 | 101x107x65 | $\begin{gathered} 190-265 \mathrm{~V} \\ 50 \mathrm{~Hz} \text { a.c. } \end{gathered}$ |

Note: AC utilisation categories to AS/NZS3947.3 $I_{\text {the }}$-Conventional Enclosed Thermal Current $U_{i}$-Insulation Voltage $U_{e}$-Operational Voltage $I_{e}$-Operational Current
Note: Maximum off state leakage current - 8.2 mA 240 V a.c. Time accuracy -+/-15\%

## Sunset Switches Economy



## 56PEDD3

## Sunset Switches Economy

A switch that turns lights on at dusk and off at dawn by itself, how simple is that? For consistent lighting without lifting a finger, choose the photo Schneider Electric electric switch. A 'smart' switch that operates according to the level of sunlight, making it a simple to use, reliable and economical way to save time and energy.


56PEDD3

- No capacitor or time programming necessary.
- IP66 rated for extreme environments.
- Factory set dusk to dawn saves set up time.
- 10A fluorescent and resistive loads.
- Three wire device eliminates the need for capacitor on small inductive loads.

| 56PEDD3 Specifications |  |
| :---: | :---: |
| Operating Voltage Range | $220-240 \mathrm{~V} \mathrm{AC} \mathrm{50} \mathrm{Hz}$ |
| Maximum Load Current | 10 A |
| Minimum Load Current | 0 mA |
| Compatible Load Types | Incandescent, Fluorescent and 240V Halogen <br> Iron Core and Electric Transformers <br> Shaded Pole Induction Motors (exhaust fans, 5A max) <br> Split Phase Induction Motors (ceiling fans, 5A max) <br> Other Motor Loads (5A max) |
| Supply Current | 15 mA |
| Power Consumption | 1 W |
| Operating Temperature Range | 0 to 45º |
| Turn ON Light Level | Approx. 10 lux |
| Turn OFF Light Level | Approx. 50 lux |


| Catalogue Number | $\begin{gathered} \mathrm{I}_{\text {the }} \\ \text { (Amp) } \end{gathered}$ | $\mathrm{U}_{\mathrm{i}} / \mathrm{U}{ }_{\mathrm{e}}$ (Volit) | $I_{e}(A)$ Utilisation Category |  |  | M Rating | Temp. Range | Time Adjust | Conductor Terminal Size in $\mathrm{mm}^{2}$ |  | IP <br> Rating | 0/A Dims.$\text { (H) } x(W) x(D)$ | Operating Voltage |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | AC21A | AC22A | AC23A |  |  |  | Min. | Max. |  |  |  |
| 56PEDD3 | 10A | 250 | 10 | 10 | 8 | M80 | $0^{\circ}$ to $+40^{\circ} \mathrm{C}$ |  | 1.0 | $2 \times 4.0$ | 66 | 101x107x65 | $\begin{gathered} 220-240 \mathrm{~V} \\ 50 \mathrm{~Hz} \text { a.c. } \end{gathered}$ |

Note: AC utilisation categories to AS/NZS3947.3 $I_{\text {me }}$ - Conventional Enclosed Thermal Current $U_{i}$-Insulation Voltage $U_{e}$-Operational Voltage $I_{e}$-Operational Current
Note: Maximum off state leakage current - 8.2 mA 240 V a.c. Time accuracy - + /-15\%.

## Angle and Straight Plugs



56P313GY

Schneider Electric has a comprehensive range of straight and angle plugs. All are fitted with a screwed ring for securing to socket outlets and to ensure IP66 rating.

Design innovations include a transparent centre body section for instant visual checking of connections and an internal cable clamp which grips two ways to prevent cable twisting.


56PA313GY


56P315RPEO


56P Series Plugs

| Gatalogue <br> \# Straight | Catalogue \# Angle | $\underset{(\mathrm{Amp})}{\mathrm{I}_{\text {in }}}$ | $\begin{gathered} \mathrm{U}_{\mathrm{i}} \\ \text { (Volit) } \end{gathered}$ | No. of Pins | Conductor Terminal Size in mm² |  | Cable Nominal Diameter |  | $\begin{gathered} \text { IP } \\ \text { Rating } \end{gathered}$ | Pin <br> Config. | Gland Nut Thread |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  | Min. | Max/Cond. | Min. | Max. |  |  | Straight | Angled |
| 56P215/32 | $\cdot$ | 15A | 32 V | 2 Polarised, Exta Low Voltage | 1.5 | 2.5 | 7 | 12.5 | 66 | E | 20 mm |  |
| 56P310 | - | 10A | 250 V | 3 Flat Pins | 1.0 | 2.5 | 7 | 12.5 | 66 | A | 20 mm |  |
| 56P313 | 56PA313 | 13A | 250 V | 3 Pins | 1.5 | 2.5 | 8.3 | 11.9 | 66 |  | 20 mm |  |
| 56P315 | - | 15A | 250 V | 3 Flat Pins | 1.0 | 2.5 | 7 | 12.5 | 66 | A | 20 mm |  |
| 56P315RP | 56PA315RP | 15A | 250 V | 3 Round Pins | 1.5 | 2.5 | 8.3 | 11.9 | 66 |  | 20 mm |  |
| 56P316RP | 56PA316RP | 16A | 250 V | 3 Round Pins | 1.5 | 2.5 | 8.3 | 11.9 | 66 |  | 20 mm |  |
| 56P320 | 56PA320 | 20A | 250 V | 3 Round Pins | 1.0 | 6 | 7 | 16 | 66 | H | 25 mm | 23 mm |
| 56P320F | - | 20A | 250 V | 3 Flat Pins | 2.5 | 2.5 | 7 | 16 | 66 | F | 20 mm |  |
| 56P332 | 56PA332 | 32A | 250 V | 3 Round Pins | 1.5 | 2.5 | 7 | 16 | 66 | B | 20 mm | 37 mm |
| 56P416 | 56PA416 | 16A | 500 V | 4 Round Pins |  |  |  |  | 66 |  |  |  |
| 56P416K | 56PA416K | 16A | 500 V | Unique Key Contiguration | 2.5 | 4 | 7 | 16 | 66 | M | 23 mm | 23 mm |
| 56 P 420 | 56PA420 | 20A | 500 V | 4 Round Pins | 2.5 | 4 | 7 | 16 | 66 | L | 25 mm | 23 mm |
| 56 P 432 | 56PA432 | 32A | 500 V | 4 Round Pins | 2.5 | 16 | 9 | 28 | 66 | N | 37 mm | 37 mm |
| 56P440 | 56PA440 | 40A | 500 V | 4 Round Pins | 2.5 | 16 | 9 | 28 | 66 | 0 | 37 mm | 37 mm |
| 56 P 450 | 56PA450 | 50A | 500 V | 4 Round Pins | 2.5 | 25 | 9 | 28 | 66 | P | 37 mm | 37 mm |
| 56P516 | 56PA516 | 16A | 500 V | 5 Round Pins |  |  |  |  | 66 |  |  |  |
| 56P520 | 56PA520 | 20A | 500 V | 5 Round Pins | 2.5 | 4 | 7 | 16 | 66 | R | 25 mm | 23 mm |
| 56P532 | 56PA532 | 32A | 500 V | 5 Round Pins | 2.5 | 16 | 9 | 28 | 66 | S | 37 mm | 37 mm |
| 56P540 | 56PA540 | 40A | 500 V | 5 Round Pins | 2.5 | 16 | 9 | 28 | 66 | T | 37 mm | 37 mm |
| 56P550 | 56PA550 | 50A | 500 V | 5 Round Pins | 2.5 | 25 | 9 | 28 | 66 | U | 37 mm | 37 mm |

NSW Coalfield Certificate of Examination $I_{i t h}$-Conventional Enclosed Thermal Current $U_{i}$ - Insulation Voltage QCT - Quick Connect Terminals


## 56P310GY

Angled versions ensure a neat cable run when connected to socket outlet.


Special Combinations and Modules


## 56RCGY

## Combined Switched Sockets and Modules

Despite Asia having one of the safest electrical systems in the world, accidents can still occur.

A faulty or poorly maintained appliance, a frayed cord, wet hands or carelessness with power tools are all situations that can lead to tragedy.

To help avoid electrocution in industrial environments, Schneider Electric has a range of combination switched sockets with inbuilt RCD protection. The RCD works by constantly monitoring and comparing the current flow in both the Active and Neutral circuits of an electrical installation.

During normal operation, these Active and Neutral currents are in balance. However, should any current flow to Earth, an imbalance is created in these circuits.

If this imbalance is sufficient $(30 \mathrm{~mA})$, the RCD will cut the electrical supply in less than 40 milliseconds, perhaps the most important fraction of a second in someone's life.

Apart from the protection from electrocution that an RCD offers, it will also cut off power to expensive electrical equipment in the event of an
electrical fault to Earth. This protects appliances against costly damage and the installation against fire resulting from faults of this nature.

Schneider Electric Combination Switched Sockets with RCD protection enable quick disconnection of power in the case of an emergency and provide motor rated isolation. A neon is standard on all models to indicate that the RCD is protecting the outlet. If the neon is not illuminated, the RCD has tripped and no power is available from the socket.

The internal phase connections between switches and sockets are factory wired.

The 56RC provides stand alone protection or multiple protection of socket outlets in a modular IP66 Series Enclosure.

Warning: The RCD used in the 56 Series Modules only protects against shocks from current passing through the body to Earth; the cause of the majority of electrocutions. Complete protection under all circumstances is not possible from this or any other device.

| SINGLE PHASE RESIDUAL CURRENT DEVICE |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Catalogue Number | No. of Switch Poles | $\begin{gathered} \mathrm{I}_{\text {tie }} \\ (\text { Amp }) \end{gathered}$ | $\begin{aligned} & U_{/} / U_{e} \\ & \text { (Volt) } \end{aligned}$ | Voltage <br> Min. (V) | Parameters <br> Max. (V) | Prospective Short Circuit Current 33kA for 40 mS | Cond. Min. | Max | $\underset{\text { Rating }}{\text { IP }}$ | 0/A Dims. <br> (H) $\times$ (W) $\times(D)$ |
| 56RC | $\begin{aligned} & 2 \text { Pole 30mA } \\ & 1 \text { Phase RCD } \end{aligned}$ | 20A | 250 V | 190 | 260 | Unit must be protected by 20A max. MCB | 1.5 | 6 | 66 | $107 \times 101 \times 101$ |


| RCD PROTECTED OUTLETS |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Catalogue Number | $\begin{gathered} \mathrm{I}_{\mathrm{tme}} \\ (\operatorname{Amp}) \end{gathered}$ | $\begin{aligned} & U_{/} / U_{e} \\ & \text { (Volt) } \end{aligned}$ | Number of Sockets | Protection | Cond. T Min. | in mm² Max. | IP Rating | 0/A Dims <br> (H) $x(W) \times(D)$ | Matching Plug Straight | Matching Plug Angle | Socket Config. |
| 56C313RCD30 | 13A | 250 V | 3 Flat | 30 mA RCD |  |  | 66 |  | 56P313 | 56PA313 |  |
| 56C420RC | 20A | 500 V | 4 Round | 30 mA RCD | 1.5 | 16 | 66 | $300 \times 101 \times 110$ | 56P420 | 56PA420 | L |
| 56C432RC | 32 A | 500 V | 4 Round | 30 mA RCD | 4 | 16 | 66 | $300 \times 101 \times 110$ | 56P432 | 56PA432 | N |
| 56C520RC | 20A | 500 V | 5 Round | 30 mA RCD | 1.5 | 16 | 66 | $300 \times 101 \times 110$ | 56P520 | 56PA520 | R |
| 56C532RC | 32 A | 500 V | 5 Round | 30 mA RCD | 4 | 16 | 66 | $300 \times 101 \times 110$ | 56P532 | 56PA532 | S |



## 56E

All Schneider Electric Mounting Back Boxes are moulded in UV stabilised rigid PVC to facilitate glueing of fittings for conduit entry.

Ample conduit and cable entries are provided and there is plenty of wiring room for easy installation.

All screwed conduit entries are provided with plugs. The multigang enclosures feature moulded bridges between modules to ensure switches and sockets sit flush on a continuous
surface.
Each enclosure has a number of mounting points and 220/10 Sealing Plugs are provided to double insulate mounting screw heads and ensure the IP rating.

Moulded gaskets are supplied with switch and socket modules.


56Bridge

## Bridges

56 Series Bridges suits 56E Series Mounting Enclosures and provide a continuous flat surface for socket and switch modules in multigang enclosures, thereby ensuring sealing.

| Catalogue <br> Number | No. of <br> Gangs | O/A Dims. <br> (H) $\times(\mathrm{W}) \times(\mathbf{D})$ |  | Mounting <br> Points | No. of Conduit Entries <br> $(\mathbf{m m})$ |  | Cut-Out Provision <br> $(\mathrm{mm})$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $\mathbf{5 6 E 1}$ | 1 | $63 \times 101 \times 101$ | 8 | $2 \times 25,1 \times 32$ | $1 \times 25 / 32$ |  |  |
| $\mathbf{5 6 E S 1}$ | 1 Shallow | $38 \times 101 \times 101$ | 4 | $1 \times 25,1 \times 20$ | $1 \times 20 / 25$ |  |  |
| $\mathbf{5 6 E 2}$ | 2 | $63 \times 101 \times 198$ | 8 | $2 \times 25,1 \times 32$ | $1 \times 25,1 \times 32$ |  |  |
| $\mathbf{5 6 E D 2}$ | 2 Deep | $100 \times 101 \times 198$ | 8 | $2 \times 40$ | $1 \times 25,1 \times 32$ |  |  |
| $\mathbf{5 6 E S 2}$ | 2 Shallow | $38 \times 101 \times 198$ | 4 | $1 \times 25,2 \times 20$ | $2 \times 20 / 25$ |  |  |
| $\mathbf{5 6 E 3}$ | 3 | $294 \times 101 \times 63$ | 16 | $2 \times 25,1 \times 32$ | $2 \times 25,1 \times 32$ |  |  |
| $\mathbf{5 6 E 4}$ | 4 | $63 \times 198 \times 198$ | 16 | $2 \times 25,2 \times 32$ | $2 \times 25,1 \times 32,1 \times 40$ |  |  |

Mounting Enclosures (Back Boxes)


## Mounting Enclosure Lids (Covers)



## 56L1LEGY, 56L2LEGY

Mounting enclosure lids are moulded in UV stabilised polycarbonate.

All are 28 mm high and supplied complete with sealing gasket.

| Catalogue Number | Number of Gangs | A | B | C | D | E |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 1 | 95 | 95 | 28 | 84 | 84 |
| 56L2LE | 2 | 192 | 95 | 28 | 84 | 181 |

## Pre-Drilled Mounting Enclosure Lids



## 56L1/22LEGY

One gang, 28 mm high lids are also available pre-drilled to accept 22 mm diameter IP56 rated push- buttons or indicating lights. Dimensions are identical to the 56L1.


56L1/22/2LEGY

| Catalogue <br> Number | Hole <br> Diameter | No. of Holes | F |
| :---: | :---: | :---: | :---: |
| 56L1/22LE | 22 mm | 1 | - |
| 56L1/22/2LE | 22 mm | 2 | 20 |




## 56CB4NLEGY

## DIN Rail Accessory Mounting Cover Kits

The 56 Series Two Gang Cover Assemblies are moulded in hi-impact polycarbonate and feature a specially designed mounting bracket which will accommodate the full range of circuit breakers, RCDs and combination MCB/RCDs.

Covers suit all 56 Series enclosures (minimum standard depth 63 mm ) and are supplied with neon indicators, which can be wired from either the line or load side of the switch.

It includes a padlocking facility on the cover flap.

| COVER WITH MOUNTING BRACKET AND NEON (LESS ENCLOSURE) |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Catalogue Number | $\begin{aligned} & U_{i} / U_{e} \\ & \text { (Volt) } \end{aligned}$ | Module Type | No. of Poles | Module Width | Neon Voltage | Protective Membrane |
| 56CB4NLE | $240 \mathrm{~V} / 440 \mathrm{~V}$ | 1, 2, 3 pole MCB | 4 RCD | 4 max. | $240 \mathrm{~V} / 415 \mathrm{~V}$ | No |

## Junction Boxes

56 Series Junction Boxes are designed for industrial environments. They are supplied complete with Earth and Neutral connectors for up to $3 \times 6 \mathrm{~mm}^{2}$ cables and sealing gasket.

25 mm and 32 mm screwed conduit entries and sealing plugs are provided, as are cable entry cut outs in the back.

| Catalogue Number | No. of Gangs | O/A Dims <br> (H) $\times($ W) $)$ | (D) | IP Rating |
| :---: | :---: | :---: | :---: | :---: | Cut Outs (mm)



## 56/32GY

## Two Aperature Enclosure IP66

Apertures suit popular 30 Series Mechanisms.
Option available

- Other resistant versions available to special order.

| Catalogue Number | Description |
| :---: | :---: |
| $56 / 32$ | $107 \times 101 \times 75$ |




## Moulded Surrounds and Metal Brackets

## Flush Surrounds

Surface mounted 56 Series Sockets, Switches and Combinations can be transformed into flush mounting equivalents using the 56FA Surrounds and Brackets. The surrounds can be used on various types of walls to ensure a neat installation, such as:

- a mounting enclosure (back box) in poured concrete
- a bracket on brick, brick veneer or panel walls.
The brackets provide the installer with a practical method of flush mounting 56 Series accessories. Comprehensive installation instructions are supplied with all units.

56FA1, 56FA2 and 56FA3 Flush Surrounds contain a moulded flange, foam gasket and stainless steel mounting screws.

| Catalogue Number | Number of Gangs | Description | Dimensions (mm) |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | A | B | C | D | E |
| 56FA1 | 1 | Flush surround suits single gang 56 Series | 157 | 157 | 13 | 97 |  |
| 56FA2 | 2 | Flush surround suils two gang 56 Series | 157 | 254 | 13 | 97 | 194 |
| 56FA3 | 3 | Flush surround suits three gang 56 Series | 157 | 350 | 13 | 97 | 281 |

## Lloyd Registered Products for Shipping Approvals

| 500V Three Phase | 250V Two-way | 500 V Three Phase | 250V and Low | 250 V a.c. and Low |
| :---: | :---: | :---: | :---: | :---: |
| Sockets | Switches (Single | Combination | Voltage Switched | Voltage Plugs |
| 56SO420 | and Twin with | Switched Sockets | Sockets | 56P215/32 |
| 56 SO 432 | Sliding Switch | 56C420 | (Single and Double | 56P310 |
| 56SO440 | Dollies) | 56C432 | Pole Combination) | 56P313 |
| 56 SO 450 | 56SSW10 | 56C440 | 2 Module | 56P320 |
| 56SO520 | 56SSW15 | 56C450 | 56C310 | 56P320F |
| 56SO532 | 56SSW2/10 | 56C520 | 56C313 | 56P332 |
| 56SO540 | 56SSW2/15 | 56C532 | 56C315 | 56PA320 |
| 56SO550 |  | 56C540 | 56C315D | 56PA332 |
| 250V Sockets |  | 56C550 | 56C320 |  |
| 56SO310 |  |  | 56C332 |  |
| 56 SO 313 |  |  |  |  |
| 56SO315 |  |  | 500V Three Phase |  |
| 56SO320 |  |  | Plugs |  |
| 56SO332 |  |  | Angle |  |
| Rotary Switches |  |  | 56PA420 |  |
| (Single, Double and |  |  | 56PA432 |  |
| Triple Pole) |  |  | 56PA440 |  |
| 56SW110 |  |  | 56PA450 |  |
| 56SW110/2 |  |  | 56PA520 |  |
| 56SW115 |  |  | 56PA532 |  |
| 56SW120 |  |  | 56PA540 |  |
| 56SW132 |  |  | 56PA550 |  |
| 56SW150 |  |  | Straight |  |
| 56SW163 |  |  | 56P420 |  |
| 56SW220 |  |  | 56P432 |  |
| 56SW232 |  |  | 56P440 |  |
| 56SW250 |  |  | 56P450 |  |
| 56SW263 |  |  | 56P520 |  |
| 56SW310 |  |  | 56P532 |  |
| 56SW320 |  |  | 56P540 |  |
| 56SW332 |  |  | 56P550 |  |
| 56SW350 |  |  |  |  |
| 56SW363 |  |  |  |  |

## Department of Industrial Relations Coal Mines Regulation Act 1982

| Rotary Switches | 500V Three Phase | 500V Three Phase |
| :--- | :--- | :--- |
| (Single, Double and | Sockets | Angle Plugs |
| Triple Pole) | 56 SO 532 | 56PA520 |
| 56SW120 | 56 SO 540 | 56PA532 |
| 56SW132 | 56 SO 550 | 56PA540 |
| 56SW150 |  | 56PA550 |
| 56SW220 |  |  |
| 56SW250 |  |  |
| 56SW320 |  |  |
| 56SW332 |  |  |
| $56 S W 350$ |  |  |

56 Series accessories comply with the relevant parts of the following standards:

AS/NZS3123 - Approval and test specifications - plugs, socket outlets and couplers for general industrial application.

AS/NZS3133 - Approval and test specifications air break switches.

## Plug Configurations

## 2 \& 3 Pin <br> 



32A 500V
1 1 15 A 250 V


4 Pin


7 Pin


International Protection Ratings \& Technical Terms

PROTECTION AGAINST SOLIDS

|  | TEST | PROTECTION |
| :---: | :---: | :---: |
| x | No test applied | No specific protection |
| 0 | No test applied | Inherent degree of protection |
| 1 |  | Protected against solid objects equal to or greater than 50 mm diameter. (eg. accidental contact with hand) |
| 2 |  | Protected against solid objects equal to or greater than 12.5 mm diameter. (eg. contact with finger) |
| 3 |  | Protected against solid objects equal to or greater than 2.5 mm diameter. (eg. tools and wires) |
| 4 |  | Protected against solid objects equal to or greater than 1 mm diameter. (eg. fine tools and wires) |
| 5 |  | Protected against quantities of dust that could interfere with satisfactory operation. |
| 6 |  | Completely protected against dust. |

Defined by IEC 60529
DIN 40050 CEI 70-1

To Australian standards AS 60529-2004
Degrees of protection provided by enclosures. (IP Code)

PROTECTION AGAINST LIQUIDS
$\left.\left.\begin{array}{|c|c|c|}\hline & \text { NEST } & \text { PROTECTION } \\ \hline x & \text { No test applied } & \text { No specific protection }\end{array} \right\rvert\, \begin{array}{c}\text { Inherent degree } \\ \text { of protection }\end{array}\right]$

Defined by IEC 60529

PROTECTION AGAINST IMPACT

|  | TEST | PROTECTION |
| :---: | :---: | :---: |
| x | No test applied | No specific protection |
| 1 | $\underbrace{150 \mathrm{~cm}}_{i}$ | Resistant to impacts of weight up to 150 g falling from 15 cm . |
| 3 |  | Resistant to impacts of weight up to 250 g falling from 20 cm . |
| 5 |  | Resistant to impacts of weight up to 500 g falling from 40 cm . |
| 7 |  | Resistant to impacts of weight up to 1.5 kg falling from 40 cm . |
| 9 |  | Resistant to impacts of weight up to 5 kg falling from 40 cm . |

Defined by UTE 20010

The following technical terms are brief descriptions indicating the tests involved to attain ratings. For further information refer to the standards indicated.

## M-Rating <br> (Refer AS/NZS3133)

Schneider Electric switches and switched socket outlets are marked with an M-Rating. This indicates that these products have been tested and found suitable for switching locked rotor current

In part, this test involves 50 operations, make and break of the nominated locked rotor current at 0.5 power factor lagging. The switch will not fail to interrupt the current or fail in any way electrically or mechanically.

AC-15
(refer AS/NZS3947)
Control of electromagnetic loads (>72VA).

## AC-23

(refer AS/NZS3947)
Switching of motor loads or highly inductive loads.

In part this involves five make and break operations at:

- 10 times rated current make
- 1.1 times rated voltage make
- 0.35 cos
- 8 times rated current break
- 1.1 times rated voltage break
- 0.35 cos .

Additional mechanical at no load and electrical endurance tests at rated current and voltage at 0.35 cos are conducted.

AC-21

## (refer AS/NZS3947)

Switching of resistive loads, including moderate overloads

In part this involves five make and break operations, at $1 \frac{1}{2}$ times rated current and 1.1 times rated voltage at 0.95 cos.

Additional mechanical no load and electrical endurance tests at rated current and voltage at 0.95 cos are conducted.

AC-22
(refer AS/NZS3947)
Switching of mixed resistive and inductive loads, including moderate overloads.

In part this involves five make and break operations at three times rated current and 1.1 times rated voltage at 0.65 cos. Additional mechanical no load and electrical endurance tests at rated current and voltage at 0.65 cos.

| Cable Size - Nominal Area <br> of Conductor mm² | No. and Diameter of <br> Wires for Standard <br> Conductor No./mm | Overall Diameter of <br> AS/NZS300U Table E7 mm |
| :---: | :---: | :---: |
| 0.5 | $1 / 0.80$ | 2.5 |
| 1 | $1 / 11.13$ | 2.9 |
| 1.5 | $1 / 1.38$ | 3.2 |
|  | $7 / 0.50$ | 3.3 |
| 2.5 | $1 / 1.78$ | 3.6 |
|  | $7 / 0.67$ | 3.8 |
| 4 | $7 / 0.85$ | 4.8 |
| 6 | $7 / 1.04$ | 5.3 |
| 10 | $7 / 1.35$ | 6.3 |
| 16 | $7 / 1.70$ | 7.3 |
| 25 | $19 / 1.35$ | 9.4 |
| 35 | $19 / 1.53$ | 10.4 |
| 50 | $19 / 1.78$ | 12.0 |
| 70 | $19 / 2.14$ | 13.8 |
| 95 | $37 / 1.78$ | 16 |
| 120 | $37 / 2.03$ | 17.7 |
| 150 | $37 / 2.25$ | 19.7 |
| 185 | $37 / 2.52$ | 22 |
| 240 | $61 / 2.25$ | 25.1 |
| 300 | $61 / 2.52$ | 27.9 |
| 400 | $61 / 2.85$ | 31.4 |
| 500 | $61 / 3.20$ | 34.9 |
| 630 | $127 / 2.52$ | 38.9 |

Dimensions, standard copper and aluminium conductors 1 core $0.6 / 1 \mathrm{kV}$ PVC insulated cable to AS/NZS5000, $75^{\circ} \mathrm{C}$
Note: For exact dimensions refer to manufacturers' details.

Useful 3-Phase Formulae
$k W=$ Line Amps $\times$ Line Volts $\times 1.732 \times$ P.F. 1000
$\mathrm{kVA}=$ Line Amps $\times$ Line Volts $\times 1.732$ 1000
$k W=k V . A \times P . F$.

## Electric Motors

$$
\begin{aligned}
\text { Power Output } & =\text { Power Input } \times \text { Efficiency } \\
\text { kW Output } & =\text { kW Input } x \text { Efficiency } \\
\text { kW Output } & =\frac{1.732 \times \text { Line Volts } \times \text { Line Amps } \times \text { P.F. } \times \text { Efficiency }}{1000} \\
\text { kV.A Input } & =\frac{1.732 \times \text { Line Volts } \times \text { Line Amps }}{1000}
\end{aligned}
$$

Line Amperes $=\quad 1000 \times \mathrm{kW}$ Output
Line Volts $\times 1.732 \times$ P.F. x Efficiency
Line Amperes $=1000 \times \mathrm{kV} . \mathrm{A}$ Input
Line Volts $\times 1.732$

The power factor is usually taken as 0.8 (as an all-round figure) but this varies with the speed and size of the motor. The efficiency varies from $85 \%$ in small motors to $90 \%$ and over for large motors.

| Measure | Symbol | Unit |
| :---: | :---: | :---: |
| Length | S | m |
| Area | A | $\mathrm{m}^{2}$ |
| Volume | V | $\mathrm{m}^{3}$ |
| Weight | m | kg |
| Density | P | $\mathrm{kg} / \mathrm{m}^{3}$ |
| Time | t | s |
| Frequency | F | Hz |
| Rotary Speed | n | $\mathrm{s}^{-1}$ |
| Linear Speed | v | ms ${ }^{1}$ |
| Acceleration | a | $\mathrm{ms}^{-2}$ |
| Power | F | N (Newton) |
| Pressure | P | Pa (Pascal) |
| Torque | M | Nm |
| Work | W | $J$ (Joule) |
| Power | P | W (Watt) |
| Reactive Voltampere |  | Var |
| Voltampere |  | V.A |
| Current | 1 | A (Ampere) |
| Operational Current | 1th | A |
| Conventional Enclosed | the | A |
| Thermal Current | 61/2.85 | 31.4 |
| Voltage | U | V (Volts) |
| Insulated Voltage | Ui | V |
| Operational Voltage | Ue | $v$ |
| Resistance | R | (0hm) |
| Impedance | Z |  |
| Reactance | X |  |
| Reluctance | S | AWb |
| Capacitance | c | F (Farad) |
| Quantity of Electricity | Q | C (Coulomb) |
| Magnetic Field Strength | H | $\mathrm{A} / \mathrm{m}$ |
| Magnetic Flux | $\emptyset$ | Wb (Weber) |
| Inductance | L | H (Henry) |
| Magnetic Flux Density | B | T (Tesca) |
| Temperature | t | ${ }^{\circ} \mathrm{C}$ (Centigrade) |
| Illuminance | E | Ix (Lux) |
| Luminance | L | $\mathrm{cd} / \mathrm{m}^{2}$ |
| Luminous Flux | $\emptyset$ | Im (Lumen) |
| Luminous Intensity | 1 | cd (Candela) |

Abbreviations for Multiples and Sub Multiples

| T | tera | $10^{12}$ |
| :---: | :---: | :---: |
| G | giga | $10^{9}$ |
| M | mega | $10^{6}$ |
| k | kilo | $10^{3}$ |
| d | deci | $10^{-1}$ |
| c | centi | $10^{-2}$ |
| m | milli | $10^{-3}$ |
| u | micro | $10^{-6}$ |
| n | nano | $10^{-9}$ |
| p | pico | $10^{-12}$ |

## Common Conversion Factors

| Quality | Non-SI Unit | Metric | Conversion Factors (approx.) Non-SI to Metric (SI) Units | Metric (SI) to Non-SI Units |
| :---: | :---: | :---: | :---: | :---: |
| Length | Inch (in) | Millimetre (mm) or Centimetre (cm) | $1 \mathrm{in}=25.4 \mathrm{~mm}$ | $1 \mathrm{~cm}=0.39 \mathrm{in}$ |
|  | Foot (tt) | Centimetre (cm) or Metre (m) | $1 \mathrm{ft}=30.5 \mathrm{~cm}$ | $1 \mathrm{~m}=3.28 \mathrm{ft}$ |
|  | Yard (yd) | Metre (m) | $1 \mathrm{yd}=0.914 \mathrm{~m}$ | $1 \mathrm{~m}=1.09 \mathrm{yd}$ |
|  | Mile | Kilometre (km) | 1 mile $=1.61 \mathrm{~km}$ | $1 \mathrm{~km}=0.62$ mile |
| Area | Square Inch ( $\mathrm{in}^{2}$ ) | Square Millimetre (mm²) | $1 \mathrm{in}^{2}=645 \mathrm{~mm}^{2}$ | $1 \mathrm{~mm}^{2}=0.002 \mathrm{in}^{2}$ |
|  | Square Inch (in²) | Square Centimetre (cm²) | $1 \mathrm{in}^{2}=6.45 \mathrm{~cm}^{2}$ | $1 \mathrm{~cm}^{2}=0.155 \mathrm{in}^{2}$ |
|  | Square Foot ( (t2) | Square Centimetre ( $\mathrm{cm}^{2}$ ) or Square Metre ( $\mathrm{m}^{2}$ ) | $1 \mathrm{tt}^{2}=929 \mathrm{~cm}^{2}$ | $1 \mathrm{~m}^{2}=10.76 \mathrm{tt}^{2}$ |
|  | Square Yard (yd ${ }^{\text {2 }}$ ) | Square Metre ( $\mathrm{m}^{2}$ ) | $1 \mathrm{yd}^{2}=0.836 \mathrm{~m}^{2}$ | $1 \mathrm{~m}^{2}=1.20 \mathrm{yd}^{2}$ |
|  | Acre | Hectare (ha) | 1 acre $=0.405$ ha | $1 \mathrm{ha}=2.47$ acres |
|  | Square Mile | Square Kilometre (km²) | 1 Square Mile $=2.59 \mathrm{~km}^{2}$ | $1 \mathrm{~km}^{2}=0.387$ sq. mile |
| Volume | Cubic Inch (in ${ }^{3}$ ) | Cubic Centimetre ( $\mathrm{cm}^{3}$ ) | $1 \mathrm{in}^{3}=16.4 \mathrm{~cm}^{3}$ | $1 \mathrm{~cm}^{3}=0.06 \mathrm{in}^{3}$ |
|  | Cubic Inch (tit) | Cubic Decimetre ( $\mathrm{dm}^{3}$ ) or | $1 \mathrm{ft}^{3}=28.3 \mathrm{dm}^{3}$ | $1 \mathrm{~m}^{3+}=35.3 \mathrm{ff}^{3}$ |
|  | Cubic Yard (yd ${ }^{\text {3 }}$ ) | Cubic Metre ( $\mathrm{m}^{3}$ ) | $1 \mathrm{yd}^{3}=0.765 \mathrm{~m}^{3}$ | $1 \mathrm{~m}^{3}=1.31 \mathrm{yd}^{3}$ |
| Volume (Fluids) | Fluid Ounce UK (fl. oz UK) | Millilitre (ml) | 1 fl . oz (UK) $=28.4 \mathrm{ml}$ | $1 \mathrm{ml}=0.035 \mathrm{fl}$. oz (UK) |
|  | Pint UK (pt UK) | Milililitre (ml) or Litre (I) | 1 pint UK $=568 \mathrm{ml}$ | $11=1.76$ pint (UK) |
|  | Gallon UK (gal UK) | Litre (I) or Cubic Metre ( $\mathrm{m}^{3}$ ) | 1 gal UK $=4.55 \mathrm{I}$ | $1 \mathrm{~m}^{3}=220$ gallons (UK) |
|  | Fluid Ounce US (FI. oz US) | Millilitre (ml) | 1 fl . oz (US) $=29.6 \mathrm{ml}$ | $1 \mathrm{ml}=0.034 \mathrm{fl} .02$ (US) |
|  | Pint US (gal US) | Litre (I) or Millilitre | 1 pint (US) $=473 \mathrm{ml}$ | $11=2.11$ pint (US) |
|  | Gallon US (gal US) | Litre | 1 gallon (US) $=3.791$ | $11=0.264$ gallon (US) |
| Mass | Ounce (0z) | Gram (g) | $102=28.3 \mathrm{~g}$ | $1 \mathrm{~g}=0.03502$ |
|  | Pound (lb) | Gram (g) or kilogram (kg) | $1 \mathrm{lb}=454 \mathrm{~g}$ | $1 \mathrm{~kg}=2.20 \mathrm{lb}$ |
|  | Ton | Tonne (t) | 1 ton $=1.02$ tonne | 1 tonne $=0.984$ ton |
|  | tael | Gram (g) | 1 tael= 37.8 g | $1 \mathrm{~g}=0.026$ tael |
|  | Catty | Kilogram (kg) | 1 catty $=0.605 \mathrm{~kg}$ | $1 \mathrm{~kg}=1.65$ cattoes |
|  | Picul | Kilogram (kg) | 1 picul $=60.50 \mathrm{~kg}$ | $1 \mathrm{~kg}=0.017$ picul |
| Force | Pound Force (bf) | Newton (N) | $1 \mathrm{lbf}=4.45 \mathrm{~N}$ | $1 \mathrm{~N}=0.225 \mathrm{lbf}$ |
|  | Kilogram Force (kgf) | Newton (N) | $1 \mathrm{kgf}=9.81 \mathrm{~N}$ | $1 \mathrm{~N}=0.102 \mathrm{kgf}$ |
| Pressure | Pound Force per square inch (psi) | kilopascal (kPa) | $1 \mathrm{psi}=6.86 \mathrm{kPa}$ | $1 \mathrm{kPa}=0.145 \mathrm{psi}$ |
|  | Kilogram force per square centimetre (kgt/cm²) | kilopascal (kpa) | $1 \mathrm{kgt} / \mathrm{cm}^{2}=98 \mathrm{kPa}$ | $1 \mathrm{kPa}=0.01 \mathrm{kgt} / \mathrm{cm}^{2}$ |
|  | Inch of water (in $\mathrm{H}_{2} \mathrm{O}$ ) | Pascal (Pa) | 1 in $\mathrm{H}_{2} \mathrm{O}=249 \mathrm{~Pa}$ | $1 \mathrm{~Pa}=0.004$ in $\mathrm{H}_{2} \mathrm{O}$ |
|  | Bar | kilopascal (kPa) | $1 \mathrm{Bar}=100 \mathrm{kPa}$ | $1 \mathrm{kPA}=0.01 \mathrm{bar}$ |
| Velocity | Mile per hour (mph) | Kilometre per hour (km/h) | $1 \mathrm{mile}=1.61 \mathrm{~km} / \mathrm{h}$ | $1 \mathrm{~km} / \mathrm{h}=0.62 \mathrm{mph}$ |
| Temperature | Fahrenheit temp. (F) | Celsius temp. (C) | $\stackrel{\circ}{\circ} \mathrm{C}=5$ ( $\left.{ }_{9} \mathrm{~F}-32\right)$ | $\underline{O F}=\left(9 x^{\circ} \mathrm{C}\right)+32$ |
| Density | Pound per cubic inch (lb/in ${ }^{3}$ ) | Gram per cubic centimetre $\left(\mathrm{g} / \mathrm{cm}^{3}\right)$ $=$ tonne per cubic metre $\left(\mathrm{t} / \mathrm{m}^{3}\right)$ | $1 \mathrm{lb} / \mathrm{n}^{3}=27.7 \mathrm{t} / \mathrm{m}^{3}$ | $1 \mathrm{t} / \mathrm{m}^{3}=0.036 \mathrm{lb} / \mathrm{n}^{3}$ |
|  | Pound per cubic foot (lb/ $/ \mathrm{t}^{3+1)}$ | Kilogram per cubic metre (kg/m) | $1 \mathrm{l} / / \mathrm{tr}^{3}=16.02 \mathrm{~kg} / \mathrm{m}^{3}$ | $1 \mathrm{~kg} / \mathrm{m}^{3}=0.06 \mathrm{lb} / \mathrm{tr}^{3}$ |
|  | Ton per cubic yard (ton//d ${ }^{3}$ ) | Tonne per cubic metre (t/m) | $1 \mathrm{ton} / \mathrm{yd}=1.33 \mathrm{t} / \mathrm{m}^{3}$ | $1 \mathrm{t} / \mathrm{m}^{3}=0.752 \mathrm{ton} / \mathrm{yd} \mathrm{d}^{3}$ |
| Energy | British thermal unit (Btu) | Kilojoule (kJ) | $1 \mathrm{Btu}=1.06 \mathrm{~kJ}$ | $1 \mathrm{~kJ}=0.948 \mathrm{Btu}$ |
|  | Therm | Megajoule (MJ) | 1 Therm = 106 MJ | $1 \mathrm{MJ}=9.48 \times 10^{-3}$ therm |
|  | Calorie (dietician) | Kilojoule (kJ) | 1 Cal (dietician) $=4 \mathrm{~kJ}$ | $1 \mathrm{~kJ}=0.23 \mathrm{Cal}$ (dietician) |
| Power | Horsepower (hp) | Kilowatt (kW) | $1 \mathrm{hp}=0.746 \mathrm{~kW}$ | $1 \mathrm{~kW}=1.34 \mathrm{hp}$ |
| Fuel Consumption | Mile per gallon (mpg) | Litres per 100 m | $\frac{(\mathrm{n}) \times \mathrm{mpg}=2821 / 100 \mathrm{~km}}{\mathrm{n}}$ | $\frac{(n) \times 1 / 100 \mathrm{~km}=282}{\mathrm{n}}$ |



Switch is 30 Series mech.
56C310
56C315
56CV315
56SW110
56SW115


Switch terminals are not identified
Switch is backwired
Conductor termination is plain screw type

| 56SW310 | 56 SW363 | 56 C532 |
| :--- | :--- | :--- |
| 56SW320 | 56 C 432 | 56 C 540 |
| 56SW332 | 56 C 440 | 56 C 550 |
| 56SW350 | 56 C 450 |  |



Switch is sidewired
Conductor termination is pressure plate type
56SW220
56SW232
56SW250
56SW263


If neutral potential is applied to remote terminal timer function is overridden

56SW420


Switch is sidewired
Conductor termination is pressure plate type

56SSR


56PB (No Marking, Colour Green, Non Latching)
56PBS (Stop, Colour Red, Non Latching)
56PBS1 (Emergency Stop, Marked on Switch and Plate, Colour Red Mushroom, Latching 56/2PB (Stop/Start, Colour Red/Green, Non Latching)
56/2PBS1 (Stop, Colour Red Mushroom, Latching)(Start, Colour Green, Non Latching)


Switch is 30 Series mech.
56SW110/2
56SW115/2
56SSW10
56SSW15


Clrcuit is shown in the 'OFF' position 56SSW2/10

56SSW2/15

## Wiring Diagram Types



| Catalogue Number | Reference Page | Catalogue Number | Reference Page | Catalogue Number | Reference Page |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 56/2PB | 12 | 56P416 | 15 | 56SSR | 13 |
| 56/2PBS 1 | 12 | 56P416K | 15 | 56SW110 | 10 |
| 56/32 | 22 | 56P420 | 15 | 56SW110/2 | 10 |
| 56Bridge | 18 | 56P432 | 15 | 56 SW115 | 10 |
| 56 C 310 | 8 | 56P440 | 15 | 56SW116 | 10 |
| 56 C 313 | 8 | 56P450 | 15 | 56SW120 | 10 |
| 56C313/2 | 8 | 56P516 | 15 | 56SW132 | 10 |
| 56C313RCD30 | 17 | 56P520 | 15 | 56SW150 | 10 |
| 56 C 315 | 8 | 56P532 | 15 | 56SW163 | 10 |
| 56C315D | 8 | 56P540 | 15 | 56SW210 | 10 |
| 56C315RP | 8 | 56P550 | 15 | 56SW216 | 10 |
| 56C316RP | 8 | 56PA313 | 15 | 56SW220 | 10 |
| 56 C 320 | 8 | 56PA315RP | 15 | 56SW232 | 10 |
| 56 C 332 | 8 | 56PA316RP | 15 | 56SW250 | 10 |
| 56 C 416 | 8 | 56РАЗ20 | 15 | 56SW263 | 10 |
| 56 C 420 | 8 | 56PA332 | 15 | 56SW310 | 10 |
| 56C420RC | 17 | 56PA416 | 15 | 56SW316 | 10 |
| 56 C 432 | 8 | 56PA416K | 15 | 56SW320 | 10 |
| 56C432RC | 17 | 56PA420 | 15 | 56SW332 | 10 |
| 56 C 440 | 8 | 56PA432 | 15 | 56SW350 | 10 |
| 56C450 | 8 | 56PA440 | 15 | 56SW363 | 10 |
| 56C516 | 8 | 56PA450 | 15 | 56SW420 | 10 |
| 56 C 520 | 8 | 56PA516 | 15 |  |  |
| 56C520RC | 17 | 56PA520 | 15 |  |  |
| 56C532 | 8 | 56PA532 | 15 |  |  |
| 56C532RC | 17 | 56PA540 | 15 |  |  |
| 56C540 | 8 | 56PA550 | 15 |  |  |
| 56 C 550 | 8 | 56PB | 12 |  |  |
| 56CB4NLE | 21 | 56PBS | 12 |  |  |
| 56E1 | 18 | 56PBS1 | 12 |  |  |
| 56E2 | 18 | 56PEDD3 | 14 |  |  |
| 56E3 | 18 | 56RC | 17 |  |  |
| 56E4 | 18 | 56SO310 | 9 |  |  |
| 56ED2 | 18 | 56 SO 313 | 9 |  |  |
| 56ES1 | 18 | 56 SO 315 | 9 |  |  |
| 56ES2 | 18 | 56SO315RP | 9 |  |  |
| 56FA1 | 23 | 56SO316RP | 9 |  |  |
| 56FA2 | 23 | 56 SO 320 | 9 |  |  |
| 56FA3 | 23 | 56 SO 332 | 9 |  |  |
| 56JB1 | 22 | 56 SO 416 | 9 |  |  |
| 56JB2 | 22 | 56SO416K | 9 |  |  |
| 56L1LE | 20 | 56SO420 | 9 |  |  |
| 56L1/22LE | 20 | 56SO432 | 9 |  |  |
| 56L1/22/2LE | 20 | 56 SO 440 | 9 |  |  |
| 56L2LE | 20 | 56SO450 | 9 |  |  |
| 56P215/32 | 15 | 56 SO 516 | 9 |  |  |
| 56P310 | 15 | 56 SO 20 | 9 |  |  |
| 56P313 | 15 | 56 SO 532 | 9 |  |  |
| 56P315 | 15 | 56 SO 540 | 9 |  |  |
| 56P315RP | 15 | 56 SO 550 | 9 |  |  |
| 56P316RP | 15 | 56SSW10 | 11 |  |  |
| 56P320 | 15 | 56SSW15 | 11 |  |  |
| 56P320F | 15 | 56SSW2/10 | 11 |  |  |
| 56P332 | 15 | 56SSW2/15 | 11 |  |  |

Notes

Notes

## About Schneider Electric

As the global specialist in energy management with operations in more than 100 countries, Schneider Electric offers integrated solutions across multiple market segments, including leadership positions in energy and infrastructure, industrial processes, building automation, and data centres/networks, as well as a broad presence in residential applications. Focused on making energy safe, reliable, and efficient, the company's 110,000 plus employees achieved sales of 19.6 billion euros in 2010, through an active commitment to help individuals and organizations "Make the most of their energy".

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[^0]:    This table should be used as a guide only. Any end user should test to evaluate the suitability of any chemical with any plastic.
    $\begin{array}{llll}\text { A - EXCELLENT } & \text { Recommended; no adverse effects after extended exposure. } & \text { B - GOOD } & \text { Acceptable, minimal loss of mechanical properties after long periods of exposure. } \\ \text { C - FAIR } & \text { Marginal acceptability; loss of mechanical properties after long periods of exposure. } & \text { D - POOR } & \text { Not recommended for use. }\end{array}$

[^1]:    Note: AC utilisation categories to AS/NZS3947.3 $\quad I_{\text {the }}$ - Conventional Enclosed Thermal Current $\quad U_{i}$ - Insulation Voltage $\quad U_{e}-$ Operational Voltage

