

Pushbuttons \& Pilot Lights


Pilot Devices - Compact 22mm Series

| Pushbuttons |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| Type | Characteristic | NO | NC | Part No. |
| Flush | Green | 1 | - | 1SFA619100R1012 |
|  | Yellow | 1 | - | 1SFA619100R1013 |
|  | Blue | 1 | - | 1SFA619100R1014 |
|  | Black | 1 | - | 1SFA619100R1016 |
|  | Green | 2 | - | 1SFA619100R1022 |
|  | Black | 2 | - | 1SFA619100R1026 |
|  | Red | - | 1 | 1SFA619100R1041 |
|  | Black | - | 1 | 1SFA619100R1046 |
|  | Red | 1 | 1 | 1SFA619100R1071 |
|  | Green | 1 | 1 | 1SFA619100R1072 |
|  | Yellow | 1 | 1 | 1SFA619100R1073 |
|  | Blue | 1 | 1 | 1SFA619100R1074 |
| Raised | Red | - | 1 | 1SFA619102R1041 |
| Emergency stop | 30 mm Stop twist release | - | 1 | 1SFA619500R1041 |
|  |  | - | 2 | 1SFA619500R1051 |
|  |  | 1 | 1 | 1SFA619500R1071 |
|  | 40mm Stop twist release | - | 1 | 1SFA6195550R1041 |
|  |  | - | 2 | 1SFA619550R1051 |
|  |  | 1 | 1 | 1SFA619550R1071 |
|  | 40mm Stop key release | - | 2 | 1SFA619552R1051 |
|  |  | 1 | 1 | 1SFA619552R1071 |

Selector Switches

| Type | No. of Positions | Action | Function | NO | NC | Part No. |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Short Handle Switch | 2 | Maintained | BC | 1 | - | 1SFA619200R1016 |
|  |  |  | BC | 2 | - | 1SFA619200R1026 |
|  |  |  | BC | 1 | 1 | 1SFA619200R1076 |
|  |  |  | AC | 1 | - | 1SFA619201R1016 |
|  |  |  | AC | 2 | - | 1SFA619201R1026 |
|  |  |  | AC | - | 1 | 1SFA619201R1046 |
|  |  |  | AC | 1 | 1 | 1SFA619201R1076 |
|  |  |  | BC | 2 | - | 1SFA619202R1026 |
|  |  |  | BC | 1 | 1 | 1SFA619202R1076 |
|  | 3 | Spring reutrn | ABC | 2 | - | 1SFA619210R1026 |
|  |  |  | ABC | 1 | 1 | 1SFA619210R1076 |
|  |  |  | A-B-C | 2 | - | 1SFA619211R1026 |
|  |  |  | AB-C | 2 | - | 1SFA619212R1026 |
|  |  |  | AB-C | 1 | 1 | 1SFA619212R1076 |


| Plot Lights |  |  |  |
| :---: | :---: | :---: | :---: |
| Type | Characteristic |  | Part No. |
| Pilot light heads | Red |  | 1SFA619402R1001 |
|  | Green |  | 1SFA619402R1002 |
|  | Yellow |  | 1SFA619402R1003 |
|  | Blue |  | 1SFA619402R1004 |
|  | White |  | 1SFA619402R1005 |
|  | Clear |  | 1SFA619402R1008 |
| Pilot light heads (Integrated LED) | 24 V AC/DC | Red | 1SFA619403R5021 |
|  |  | Green | 1SFA619403R5022 |
|  |  | Yellow | 1SFA619403R5023 |
|  |  | Blue | 1SFA619403R5024 |
|  |  | Clear | 1SFA619403R5028 |
|  | 100-130V AC | Red | 1SFA619403R5131 |
|  |  | Green | 1SFA619403R5132 |
|  |  | Yellow | 1SFA619403R5133 |
|  |  | Clear | 1SFA619403R5138 |
|  | 100-130V DC | Red | 1SFA619403R5151 |
|  |  | Green | 1SFA619403R5152 |
|  |  | Yellow | 1SFA619403R5153 |
|  |  | Clear | 1SFA619403R5158 |
|  | 230 V AC | Red | 1SFA619403R5231 |
|  |  | Green | 1SFA619403R5232 |
|  |  | Yellow | 1SFA619403R5233 |
|  |  | Blue | 1SFA619403R5234 |
|  |  | Clear | 1SFA619403R5238 |


| Pushbution Enclosures |  |
| :--- | :--- |
| Type | Part No. |
| Compact enclosure 1 Hole - Yellow | 1SFA619821R1000 |
| Compact enclosure E-Stop | 1SFA619821R1001 |
| Compact enclosure E-Stop With shroud | 1SFA619821R2001 |
| E-Stop Shroud with compact enclosure | 1SFA619920R8053 |
| CP1-10W-10 Compact pushbutton | 1SFA619100R1015 |
| C2SS1-10R-20 Compact selector switch | 1SFA619200R1021 |



## Pushbuttons \& Pilot Lights

Pilot Devices - Modular 22mm Series

| Pushbutions |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Type | Characteristic |  |  | Part No. Plastic |  | Part No. Metal |  |
| Flush | Non illuminated |  |  | 1SFA611100R100 | $\square$ | 1SFA611100R300 | $\square$ |
|  | Illuminated | Red |  | 1SFA611100R1101 |  | 1SFA611100R3001 |  |
|  |  | Green |  | 1SFA611100R1102 |  | 1SFA611100R3002 |  |
|  |  | Yellow |  | 1SFA611100R1103 |  | 1SFA611100R3103 |  |
|  |  | White |  | 1SFA611100R1105 |  | 1SFA611100R3105 |  |
| Raised | Non illuminated | Red |  | 1SFA611102R1001 |  | 1SFA611102R3001 |  |
| Double Function | $\frac{\text { Non illuminated }}{\text { Illuminated }}$ Green/Red |  |  | 1SFA611130R1106 |  |  |  |
|  |  |  |  | 1SFA611131R1102 |  |  |  |
| Mushroom | Non illuminated | Red | 40 mm | 1SFA611124R1001 |  |  |  |
|  | Non latching |  | 60 mm | 1SFA611125R1001 |  |  |  |


| Selector Switches |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Type | No. of Position | Action | Maintained Positions | Part No. Plastic | Part No. Metal |
| Short | 2 | Maintained | B-C | 1SFA611200R1006 | 1SFA61120083006 |
|  |  | Spring | C-B | 1SFA611202R1006 | 15FA611202R3006 |
|  | 3 | Maintained | A-B.C | 1SFA611210R1006 | 1SFA61120183006 |
|  |  | Spring return | A-B/C-B | 1SFA612211R1006 | 15FA611211133006 |


| Key Switches |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Type | No. of Position | Action | Key Removal | Part No. Plastic | Part No. Metal |
| Key Operated | 2 | Maintained | B-C | 1SFA611280R1001 | 1SFA611280R3001 |
|  |  | Maintained | B | 1SFA611281R1001 | 1SFA611281R3001 |
|  |  | Spring return | B | 1SFA611282R1001 | 1SFA611282R3001 |
|  | 3 | Maintained | A-B-C | 1SFA611283R1001 | 1SFA611283R3001 |
|  |  | Maintained | B | 1SFA611284R1001 | 1SFA611284R3001 |
|  |  | Spring return | B | 1SFA611285R1001 | 1SFA611285R3001 |

## Pilot Lights

| Type | Characteristic | Part No. Plastic |
| :--- | :--- | :--- |
|  | Red | 1SFA611400R1001 |
| Gilot light heads | Green | 1SFA611400R1002 |
|  | Yellow | 1SFA611400R1003 |
|  | Blue | 1SFA611400R1004 |
|  | White | 1SFA611400R1005 |
|  | Clear | 1SFA611400R1008 |
| Emergency stop twist to release | E-Stop 40mm | 1SFA611523R1001 |


| Contact Blocks |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| Type | NO | NC | Part No. |  |
| 5 Block holder |  |  | 1SFA611601R1100 |  |
| 3 Block holder |  |  | 1SFA611605R1100 |  |
| 3 Block holder + | 1 | - | 1SFA611605R1101 |  |
|  | 2 | - | 1SFA611605R1102 |  |
|  | - | 1 | 1SFA611605R1110 |  |
|  | 1 | 1 | 1SFA611605R1111 |  |
|  | - | 2 | 1SFA611605R1120 |  |
| Contact block | 1 | - | 1SFA611610R1001 |  |
|  | - | 1 | 1SFA611610R1010 |  |
| Double contact block | 2 | - | 1SFA611610R1002 | - |
|  | 1 | 1 | 1SFA611610R1011 |  |
|  | - | 2 | 1SFA611610R1020 |  |



Pushbuttons \& Pilot Lights


Pilot Light Heads - Integrated LED

| Lamp Blocks |  |  |
| :---: | :---: | :---: |
| Type Characteristic |  | Part No. |
|  24V AC/DC <br> Pilot light <br> heads <br> (Integrated <br> LED) $100-130 \mathrm{~V}$ AC <br>   <br>  230V AC | Red | 1SFA611621R1011 |
|  | Green | 1SFA611621R1012 |
|  | Yellow | 1SFA611621R1013 |
|  | Blue | 1SFA611621R1014 |
|  | Clear | 1SFA611621R1015 |
|  | Red | 1SFA611621R1041 |
|  | Green | 1SFA611621R1042 |
|  | Yellow | 1SFA611621R1043 |
|  | Clear | 1SFA611621R1045 |
|  | Red | 1SFA611621R1071 |
|  | Green | 1SFA611621R1072 |
|  | Yellow | 1SFA611621R1073 |
|  | Blue | 1SFA611621R1074 |
|  | Clear | 1SFA611621R1075 |
| Enclosures \& Accessories |  |  |
| Type | Characteristics | Part No. |
| Empty grey enclosure | 1 Hole | 1SFA611811R1000 |
|  | 2 Hole | 1SFA611812R1000 |
|  | 3 Hole | 1SFA611813R1000 |
|  | 4 Hole | 1SFA611814R1000 |
| Empty yellow enclosure | 1 Hole | 1SFA611821R1000 |
| Mounting tool | New modular | 1SFA611920R8015 |
| Emergency stop shroud | Modular | 1SFA611920R8053 |
| Blanking plug | Black | 1SFA611920R8130 |
| Legend plate | Holder - Black | 1SFA616920R8120 |
|  | Insert - No text | 1SFA616920R8121 |
|  | Holder for plastic enclosures | 1SFA611930R1060 |
|  | Insert for plastic enclosures | 1SFA611930R1061 |

Contact Blocks for Enclosures

| NO | NC | Part No. |
| :--- | :--- | :--- |
| 1 | 0 | SFA611610R2001 |
| 0 | 1 | 1SFA611610R2010 |
| 2 | 0 | 1SFA611610R2002 |
| 0 | 2 | 1SFA611610R2020 |
| 1 | 1 | 1SFA611610R2011 |

## LED Indicator Lamps

A range of 22 mm indicator lamps used in electrical circuits in a variety of voltages. They are primarily used for indication and alarm signals and conform to IEC60947-5-1. The AD56DS utilize LEDs for long life and very low energy consumption and have concealed terminals.

| Technical Specification |  |
| :--- | :--- |
| Operating Temperature: | $-5 \ldots .+40^{\circ} \mathrm{C}$ |
| Operating Humidity: | $45 . . .85 \% \mathrm{RH}$ |
| Pollution Degree: | 3 |
| Installation Degree: | IIII |
| Degree of Protection: | IP65 |
| Rated Operating Current: | $\leq 80 \mathrm{~mA}$ |
| Electrical Life: | $\geq 30000$ hours |
| Brightness: | $\geq 60$ |



| LeD Lamps |  |  |  |
| :---: | :---: | :---: | :---: |
| Colour | 24V AC | 230V | 110V |
| Colour | Part No. | Part No. | Part No. |
| Blue | AD56DS-B-24 | AD56DS-B-220 | AD56DS-B-110 |
| Green | AD56DS-G-24 | AD56DS-G-220 | AD56DS-G-110 |
| Red | AD56DS-R-24 | AD56DS-R-220 | AD56DS-R-110 |
| White | AD56DS-W-24 | AD56DS-W-220 | AD56DS-W-110 |
| Yellow | AD56DS-Y-24 | AD56DS-Y-220 | AD56DS-Y-110 |


| LED Test -amps |  |  |  |
| :---: | :---: | :---: | :---: |
| Colour | 24V AC | 230V | 110V |
| Colour | Part No. | Part No. | Part No. |
| Blue | AD56LT-B-24 | AD56LT-B-220 | AD56LT-B-110 |
| Green | AD56LT-G-24 | AD56LT-G-220 | AD56LT-G-110 |
| Red | AD56LT-R-24 | AD56LT-R-220 | AD56LT-R-110 |
| White | AD56LT-W-24 | AD56LT-W-220 | AD56LT-W-110 |
| Yellow | AD56LT-Y-24 | AD56LT-Y-220 | AD56LT-Y-110 |

## Pushbuttons \& Pilot Lights

03 Series - IP40
Pushbuttons and illuminated pushbuttons with a bezel size of $24 \times 48 \mathrm{~mm}$.

| Pushbution \& Pllot Lights - IP40 |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  |  |  | Non-illuminated | Illuminated |
| Type | Switching Action | Contacts | Part No. | Part No. |
| Pushbutton | Momentary action | 1 CO | 03-611.011 | 03-616.011 |
|  |  | 2 CO | 03-612.011 | 03-617.011 |
|  | Maintained action | 1 CO | 03-613.011 | 03-618.011 |
|  |  | 2 CO | 03-614.011 | 03-619.011 |
| Indicator pilot light |  |  |  | 03-021.001 |


| Accessories |  |  |
| :---: | :---: | :---: |
| Type | Colour | Part No. |
| One-Part lens | Blue | 03-901.6 |
|  | Green | 03-901.5 |
|  | Orange | 03-901.3 |
|  | Red | 03-901.2 |
|  | White | 03-901.9 |
|  | Yellow | 03-901.4 |
|  | Black/opaque | 03-901.0 |
| LED lamps <br> 24V AC/DC | Green | 10-2K12.1075 |
|  | Red | 10-2K12.1072 |
|  | Yellow | 10-2K12.1074 |
|  | Blue | 10-2K12.1076 |
|  | White | 10-2K12.1079 |
| Front bezel flat | Black | 03-965.0 |
| Protective cover | Transparent | 03-925 |
| Spray proof cover |  | 03-924 |

04 Series - IP65
A modular switching system for 22.5 mm mounting holes.

| Pushbution |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Type | Characteristic |  | $\begin{gathered} \text { Size } \\ (\varnothing \mathrm{mm}) \end{gathered}$ | Front Ring / Bezel | Part No. |  |
| Pushbutton actuator | Momentary action |  | 22.5 | Aluminium | 704.012. | $\square$ |
|  |  |  | Black plastic | 704.009. | $\square$ |
|  |  |  | Grey plastic | 704.010. | $\square$ |
|  |  |  | Aluminium | 704.032. | $\square$ |
| Illuminated pushbutton |  |  | Black plastic | 704.029. | $\square$ |
|  |  |  | Grey plastic | 704.030. | $\square$ |
| Emergency stop - twist release IEC60947.5 | Maintained action |  |  | 40 mm |  | 704.064.2 |  |
|  |  |  | Plastic |  | 704.075.2 |  |
| Selector Switches - PP65 |  |  |  |  |  |  |
|  | No. of Position |  |  |  | minium |  |  |
| Type |  | Action |  |  | No. |  |  |
| Short handle | 2 | Maintained |  |  | 411.0 |  |  |
|  | 3 | Maintained |  |  | 403.0 |  |  |
|  |  | Spring return | n 704 | 405.0 |  |  |
| Long handle | 2 | Maintained |  | 101.0 |  |  |
|  | 3 | Maintained |  | 093.0 |  |  |
|  |  | Spring return | n 704 | 095.0 |  |  |

Selector Switches - IP65


PUSHBUTTONS \& PILOT LIGHTS

EF5
GAP

## Pushbuttons \& Pilot Lights



| Key Switches |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  | Aluminium | Plastic |
| Type | No. of Positions |  | Action | Key <br> Removal | Part No. | Part No. |
| Key operated |  | 'V' | Maintained | II | 704.120.0 | 704.340.0 |
|  | 2 | 'V' | Maintained | I | 704.121 .0 | 704.341 .0 |
|  |  | V' | Maintained | I - \|| | 704.122.0 | 704.342 .0 |
|  |  | V | Maintained | 0 | 704.114.0 | 704.344.0 |
|  | 3 | " | Maintained | I-II | 704.116.0 |  |
|  |  | (V)" | Spring return | 0 | 704.115.0 | 704.345 .0 |


| Contact Block |  |  |  |
| :--- | :---: | :---: | :--- |
| Type | NO | NC | Part No. |
| Snap action | - | 1 | $\mathbf{7 0 4 . 9 0 0 . 2}$ |
|  | 1 | 1 | $\mathbf{7 0 4 . 9 0 0 . 5}$ |
|  | 1 | - | $\mathbf{7 0 4 . 9 0 0 . 1}$ |
|  | - | 2 | $\mathbf{7 0 4 . 9 0 0 . 4}$ |
| Slow make | 2 | - | $\mathbf{7 0 4 . 9 0 0 . 3}$ |
| (use with emergency stop) | - | 1 | $\mathbf{7 0 4 . 9 1 0 . 2}$ |


| AgCOSSOrís |  |  |
| :--- | :--- | :--- |
| Type | Characteristic | Part No. |
| Protective cover for pushbuttons |  | $\mathbf{7 0 4 . 9 2 5 . 0}$ |
| Protective front ring | Aluminium anodised with transparent <br> silicone membrane | $\mathbf{7 0 4 . 6 0 0 . 3}$ |


| PHot Lights |  |  |  |
| :--- | :--- | :--- | :--- |
| Type | Characteristic | Part No. |  |
| Full face illumination | Grey plastic | $\mathbf{7 0 4 . 0 0 0}$ | $\square$ |
| Front illumination | Black plastic | $\mathbf{7 0 4 . 0 0 6}$ | $\square$ |
|  | Grey plastic | $\mathbf{7 0 4 . 0 0 2}$. | $\square$ |


| Accessorics |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| Type | Socket | Characteristic |  | Part No. |
| Lamp transformer units |  | 115/24V AC |  | 704.970 .3 |
|  |  | 230/24V AC |  | 704.970 .4 |
| Flasher element |  | 24V DC |  | 704.943 .5 |
| Filament lamp Ba9 | Ba9s | 6 V AC/DC/200mA |  | 10-1406.1369 |
|  |  | 12 V AC/DC/100mA |  | 10-1406.1329 |
|  |  | 24 V AC/DC/50mA |  | 10-1412.1279 |
|  |  | 110 V AC/DC/22mA |  | 10-1422.1179 |
|  |  | 130 V AC/DC/20mA |  | 10-1424.1179 |
| Single LED | Ba9s | 24V AC/DC | Red | 10-2512.1142 |
|  |  |  | Yellow | 10-2512.1144 |
|  |  |  | Green | 10-2512.1145 |
|  |  |  | Blue | 10-2512.1146 |
|  |  |  | White | 10-2512.1149 |


| $\square$ Part No. Completion |  |
| :--- | :--- |
| When ordering complete the |  |
| Part No. by adding the following:- |  |
| Pushbuttons |  |
| Colour | Code |
| Red | 2 |
| Green | 5 |
| Yellow | 4 |
| Blue | 6 |
| Clear | 7 |

Other voltage LEDs available on request.

Nestern Automation

## 04 Series Flush Mount

A modular switching system for 30.5 mm mounting holes. IP65 Sealed.

| Pushbutton |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Type | Characteristic |  | Front Ring / Bezel | Part No. |  |
| Pushbutton actuator | Momentary action |  | Aluminium | 704.012. | $\square 18$ |
|  | Maintained action |  | Aluminium | 704.042. | $\square 18$ |
| Illuminated pushbutton | Momentary action |  | Aluminium | 704.032. | $\square 18$ |
|  | Maintained action |  | Aluminium | 704.062. | $\square 18$ |
| Selector Switches |  |  |  |  |  |
| Type $\quad \begin{gathered}\text { N }\end{gathered}$ | No. of Position | Action | Front Ring / Bezel | Part No. |  |
| Short handle | V' | Maintained | Aluminium | 704.411.018 |  |
|  | V' | Maintained | Aluminium | 704.403.018 |  |


| Contact Blocks |  |  |
| :--- | :--- | :--- |
| NO | NC | Part No. |
| 1 | 0 | 704.900 .1 |
| 0 | 1 | 704.900 .2 |
| 2 | 0 | 704.900 .3 |
| 0 | 2 | 704.900 .4 |
| 1 | 1 | $\mathbf{7 0 4 . 9 0 0 . 5}$ |

## 61 Series Flush Mount

Flush mount switches 250V AC, 5A switches IP65 sealed

| \|lluminated Pushouttons |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| Bezel Shape | Actuator Function | Terminal | Size (mm) | Part No. |
| Square | Momentary | Solder | $24 \times 24$ | 61-1100.0 |
|  | Maintained |  |  | 61-1200.0 |
| Rectangle | Indicator |  | $24 \times 30$ | 61-0000.02 |
| Front Bezel-Set |  |  |  |  |
| Bezel Shape | Matrerial |  | Size (mm) | Part No. |
| Round | Aluminium |  | 22.5 | 61-9933.0 |
|  | Black plastic |  | 22.5 | 61-9933.10 |
| Square |  |  | $24 \times 24$ | 61-9930.0 |
| Rectangular |  |  | $24 \times 30$ | 61-9931.0 |
| Lens Illuminative |  |  |  |  |
| Bezel Shape | Colour |  | Size (mm) | Part No. |
| Round | Red |  | 19.7 | 61-9642.2 |
|  | Yellow |  | 19.7 | 61-9642.4 |
|  | Green |  | 19.7 | 61-9642.5 |
| Square | Red |  | 18x18 | 61-9671.2 |
|  | Yellow |  | $18 \times 18$ | 61-9671.4 |
|  | Green |  | $18 \times 18$ | 61-9671.5 |
| Rectangular | Red |  | 18x24 | 61-9681.2 |
|  | Yellow |  | 18x24 | 61-9681.4 |
|  | Green |  | 18x24 | 61-9681.5 |

[^0]| $\square$ Part No. Completion |  |
| :--- | :--- |
| When ordering complete the |  |
| Part No. by adding the following:- |  |
| Pushbuttons |  |
| Colour | Code |
| Red | 2 |
| Green | 5 |
| Yellow | 4 |
| Blue | 6 |
| Clear | 7 |



Series 61 Flush Mount
Lens
Actuator
Flush Bezel
Contact Block
Series 61 Raised
Lens
Actuator
Contact Block

Pushbuttons \& Pilot Lights
eaon


Lens (Raised Mounting)

| Shape | Actuator Function | Size (mm) | Part No. |
| :---: | :---: | :---: | :---: |
| Round | Momentary | 18 | 61-1110.0 |
|  | Maintained |  | 61-1210.0 |
|  | Indicator |  | 61-0010.02 |
| Square | Momentary | 18x18 | 61-1120.0 |
|  | Maintained |  | 61-1220.0 |
|  | Indicator |  | 61-0020.02 |
| Rectangle | Momentary | $18 \times 24$ | 61-1130.0 |
|  | Maintained |  | 61-1230.0 |
|  | Indicator |  | 61-0030.02 |
| Round | Emergency stop (with arrows) Twist release | 27 | 61-3440.4/1 |
|  | Emergency stop (marked STOP) EN418 Twist release |  | 61-3440.4/2 |
| Lens (Raised Mounting) |  |  |  |
| Lens Shape | Colour Lens Size (Approx) mm |  | Part No. |
| Round | Red 15.8 |  | 61-9311.2 |
|  | Yellow 15.8 |  | 61-9311.4 |
|  | Green 15.8 |  | 61-9311.5 |
| Square | Red $\quad 15.3 \times 15.3$ |  | 61-9321.2 |
|  | Yellow $15.3 \times 15.3$ |  | 61-9321.4 |
|  | Green $\quad 15.3 \times 15.3$ |  | 61-9321.5 |
| Rectangle | Red $21.5 \times 15.3$ |  | 61-9331.2 |
|  | Yellow $21.5 \times 15.3$ |  | 61-9331.4 |
|  | Green $21.5 \times 15.3$ |  | 61-9331.5 |


| Contact Block Serías 61 |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Type | Contact |  | Illuminated | Mounting | Part No. |
|  | NO | NC |  |  |  |
| Snap action gold | 1 | 0 | Yes | Plug-In 2.8 mm | 61-8410.22 |
|  | 2 | 0 | Yes | Plug-In 2.8 mm | 61-8420.22 |
|  | 1 | 1 | Yes | Plug-In 2.8 mm | 61-8470.22 |
| Snap action silver | 1 | 0 | Yes | Plug-In 2.8 mm | 61-8410.12 |
|  | 2 | 0 | Yes | Plug-In 2.8 mm | 61-8420.12 |
|  | 1 | 1 | Yes | Plug-In 2.8 mm | 61-8470.12 |
| Slow make silver | 1 | 0 | Yes | Screw Terminal | 61-8610.11 |
|  | 2 | 0 | No | Screw Terminal | 61-8625.11 |
|  | 1 | 1 | No | Screw Terminal | 61-8675.11 |
| Emergency Stop Contact Block |  |  |  |  |  |
| Slow make silver | 0 | 1 |  | Solder 2.8 mm | 61-8745.17 |
|  | 1 | 1 |  | Solder 2.8 mm | 61-8755.17 |
|  | 0 | 1 |  | Screw Terminal | 61-8745.11 |
|  | 1 | 1 |  | Screw Terminal | 61-8775.11 |


| Lamps / LEDS |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| Function | Voltage / Current | Colour | Base Style | Part No. |
| Lamp | 14V/80mA | White | T13/4 | 10-1310.1319 |
|  | 28V/40mA | White | T13/4 | 10-1313.1249 |
| Single LED | 24V AC/DC | Red | T13/4 | 10-2J12.1062 |
|  |  | Yellow | T13/4 | 10-2J12.1064 |
|  |  | Green | T13/4 | 10-2J12.1065 |
|  |  | White | T13/4 | 10-2J12.3139 |


| ACCOSSOrías |  |
| :--- | :--- |
| Description | Part No. |
| Emergency stop label | $\mathbf{6 1 - 9 9 7 0 . 2}$ |
| Lens remover for raised switches | $\mathbf{0 2 - 9 0 5}$ |
| Lens remover for flush switches | $\mathbf{6 1 - 9 7 3 0 . 0}$ |
| Lamp / LED remover | $\mathbf{6 1 - 9 7 4 0 . 0}$ |
| Contact block removal tool | $\mathbf{6 1 - 9 7 1 1 . 0}$ |


| Complete Switch consists of |
| :--- |
| Series 61 Flush Mount |
| Lens |
| Actuator |
| Flush Bezel |
| Contact Block |
| Series 61 Raised |
| Lens |
| Actuator |
| Contact Block |

61 Series - Raised
Raised switches 16 mm mounted 250V AC, 5A switches IP65 sealed.
IIliminated Pushbuttons / Emergency Stop

Order Button/Bezel/Lens/Lamp for complete unit.

8 Contact your local sales office for additional products from this range. $\begin{aligned} & \text { Terms of Business' applies, a copy of which is avaiable on request: EEOE- Atthuouht we strive to keep this document } \\ & \text { as acurate as possible, we cannot be held responsible for any errors and omissions. }\end{aligned}$
EIE

61 Series - Emergency Stop
Twist release, 16 mm mounted, $50 \mathrm{~V}, 0.2 \mathrm{~A}$, IP69K and IP67 Sealed.
Emergency Stop - Approved to EN60947-5-5 and ISO 13850.

| 61 Serias - Emergency Stop |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Head Size | No. of Contacts | Mounting Depth | Connection Method | $\begin{aligned} & \text { Illuminated } \\ & 6-32 V \text { DC } \end{aligned}$ | Part No. |
| 27 mm | 1 NC | 21.2 mm | Plug-in/solder | No | 61-6441.4047 |
| 27 mm | 2 NC | 21.2 mm | Plug-in/solder | No | 61-6441.4057 |
| 27 mm | 3 NC | 21.2 mm | Plug-in/solder | No | 61-6441.4067 |
| 27 mm | 1 NO/1 NC | 21.2 mm | Plug-in/solder | No | 61-6441.4077 |
| 27 mm | 2 NC / 1 NO | 21.2 mm | Plug-in/solder | No | 61-6441.4087 |
| 27 mm | 1 NC / 2 NO | 21.2 mm | Plug-in/solder | No | 61-6441.4097 |
| 27 mm | 1 NC | 21.2 mm | Plug-in/solder | Red LED | 61-6451.4247 |
| 27 mm | 2 NC | 21.2 mm | Plug-in/solder | Red LED | 61-6451.4257 |
| 27 mm | 1 NC / 1 NO | 21.2 mm | Plug-in/solder | Red LED | 61-6451.4277 |
| 40 mm | 1 NC | 21.2 mm | Plug-in/solder | No | 61-6461.4047 |
| 40 mm | 2 NC | 21.2 mm | Plug-in/solder | No | 61-6461.4057 |
| 40 mm | 3 NC | 21.2 mm | Plug-in/solder | No | 61-6461.4067 |
| 40 mm | 1 NO / 1 NC | 21.2 mm | Plug-in/solder | No | 61-6461.4077 |
| 40 mm | 2 NC / 1 NO | 21.2 mm | Plug-in/solder | No | 61-6461.4087 |
| 40 mm | 1 NC / 2 NO | 21.2 mm | Plug-in/solder | No | 61-6461.4097 |

## 84 Series - Emergency Stop

Twist release, 22.3 mm mounted, 250 V AC 3A, IP65 Sealed.
Emergency Stop - Non Illuminated - Approved to EN60947-5-5 and ISO 13850.

| 84 Serics - Emergency Stop |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Actuation Status Ring | No. of Contacts | Mounting Depth | Connection Method | Illuminated | Part No. |
| Green | 1 N0 | 18mm | Plug-in/solder | No | 84-5121.0020 |
| Green | 1 N0 / 1NC | 18 mm | Plug-in/solder | No | 84-5131.0020 |
| Green | 2 NO | 18 mm | Plug-in/solder | No | 84-5141.0020 |
| Black | 1 N0 | 18 mm | Plug-in/solder | No | 84-5020.0020 |
| Black | 1 NO / 1NC | 18 mm | Plug-in/solder | No | 84-5030.0020 |
| Black | 2 N0 | 18 mm | Plug-in/solder | No | 84-5040.0020 |
| Green | 1 N0 | 13 mm | Flying Lead | No | 84-5120.0040 |
| Green | 1 NO / 1NC | 13 mm | Flying Lead | No | 84-5130.0040 |
| Green | 2 N0 | 13 mm | Flying Lead | No | 84-5140.0040 |
| Black | 1 N0 | 13mm | Flying Lead | No | 84-5020.0040 |
| Black | 1 NO / 1NC | 13 mm | Flying Lead | No | 84-5030.0040 |
| Black | 2 N0 | 13 mm | Flying Lead | No | 84-5040.0040 |

84 Series - Emergency Stop Illuminated

| Actuation Status Ring | No. of Contacts | Mounting Depth | Connection Method | Illuminated | Part No. |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Green | 1 N0 | 18mm | Plug-in/solder | Red LED | 84-5121.2B20 |
| Green | 1 N0 / 1NC | 18 mm | Plug-in/solder | Red LED | 84-5131.2B20 |
| Green | 2 N0 | 18 mm | Plug-in/solder | Red LED | 84-5141.2B20 |
| Black | 1 N0 | 18 mm | Plug-in/solder | Red LED | 84-5021.2B20 |
| Black | 1 NO / 1NC | 18 mm | Plug-in/solder | Red LED | 84-5031.2B20 |
| Black | 2 N0 | 18 mm | Plug-in/solder | Red LED | 84-5041.2B20 |
| Green | 1 N0 | 13 mm | Flying Lead | Red LED | 84-5121.2B40 |
| Green | 1 NO / 1NC | 13 mm | Flying Lead | Red LED | 84-5131.2B40 |
| Green | 2 N0 | 13 mm | Flying Lead | Red LED | 84-5141.2B40 |
| Black | 1 N0 | 13 mm | Flying Lead | Red LED | 84-5021.2B40 |
| Black | 1 N0 / 1NC | 13mm | Flying Lead | Red LED | 84-5031.2B40 |
| Black | 2 NO | 13 mm | Flying Lead | Red LED | 84-5041.2B40 |



## Pushbuttons \& Pilot Lights

## Мовивя (a)



When ordering complete the Part No. by adding the following:-


RMQ Titan Series

| Pushbuttons |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| Type | Charact |  | Part No. |  |
| Flush cap | Spring return |  | M22-D- | $\square$ |
|  | Maintain |  | M22-DR- | $\square$ |
| Raised cap | Spring return |  | M22-DH- | $\square$ |
|  | Maintained With indicator |  | M22-DRH- | $\square$ |
| Double function |  |  | M22-DDL-GR-X1/X0 |  |
| Mushroom | Spring return |  | M22-DP-R/ |  |
| Selector Switches |  |  |  |  |
| Type | No. of Positio | Action | Part No. |  |
| Short handle | 2 | Maintained | M22-wKv |  |
|  | 3 | Maintained | M22-WRK3 |  |
| Set of coding adaptors for converting between maintained and spring return function. |  |  | M22-XC-Y |  |


| Key Switches | No. of <br> Position | Action | Key <br> Removal | Part No. |
| :--- | :---: | :---: | :---: | :---: | :---: |
| Type | 2 | Maintained | 0-I | M22-WRS |
| Key operated | 3 | Maintained | I-0-I! | M22-WRS3 |
| Set of coding adaptors for converting between maintained and spring <br> return function. | M22-XC-Y |  |  |  |
| Set of coding adaptors for converting key withdrawability | M22-XC-R |  |  |  |


| Indicator Lights |  |  |
| :--- | :--- | :---: |
| Type | Part No. |  |
| Flush | M22-L- | $\square$ |
| Extended | M22-LH- | $\square$ |


| \|luminatied Pushbutions |  |  |  |
| :--- | :--- | :--- | :--- |
| Type | Charactoristic | Part No. |  |
| Flush cap | Spring return | M22-DL- | $\square$ |
|  | Maintained | M22-DRL- | $\square$ |


| Fxing Adaptors |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| Type | No. of Position |  |  | Part No. |
|  |  | NO | NC |  |
| Fixing adaptor | Front |  |  | M22-A |
| Contact elements | Front | 1 | 0 | M22-K10 |
|  |  | 0 | 1 | M22-K01 |
|  | Base | 1 | 0 | M22-KC10 |
|  |  | 0 | 1 | M22-KC01 |


| LED Elements |  |  |  |
| :--- | :--- | :--- | :--- |
| Rating | Fixing | Part No. |  |
| $18-30 \mathrm{~V}$ AC/DC | Front | M22-LED- | $\square$ |
|  | Base | M22-LEDC- | $\square$ |
| $85-264 \mathrm{CAC} / \mathrm{DC}$ | Front | M22-LED230- | $\square$ |
|  | Base | M22-LEDC230- | $\square$ |


| AcCeSsories |  |
| :--- | :--- |
| Type | Part No. |
| Blanking plug | M22-B |
| Diaphragms transparent | M22-T-D |
| Adaptor ring set 30/22.5mm | M22S-R30 |
| Combination box spanner | M22-MS |


| Legend Plates \& Legends |  |  |
| :---: | :---: | :---: |
| Type | Charactoristic | Part No. |
| Legend plate without holders, insert plates for label mounts | 30 mm wide | M22S-ST-X |
|  |  | M22S-XST |
| Complete legend plates Std. $30 \times 50 \mathrm{~mm}$ with $18 \times 27 \mathrm{~mm}$ legends | 01 | M22S-ST-X89 |
|  | 10 \|| | M22S-ST-X93 |
|  | STOP | M22S-ST-GB0 |
|  | START | M22S-ST-GB1 |
|  | OFF | M22S-ST-GB5 |
|  | ON | M22S-ST-GB6 |
|  | FAULT | M22S-ST-D8 |
|  | RUN | M22S-ST-GB7 |
|  | HAND AUTO | M22S-ST-D11 |
|  | MAN. AUTO | M22S-ST-GB11 |
|  | OFF ON | M22S-ST-GB10 |
|  | HAND 0 AUTO | M22S-ST-D12 |
|  | MAN. O AUTO | M22S-ST-GB12 |
| Emergency legend plates | $\emptyset 90 \mathrm{~mm}$ | M22-XAK1 |
|  | $\emptyset 60 \mathrm{~mm}$ | M22-XBK1 |


| Emergency-Stop | Actuators |  |
| :--- | :--- | :--- |
| Mounting | Characteristic | Part No. |
| Surface | Complete unit | M22-PV/KC11/IY |
| Front pull to release | Non-illuminated | M22-PV |
|  | Illuminated | M22-PVL |
|  | Key | M22-PVS |
| Front twist to release | Non-illuminated | M22-PVT |
|  | Illuminated | M22-PVLT |


| Pushbuiton Enclosuras - |  |
| :--- | :--- |
| Type 66 | Part No. |
| 1 Gang | M22-I1 |
| 2 Gang | M22-I2 |
| 1 Gang for emergency-stop activators | M22-IY1 |



An Eaton Brand



## Pushbuttons \& Pilot Lights

Schneider


Harmony XB4 Series - Metal

| Pushbuttons (Heads Only) |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| Type |  | Charactoristic | Part No. |  |
| Flush cap |  | Choice of 6 colours | ZB4 BA $\quad \square$ |  |
|  |  | Green push with "I" marking | ZB4 BA331 |  |
|  |  | Green push with "START" marking | ZB4 BA333 |  |
|  |  | Red push with "0" marking | ZB4 BA432 |  |
|  |  | Red push with "STOP" marking | ZB4 BA434 |  |
|  | Transparent cap for insertion of legend | Choice of 6 colours | ZB4 BA $\quad \square$ | 8 |
|  | High bezel | Choice of 6 colours | ZB4 BA $\quad \square$ | 4 |
| Raised cap |  | Choice of 6 colours | ZB4 BL $\quad \square$ |  |
|  |  | Red push with "0" marking | ZB4 BL434 |  |
|  |  | Red push with "STOP" marking | ZB4 BL432 |  |
| Double function | 2 Flush | Green push with "l" marking / Red push with " 0 " marking | ZB4 BA7341 |  |
|  | 1 Flush 1 Raised | Green push with "l" marking / Red push with " 0 " marking | ZB4 BL7341 |  |
|  | 2 Flush 1 Clear central pilot light ${ }^{(1)}$ | Green push with "I" marking / Red push with " 0 " marking | ZB4 BW7A3741 |  |
|  | 1 Flush 1 Raised 1 Clear central pilot light ${ }^{\text {(1) }}$ | Green push with "I" marking / Red push with " 0 " marking | ZB4 BW7L3741 |  |
|  | 2 Flush 1 Raised red push marked "STOP" | White push with " $\uparrow$ " marking / Black push with "Л了" marking | ZB4 BA71124 |  |
| Mushroom head spring return | 30 mm | Green | ZB4 BC34 |  |
|  | 40 mm | Green | ZB4 BC3 |  |
|  | 60 mm | Green | ZB4 BR3 |  |
| Mushroom head latching | 40 mm Push-pull | Black | ZB4 BT2 |  |
|  | 60 mm Push-pull | Black | ZB4 BX2 |  |
|  | 30 mm Turn to release | Black | ZB4 BS42 |  |
|  | 40 mm Turn to release | Yellow | ZB4 BS55 |  |
|  | 60 mm Turn to release | Black | ZB4 BS62 |  |
|  | 30 mm Key release ${ }^{(2)}$ | Black | ZB4 BS72 |  |
|  | 40 mm Key release ${ }^{(2)}$ | Black | ZB4 BS12 |  |
|  | 60 mm Key release ${ }^{(2)}$ | Black | ZB4 BS22 |  |
| Emergency stop and emergency switching off Red mushroom head, Mechanical latching | 40 mm Push-pull |  | ZB4 BT84 |  |
|  | 60 mm Push-pull |  | ZB4 BX84 |  |
|  | 30mm Turn to release |  | ZB4 BS834 |  |
|  | 40mm Turn to release |  | ZB4 BS844 |  |
|  | 60 mm Turn to release |  | ZB4 BS864 |  |
|  | 30 mm Key release ${ }^{(2)}$ |  | ZB4 BS934 |  |
|  | 40 mm Key release ${ }^{(2)}$ |  | ZB4 BS944 |  |
|  | 60 mm Key release ${ }^{(2)}$ |  | ZB4 BS964 |  |
| Emergency switching off, illuminated, Red mushroom head, Mechanical latching | 40 mm Push-pull ${ }^{(1)}$ | Illuminated | ZB4 BW643 |  |

(1) Only for use with bodies comprising a light source with integral LED.
(2) For specific keys with other numbers, please consult your local sales office.

Harmony ZB4 Series - Metal

| Selector Switches |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| Type | No. of Position | Action | Padlockable Position | Part No. |
| Short handle | 2 | V' Maintained |  | ZB4 BD2 |
|  |  | $\downarrow$ Spring return |  | ZB4 BD4 |
|  | 3 | V'V Maintained |  | ZB4 BD3 |
|  |  | (1)" Spring return |  | ZB4 BD5 |
| Long handle | 2 | V' Maintained |  | ZB4 BJ2 |
|  |  | $\downarrow$ Spring return |  | ZB4 BJ4 |
|  | 3 | V $\downarrow$ " Maintained |  | ZB4 BJ3 |
|  |  | (し) Spring return |  | ZB4 BJ5 |
| Long handle padlockable | 2 | V Maintained | \| - || | ZB4 BJ294 |
|  |  | Spring return | 1 | ZB4 BJ491 |
|  | 3 | ( $\downarrow$ " Maintained | 1 | ZB4 BJ391 |
|  |  | L' Maintained | II | ZB4 BJ392 |
|  |  | (i) Spring return | 0 | ZB4 BJ593 |


| Key Switches |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Type | No. of Position |  | Action | Key Removal | Part No. |
| Key operated with key No. 455 (1) | 2 | V' | Maintained | 1-\|| | ZB4 BG4 |
|  |  | V' | Spring return | 1 | ZB4 BG6 |
|  | 3 | V' | Maintained | I-II-0 | ZB4 BG0 |
|  |  | V' | Spring return | 0 | ZB4 BG7 |

## Body Fixing Collar



## Schneider Electric



## Pushbuttons \& Pilot Lights

Schneider 2 Electric

$\square$ Part No. Completion When ordering complete the When ordering complete the
Part No. by adding the following:-

|  | Colour | Code |
| :---: | :---: | :---: |
|  | White | 1 |
|  | Black | 2 |
|  | Green | 3 |
|  | Red | 4 |
|  | Yellow | 5 |
|  | Blue | 6 |

Harmony ZB5 Series - Plastic

| Pushbutions (Heads Only) |  |  |  |  |  |
| :--- | :--- | :--- | :--- | :--- | :--- |
| Type | Characteristic | Part No. |  |  |  |
|  |  | Choice of 6 colours | ZB5 AA | $\square$ |  |

(1) Only for use with bodies comprising a light source with integral LED.
(2) For specific keys with other numbers, please consult your local sales office.

## Bellows for Harsh Environments (IP69)

| Type | Material |  | Part No. |
| :--- | :--- | :--- | :--- |
| ZB4 BT4... ZB4 BW643 | Silicone | Red | ZBZ 48 |
| \& ZB5 AT844... ZB5 AS964 | EPDM | Black | ZBZ 28 |
|  |  | Yellow | ZBZ 58 |


| Scelector Switches |  |  |  |  |  |
| :--- | :--- | :--- | :--- | :--- | :--- |
| Type | No. of <br> Position |  | Action | Padlockable <br> Position | Part No. |
| Short Handle |  |  | ZB5 AD2 |  |  |




Pushbuttons \& Pilot Lights

## Schneider 2 Electric

Accessories for Harmony Series XB4 \& XB5

| Light Blocks |  |  |  |
| :--- | :--- | :--- | :--- |
| Type | Charactoristic | Part No. |  |
| Integral LED | 12V AC/DC | ZBV J | $\square$ |
| Screw clamp | 24V AC/DC | ZBV B | $\square$ |
| Terminal connections | 230/240V AC | ZBV G | $\square$ |
|  | 230/240V AC | ZBV M | $\square$ |


| Lengend Plates \& Legends |  |  |
| :---: | :---: | :---: |
| Type | Charactoristic | Part No. |
| Legend holders, Std. $30 \times 40 \mathrm{~mm}$ | Without Legend | ZBZ 32 |
| Legend holders, Std. $30 \times 40 \mathrm{~mm}$ | With Blank Black or Red Legend | ZBY 2101 |
|  | With Blank White or Yellow Legend | ZBY 4101 |
|  | 0 | ZBY 2146 |
|  | I | ZBY 2147 |
|  | 11 | ZBY 2148 |
|  | 0-I | ZBY 2178 |
|  | 1-11 | ZBY 2179 |
|  | 1-0-11 | ZBY 2186 |
|  | AUTO | ZBY 2115 |
|  | CLOSE | ZBY 2314 |
|  | DOWN | ZBY 2308 |
|  | FAST | ZBY 2328 |
|  | FORWARD | ZBY 2305 |
|  | HAND | ZBY 2316 |
|  | INCH | ZBY 2321 |
| With $8 \times 24 \mathrm{~mm}$ legends (Black background) | LEFT | ZBY 2310 |
|  | OFF - ON | ZBY 2367 |
|  | ON | ZBY 2311 |
|  | OPEN | ZBY 2313 |
|  | POWER ON | ZBY 2326 |
|  | REVERSE | ZBY 2306 |
|  | RIGHT | ZBY 2309 |
|  | RUN | ZBY 2334 |
|  | SLOW | ZBY 2327 |
|  | START | ZBY 2303 |
|  | UP | ZBY 2307 |
|  | EMERGENCY STOP | ZBY 2330 |
|  | 0 | ZBY 2931 |
|  | OFF | ZBY 2312 |
|  | STOP | ZBY 2304 |
| Transparent cap legends (sheets of 66 circular) | 0 | ZBY 1146 |
|  | 1 | ZBY 1147 |
| Emergency legend plates (Circular) Yellow background | 60 mm dia. Blank | ZBY 9101 |
|  | 90mm dia. Blank | ZBY 8101 |
|  | 60 mm dia. EMERGENCY STOP | ZBY 9320 |
|  | 90 mm dia. EMERGENCY STOP | ZBY 8330 |


| Ancillaries |  |
| :--- | :--- |
| Type | Part No. |
| Blanking hole plug | ZB5 SZ3 |


| Harmony Control Station |  |  |
| :---: | :---: | :---: |
| Type | Charactoristic | Part No. |
| Complete | "I" / "0" (Green/Red) - N0+NC station | XALD213 |
|  | 2 button "UP" / "DOWN" | XALD222 |
|  | "UP" / "0" / "DOWN" - NO+NC+NO station | XALD324 |
|  | Turn to release E-Stop 2 NC | XALK178F |
|  | Key operated E-Stop 2 NC | XALK188F |
| Empty enclosure for ZB5 | 1 Hole empty control station | XALD01 |
|  | 2 Hole empty control station | XALD02 |
|  | 3 Hole empty control station | XALD03 |
|  | 1 Hole empty E-Stop station | XALK01 |
| Single contact block | Head $\emptyset 22$ 1NO screw clamp terminal | ZENL1111 |
|  | Head $\emptyset 22$ 1NC screw clamp terminal | ZENL1121 |


| Part No. Completion When ordering complete the Part No. by adding the following:- |  |  |
| :---: | :---: | :---: |
|  | Colour | Code |
|  | White | 1 |
|  | Green | 3 |
|  | Red | 4 |
|  | Yellow | 5 |
|  | Blue | 6 |

Harmony 22mm Biometric Switch

| Type | Description | Part No. |
| :--- | :--- | :--- |
|  | 24 V 2 m | XB5S1B2L2 |
|  | 24 V M12 | XB5S1B2M12 |
| PNP Monostable biometric switch | 24 V 2 m | XB5S2B2L2 |
|  | 24 V M1 | XB5S2B2M12 |

## XAC Series Pendant Control Stations

The XAC-A pendant control stations are designed for mechanical handling of hoists and travelling cranes and similar applications.

The IP65 polypropylene casings are available from 2 way to 12 way and can accommodate a variety of actuators.


| Accessories |  |
| :--- | :--- |
| Description | Part No. |
| Blanking plug with seal and lock nut | ZB2 SZ3 |
| Mechanical interlock for 2 pushbuttons | XAC A009 |

Pilot Lights

| Type | Characteristic | Part No. |  |  |
| :--- | :--- | :--- | :--- | :--- |
| Pilot light heads | For use with incandescent bulb | ZA2 BV0 | $\square$ |  |
|  | For use with neon bulb | ZA2 BV0 | $\square$ | 3 |
| Pilot light body | Direct supply 400V | ZA2 BV006 |  |  |
|  | Through resistor 230V | ZA2 BV007 |  |  |


| Contact Blocks |  |  |  |
| :--- | :--- | :--- | :--- |
| NO | NC | Charactoristic | Part No. |
| 1 | - | Front mounting | ZB2 BE101 |
| - | 1 | Front mounting | ZB2 BE102 |
| 2 | 1 Staggered | Front mounting | XEN G1191 |
| 1 | - | Base mounting | XAC S101 |
| - | 1 | Base mounting | XAC S102 |
| 2 | - | Base mounting | XAC S103 |
| - | 2 | Base mounting | XAC S104 |
| 1 | 1 | Base mounting | XAC S105 |

$\square$ Part No. Completion When ordering complete the Part No. by adding the following:-


Pushbuttons \& Pilot Lights

SIEMENS


SIRIUS ACT

| Pushbuttons |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| Type | Characteristic |  | Plastic | Metal |
| Pushbutton with flat button | Black |  |  |  |
|  | Red |  | 3SU10000AB200AAO | 3SU10500AB200AAO |
|  | Yellow |  | 3SU10000AB300AA0 | 3SU10500AB300AAO |
|  | Green |  | 3SU10000AB400AAO | 3SU10500AB400AAO |
|  | Blue |  | 3SU10000AB500AAO | 3SU10500AB500AAO |
|  | White |  | 3SU10000AB600AAO | 3SU10500AB600AAO |
| Emergency stop mushroom | Red |  | 3SU10001HB200AAO | 3SU10501HB200AAO |
| \|lluminated Pushbuttons |  |  |  |  |
| Illuminated with flat button | Red |  | 3SU10010AB200AA0 |  |
|  | Yellow |  | 3SU10010AB300AA0 |  |
|  | Green |  | 3SU10010AB400AAO |  |
|  | Blue |  | 3SU10010AB500AAO |  |
|  | White |  | 3SU10010AB600AAO |  |
| Indicator Lamps |  |  |  |  |
| Indicator lights with smooth lens | Red |  | 3SU10016AA200AAO |  |
|  | Yellow |  | 3SU10016AA300AAO |  |
|  | Green |  | 3SU10016AA400AAO |  |
|  | Blue |  | 3SU10016AA500AAO |  |
|  | White |  | 3SU10016AA600AAO |  |
| Selector Switches |  |  |  |  |
| $\begin{array}{ll}\text { Type } & \begin{array}{l}\text { No. of } \\ \text { Position }\end{array}\end{array}$ | Action | Maintained Positions | Part No. Plastic | Part No. Metal |
| $2$ <br> Short <br> Handle | Spring return | B-C | 3SU10022BC100AAO |  |
|  | Maintained | B-C | 3SU10022BF100AAO | 3 SU10522BC100AAO |
|  | Key switch B-C |  | 3SU10004BF110AA0 |  |
| Handle | Maintained | A-B-C | 3SU10022BL100AA0 | 3SU10522BL100AAO |
|  | Spring return | A-B/C-B | 3SU10022BM100AAO |  |

## Gontact Blocks for Enclosures

| N0 | NC |  | Part No. |
| :--- | :--- | :--- | :--- |
| 1 | 0 | Screw terminal, for front plate mounting | 3SU14001AA101BAO |
| 0 | 1 | Screw terminal, for front plate mounting | 3SU14001AA101CAO |
| 0 | 0 | Holder for 3 modules, plastic | 3SU15000A100AAO |
| 1 | 0 | Holder for 3 modules, plastic, screw terminal | 3SU15001A101BAO |
| 0 | 1 | Holder for 3 modules, plastic, screw terminal | 3SU15001A101CAO |
| 1 | 0 | Holder for 3 modules, metal, screw terminal | 3SU15501A101BAO |
| 0 | 1 | Holder for 3 modules, metal, screw terminal | 3SU15501AA101CAO |


| LED Modules |  |  |  |
| :---: | :---: | :---: | :---: |
| Voltage | Colour |  | Part No. |
| 24 V AC/DC | Red | Screw terminal, for front plate mounting | 3SU14011BB201AA0 |
|  | Yellow |  | 3SU14011BB301AA0 |
|  | Green |  | 3SU14011BB401AA0 |
|  | Blue |  | 3SU14011BB501AA0 |
|  | White |  | 3SU14011BB601AA0 |
| LED Modules |  |  |  |
| $\begin{aligned} & 24-240 \mathrm{~V} \\ & \mathrm{AC} / \mathrm{DC} \end{aligned}$ | Red | Screw terminal, for front plate mounting | 3SU14011BH201AA0 |
|  | Yellow |  | 3SU14011BH301AA0 |
|  | Green |  | 3SU14011BH401AA0 |
|  | Blue |  | 3SU14011BH501AA0 |
|  | White |  | 3SU14011BH601AAO |

LMU Series Direct Voltage Indicator Lamps
Direct Voltage Indicators enable indicator lamps to be connected directly to the Supply Voltage.
Functions
Input Voltages: Same as and determined by the lamp used.
Lamp Caps:
Mounting Type
Mount to panel using JY or H series housings and lenses.
LMU's screw onto housings

| LMU - Standard Direct Indicator Lamp Body |  |
| :--- | :--- |
| Type | Part No. |
| CW 24 lamp | LIU244/4 |
| W0 lamp | LMUMES/4 |

TMU Series Transformer Lamp Indicators
Transformer lamps are generally used for running indicator lamps on control panels at low voltages.

## Functions

Input Voltages:
Frequency:
Lamps: 24,110, 240V AC. $50 / 60 \mathrm{~Hz}$ as standard. $6 \mathrm{~V}, 1.8 \mathrm{~W}$ tubular filament lamp supplied as standard.

Mounting Type
Mount to panel using JY or H series housings and lenses.
TMU's screw onto housings

LMU - Standard Transformer Indicator Lamp Body

## Input Voltage

 Part No.| 24 |
| :--- |
| 110 | TMU/24/4

240 TMU/110/4

## MTMU Series Multi-Lamp Test Indicators

Multi-Lamp Test Indicators enable groups of indicator lamps to be tested from a single pushbutton switch without interrupting norma operation.

## Functions

Input Voltages:
Frequency:
24,110, 240V AC. $50 / 60 \mathrm{~Hz}$ as standard.
$6 \mathrm{~V}, 1.8 \mathrm{~W}$ tubular filament lamp supplied as standard.
Mounting Type
Mount to panel using JY or H series housings and lenses.
MTMU's screw onto housings
MTMU - Standard Mult-Test Transformer indicator Body
Input Voltage

| Part No. |  |
| :--- | :--- |
| 110 | MTMU/24/4 |
| 240 | MTMU/110/4 | MTMU/240/4



Pushbuttons \& Pilot Lights


Housings \& Lenses

| JY Series |  |
| :--- | :--- |
| Housings: | Black moulded glass reinforced nylon. |
| Lens: | Polycarbonate welded to brass. |
| Protection: | IP64 |


| Housing |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| Hole Diameter (mm) |  |  | Part No. |  |
| $\emptyset 19$ |  |  | MP HOUSING BODY |  |
| $\emptyset 22.5$ |  |  | FP HOUSING BODY |  |
| Lens |  |  |  |  |
| Lens Diameter (mm) |  |  | Part No. |  |
| $\emptyset 22.3$ |  | For MP Housing | BJ LENS BENZEL | $\square$ |
| $\emptyset 30$ |  | For MP \& FP Housing | BY LENS | $\square$ |
| H Series <br> Housings: <br> Lens: <br> Protection: | Chro <br> Polys <br> IP64 | maximum) |  |  |


| Housing |  |
| :--- | :--- |
| Hole Diameter (mm) | Part No. |
| $\emptyset 19$ | MH LESS LENS |
| $\emptyset 22.5$ | FH LESS LENS |
| $\emptyset 22.5$ | FHB LESS LENS |


| Lens |  |  |  |
| :--- | :--- | :--- | :--- |
| Lens Diameter (mm) |  | Part No. |  |
| $\emptyset 17.5$ | For MH Housing | MA LENS | $\square$ |
| $\emptyset 17$ | For MH Housing | MC LENS | $\square$ |
| $\emptyset 21.5$ | For MF Housing | FA LENS | $\square$ |
| $\emptyset 23.5$ | For MF Housing | FB/LB LENS | $\square$ |

## LED Cluster

Long life, bright lamps at lower currents. The LEDs are configured as standard in parallel circuits.
This means that the functionality of the lamp is maintained in the event of a diode failure

| Type | Supply |  | Current mA |  |  | Product Code Make-Up |  |  |  | LED Cluster MES or MBC |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | $\begin{aligned} & \mathrm{AC} / \\ & \mathrm{DC} \end{aligned}$ | Volts | AGR | B | W | Type | Colour | Supply Current | Cap | Colours | Type |
| LED7 <br> Wide light $\stackrel{\text { spread }}{ }$ lamps | AC | 4.5 | 60 | 80 | 80 | LED7 | $\begin{aligned} & \text { A } \\ & \text { G } \\ & \text { R } \\ & \text { B } \\ & \text { W } \end{aligned}$ | 4.5V AC | $\begin{gathered} \text { MES } \\ \text { or } \\ \text { MBC } \end{gathered}$ | Amber, Green or Red | LED7 4.5V AC or DC |
|  |  | 24 | 40 | 40 | 40 |  |  | 24V AC |  |  | LED7 24V AC or DC |
|  |  | 110 | 8 | 8 | 8 |  |  | 101 V AC |  |  | LED7 110V AC |
|  | DC |  |  |  |  |  |  |  |  | Blue | LED7 4.5V AC or DC |
|  |  | *4.5 | 80 | - | - |  |  | 4.5 VDC |  |  | LED7 24 V AC or DC |
|  |  | 24 | 40 | 40 | 40 |  |  | 24 V DC |  |  | LED7 110V AC |
|  |  | 24 | 20 | 20 | 20 |  |  | 24 V DC 20 mA |  | White | LED7 4.5V AC or DC |
| $\begin{gathered} \text { LED4 } \\ \text { for indictor } \\ \text { lamps } \end{gathered}$ | AC | 4.5 | 40 | 40 | 40 | LED4 | $\begin{aligned} & A \\ & \text { G } \\ & R \\ & \text { B } \\ & \text { W } \end{aligned}$ | 4.5 V AC | $\begin{gathered} \text { MES } \\ \text { or } \\ \text { MBC } \end{gathered}$ |  | LED7 24V AC or DC |
|  |  | 24 | 40 | 40 | 40 |  |  | 24 V AC |  |  | LED7 110V AC |
|  |  |  |  |  |  |  |  |  |  | Amber, | LED7 4.5V AC or DC |
|  | DC | 110 | 8 | 8 | 8 |  |  | 101 V AC |  | Green | LED7 24V AC or DC |
|  |  | *4.5 | 40 | - | - |  |  | 4.5 V DC |  | or Red | LED7 110V AC |
|  |  | 24 | 40 | 40 | 40 |  |  | 24V DC |  | Blue | LED7 4.5V AC or DC |
|  |  | 24 | 20 | 20 | 20 |  |  | 24V DC 20mA |  |  | LED7 24V AC or DC |
| LEDM1 <br> for indictor lamps |  | 4.5 |  | 2 |  | LEDM1 | $\begin{aligned} & A \\ & \text { G } \\ & \text { R } \\ & \text { B } \\ & \text { W } \end{aligned}$ |  |  |  | LED7 110V AC |
|  | AC |  |  |  |  |  |  | 4.SV AC | $\begin{aligned} & \text { MES } \\ & \text { or } \\ & \text { MBC } \end{aligned}$ | White | LED7 4.5V AC or DC |
|  |  | 24 | 20 | 20 | 20 |  |  | 24 V AC |  |  | LED7 24V AC or DC |
|  |  | 110 | 8 | 8 | 8 |  |  | 101V AC |  |  | LED7 110V AC |
|  | DC | 24 | 20 | 20 | 20 |  |  | 24 V DC |  | Amber or Red | LED7 4.5V AC or DC |
|  |  |  |  |  |  |  |  |  |  |  | LED7 24V AC or DC |
|  | * Blue and White clusters are not available at 4.5 V DC Colour Key: $\mathbf{A}=$ Amber, $\mathbf{G}=$ Green, $\mathbf{R}=$ Red, $\mathbf{B}=$ Blue, $\mathbf{W}=$ White |  |  |  |  |  |  |  |  |  | LED7 110V AC |
|  |  |  |  |  |  |  |  |  |  | Blue, Green or White | LED7 4.5V AC or DC |
|  |  |  |  |  |  |  |  |  |  |  | LED7 24V AC or DC |
|  |  |  |  |  |  |  |  |  |  |  | LED7 110V AC |

Product Part No. Make-Up

| Example 1 | LED7A 4.5V AC MES | $=$ LED7 Amber cluster 4.5V AC with E10 MES cap. |
| :--- | :--- | :--- |
| Example 2 | LED4R 24V DC 20mA MBC | $=$ LED4 Red cluster 24V DC (20mA option) with BA9s MBC. |
| Example 3 | LEDM1W 24V AC MBC | $=$ LEDM1 White single LED 24 AC with BA9s MBC. |

Rotary Cam Switches


The above switches are available in a single hole mount version.
Replace the E at the end of the part no. with FT2.
The above switches (except voltmeter, ammeter and motor reversing switch) are also available in the CG4 size.
CG4 Ratings: 440V
Ith: 10A
AC23 @ 440V: 3kW


Bussmann
by Est•N

Fuse Links - BS88

| BS88 Ref. | Utilisation Category | Rating Amp | Max Voltage AC | Rating DC | Pack Qty. | Part No. |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| A1 | gG | 2 | 550 | 250 | 1 | NITD2 |
|  |  | 4 | 550 | 250 | 1 | NITD4 |
|  |  | 6 | 550 | 250 | 1 | NITD6 |
|  |  | 10 | 550 | 250 | 1 | NITD10 |
|  |  | 16 | 550 | 250 | 1 | NITD16 |
|  |  | 20 | 550 | 250 | 6 | NITD20 |
|  | gM | 20M25 | 440 | - | 6 | NITD20M25 |
|  |  | 20M32 | 440 | - | 6 | NITD20M32 |
|  | gG | 25 | 440 | - | 6 * | NITD25 |
|  |  | 32 | 440 | - | 6 * | NITD32 |
|  | gM | 32M40 | 440 | - | 6 | NITD32M40 |
|  |  | 32M50 | 440 | - | 6 * | NITD32M50 |
|  |  | 32M63 | 440 | - | 6 | NITD32M63 |
| A2 | gG | 2 | 660 | 460 | 6 | AA02 |
|  |  | 4 | 660 | 460 | 6 | AA04 |
|  |  | 6 | 660 | 460 | 6 | AA06 |
|  |  | 10 | 660 | 460 | 6 | AA010 |
|  |  | 16 | 660 | 460 | 6 | AA016 |
|  |  | 20 | 660 | 460 | 6 | AA020 |
|  |  | 25 | 660 | 460 | 6 | AA025 |
|  |  | 32 | 660 | 460 | 6 | AA032 |
|  | gM | 32M35 | 660 | 460 | 6 | AA032M35 |
|  |  | 32M40 | 660 | 460 | 6 | AA032M40 |
|  |  | 32M50 | 660 | 460 | 6 | AA032M50 |
|  |  | 32M63 | 660 | 460 | 6 | AA032M63 |
| A3 | gG | 32 | 660 | 460 | 6 | BA035 |
|  |  | 40 | 660 | 460 | 6 | BA040 |
|  |  | 50 | 660 | 460 | 6 | BA050 |
|  |  | 63 | 660 | 460 | 6 | BA063 |
|  | gM | 63M80 | 660 | - | 6 | BA063M80 |
|  |  | 63M100 | 660 | - | 6 | BA063M100 |
| A4 | gG | 32 | 660 | 460 | 6 | CE032 |
|  |  | 40 | 660 | 460 | 6 | CE040 |
|  |  | 50 | 660 | 460 | 6 | CE050 |
|  |  | 63 | 660 | 460 | 2 | CE063 |
|  |  | 80 | 660 | 350 | 2 | CE080 |
|  |  | 100 | 660 | 350 | 2 | CE0100 |
|  | gM | 100M125 | 660 | 350 | 2 | CE0100M125 |
|  |  | 100M160 | 660 | 350 | 2 | CE0100M160 |
|  |  | 100M200 | 660 | 350 | 2 | CE0100M200 |
| - | gG | 125 | 660 | 350 | 2 | DE0125 |
|  |  | 160 | 660 | 350 | 2 | DE0160 |
|  |  | 200 | 660 | 350 | 2 | DEO200 |
| B1 | gG | 80 | 660 | 350 | 11 | CD80 |
|  |  | 100 | 660 | 350 | 1 | CD100 |
|  | gM | 100M125 | 660 | 350 | 11 | CD100M125 |
|  |  | 100M160 | 660 | 350 | 1 | CD100M160 |
|  |  | 100M200 | 660 | 350 | 1 | CD100M200 |
| B2 | gG | 125 | 660 | 350 | 1 | DD125 |
|  |  | 160 | 660 | 350 | 5 | DD160 |
|  |  | 200 | 660 | 350 | 5 | DD200 |
|  | gM | 200M250 | 660 | 460 | 5 | DD200M250 |
|  |  | 200M315 | 550 | - | 5 | DD200M315 |
| B3 | gG | 250 | 600 | 460 | 1 | ED250 |
|  |  | 315 | 660 | 460 | 1 | ED315 |
|  |  | 250 | 660 | 460 | 1 | EFS250 |
|  |  | 315 | 660 | 460 | 1 | EFS315 |
|  | gM | 315M355 | 660 | 460 | 1 | EFS315M355 |
| B4 | gG | 335 | 660 | 460 | 1 | ED335 |
|  |  | 400 | 660 | 460 | 1 | ED400 |
|  | gM | 400M450 | 660 | 460 | 1 | ED400M450 |
| C1 | gG | 335 | 660 | 460 | 1 | EF355 |
|  |  | 400 | 660 | 460 | 1 | EF400 |
|  | gM | 400M450 | 660 | 460 | 1 | EF400M450 |
| C2 | gG | 450 | 660 | 450 | , | FF450 |
|  |  | 500 | 660 | 450 | 1 | FF500 |
|  |  | 560 | 660 | 450 | 1 | FF560 |
|  |  | 630 | 660 | 450 | 1 | FF630 |
|  | gM | 630M670 | 660 | 450 | 1 | FF630M670 |
| C3 | gG | 670 | 660 | 350 | 1 | GF670 |
|  |  | 710 | 660 | 350 | 1 | GF710 |
|  |  | 750 | 660 | 350 | 1 | GF750 |
|  |  | 800 | 660 | 350 | 1 | GF800 |


| Fuse Links |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| BS88 Ref. | Utilisation Category | Rating Amp | Max Voltage Rating AC | Part No. |
| E1 | gG | 2 | 240 | SSD2 |
|  |  | 4 | 240 | SSD4 |
|  |  | 6 | 240 | SSD6 |
|  |  | 10 | 240 | SSD10 |
|  |  | 16 | 240 | SSD16 |
|  |  | 20 | 240 | SSD20 |
| F1 | gG | 2 | 440 | NSD2 |
|  |  | 4 | 440 | NSD4 |
|  |  | 6 | 440 | NSD6 |
|  |  | 10 | 440 | NSD10 |
|  |  | 16 | 440 | NSD16 |
|  |  | 20 | 440 | NSD20 |
|  |  | 25 | 440 | NSD25 |
|  |  | 32 | 440 | NSD32 |
|  | gM | 32M40 | 415 | NSD32M40 |
| F2 | gG | 40 | 440 | ESD40 |
|  |  | 50 | 440 | ESD50 |
|  |  | 63 | 440 | ESD63 |
|  | gM | 63M80 | 415 | ESD63M80 |
| - | gG | 80 | 440 | OSD80 |
|  |  | 100 | 440 | OSD100 |
|  | gM | 100M125 | 415 | OSD100M125 |
|  |  | 100M160 | 415 | OSD100M160 |



| Fuse Holders |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| Rating Amp | Fuse Link Type | Type of Connection | Colour | Part No. |
| 20 | SSD | Front | Black | SC2OH |
|  |  |  | White | SC2OH WH |
|  |  |  | Green | SC20H GN |
|  |  | Back | Black | SC20P |
|  |  |  | White | SC2OP WH |
|  |  |  | Green | SC20P GN |
|  |  | Busbar / Front | Black | SC20BH |
| 32 | NSD | Front | Black | SC32HD |
|  |  |  | White | SC32HD WH |
|  |  |  | Green | SC32HD GN |
|  |  | Back | Black | SC32P |
|  |  |  | White | SC32P WH |
|  |  |  | Green | SC32P GN |
|  |  | Busbar / Front | Black | SC32BH |
| 63 | ESD | Front | Black | SC63HD |
|  |  |  | White | SC63HD WH |
|  |  | Back | Black | SC63P |
|  |  | Busbar / Front | Black | SC63BH |
| 100 | OSD | Front | Black | SC100H |


| Copper Links |  |  |
| :--- | :--- | :--- |
| Amps | Associated Fuse Holder | Part No. |
| 20 | SC32 | NSC LINK |
| 32 | SC63 | ESC LINK |
| 63 | SC100 | OSC LINK |
| 100 | SC125 | XSC LINK |

Padlockable Rail

| Amps | Part No. |
| :--- | :--- |
| 32 | SC32LOCK |
| 63 | SC63LOCK |

Fuses \& Fuse Holders

Bussmann
by EfT•N


| FUSE Molders |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| Rating Amp | Fuse Link Type | Type of Connection | Colour | Part No. |
| 20 | NITD | Front | Black | RS20H |
|  |  |  | White | RS20H WH |
|  |  |  | Green | RS20H GN |
|  |  |  | Grey | RS20H GY |
|  |  | Front / Back | Black | RS20PH |
|  |  | Back, Surface | Black | RS20PG |
|  |  |  | White | RS20PGWH |
|  |  | Back, Flush | Black | RS20F |
|  |  |  | White | RS20F WH |
|  |  |  | Green | RS20F GN |
| 32 | AAO | Front | Black | RS32H |
|  |  |  | White | RS32H WH |
|  |  |  | Green | RS32H GN |
|  |  | Front / Back | Black | RS32PH |
|  |  | Back | Black | RS32P |
|  |  |  | White | RS32P WH |
|  |  |  | Green | RS32P GN |
| 63 | BAO | Front | Black | RS63H |
|  |  |  | White | RS63H WH |
|  |  | Front / Back | Black | RS63PH |
|  |  | Back | Black | RS63P |
|  |  |  | White | RS63P WH |
| 100 | CEO | Front | Black | RS100H |
|  |  |  | White | RS100H WH |
|  |  | Front / Back | Black | RS100PH |
|  |  | Back | Black | RS100P |
|  |  |  | White | RS100P WH |
| 200 | DD | Front | Black | RS200H |
|  |  |  | White | RS200H WH |
|  |  | Front / Back | Black | RS200PH |
|  |  | Back | Black | RS200P |
|  |  |  | White | RS200P WH |
| 400 | ED | Front | Black | RS400H |
|  |  | Front / Back | Black | RS400PH |
|  |  | Back | Black | RS400P |

Accessories


| Dli Rai Ad\&ptior |  |
| :--- | :--- |
| Description | Part No. |
| DIN rail adaptor for RS20H | DIN 20/32 |


ET5
GAP
Western Automation

## HTE Controls Transformers

- Continuously rated panel mounting, double wound isolating transformers
- Manufactured in the UK and desined to fully comply with BS EN6558
- Copper earth screen between primary and secondary windings
- Multi tapped to include the harmonised European voltages
- Terminals clearly colour coded for easy identification
- Terminals give finger proof protection (IP20)
- Additional fixing points for easy identification in panels
- Varnish impregnated

Special Transformers
If our standard range does not suit your application, we are happy to quote for your specific transformer requirements.
Please contact our sales office with the specification, for a speedy response.

| Suggested Primary Fuse Vaules |  |  |
| :---: | :---: | :---: |
| VA Rating | $\mathbf{1 0 - 0 - 2 2 0 - 2 4 0}$ <br> Primary | $\mathbf{2 0 - 0 - 3 8 0 - 4 2 0}$ <br> Primary |
| 50 | 0.5 | 0.315 |
| 100 | 0.8 | 0.5 |
| 150 | 1.25 | 0.8 |
| 200 | 2 | 1.25 |
| 300 | 3.15 | 2 |
| 400 | 4 | 2 |
| 500 | 6.3 | 3.15 |
| 750 | 8 | 5 |
| 1000 | 10 | 6.3 |
| 1500 | 16 | 8 |
| 2000 | 16 | 8 |
| 2500 | 20 | 10 |
| 3000 | 25 | 16 |
| 5000 | 40 | 25 |
|  |  |  |

## Transformers

| VA Rating | Primary Voltage | Insert Secondary Voltage | Part No. |
| :---: | :---: | :---: | :---: |
| 50 | 10-0-220-240 | $\square$ | HTE 50230 |
|  | 20-0-380-420 | $\square$ | HTE 50400 |
| 100 | 10-0-220-240 | $\square$ | HTE 100230 |
|  | 20-0-380-420 | $\square$ | HTE 100400 |
| 150 | 10-0-220-240 | $\square$ | HTE 150230 |
|  | 20-0-380-420 | $\square$ | HTE 150400 |
| 200 | 10-0-220-240 | $\square$ | HTE 200230 |
|  | 20-0-380-420 | $\square$ | HTE 200400 |
| 300 | 10-0-220-240 | $\square$ | HTE 300230 |
|  | 20-0-380-420 | $\square$ | HTE 300400 |
| 400 | 10-0-220-240 | $\square$ | HTE 400230 |
|  | 20-0-380-420 | $\square$ | HTE 400400 |
| 500 | 10-0-220-240 | $\square$ | HTE 500230 |
|  | 20-0-380-420 | $\square$ | HTE 500400 |
| 750 | 10-0-220-240 | $\square$ | HTE 750230 |
|  | 20-0-380-420 | $\square$ | HTE 750400 |
| 1000 | 10-0-220-240 | $\square$ | HTE 1000230 |
|  | 20-0-380-420 | $\square$ | HTE 1000400 |
| 1500 | 10-0-220-240 | $\square$ | HTE 1500230 |
|  | 20-0-380-420 | $\square$ | HTE 1500400 |
| 2000 | 10-0-220-240 | $\square$ | HTE 2000230 |
|  | 20-0-380-420 | $\square$ | HTE 2000400 |
| 2500 | 10-0-220-240 | $\square$ | HTE 2500230 |
|  | 20-0-380-420 | $\square$ | HTE 2500400 |
| 3000 | 10-0-220-240 | $\square$ | HTE 3000230 |
|  | 20-0-380-420 | $\square$ | HTE 3000400 |
| 5000 | 10-0-220-240 | $\square$ | HTE 5000230 |
|  | 20-0-380-420 | $\square$ | HTE 5000400 |

Please note: Transformers above 1500VA with low voltage secondary output will be fitted with stud terminals.
Accessories

- Ventilated Sheet steel IP23 enclose
- Wall or floor mounted
- Cable entry -25 mm cutouts


## Enclosures

| To Suit Transformer Size |  |  |  |  | Part No. |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 50... 100VA |  |  |  |  | APO |  |  |  |  |  |  |  |
| 200... 500VA |  |  |  |  | AP2 |  |  |  |  |  |  |  |
| 750...1000VA |  |  |  |  | AP4 |  |  |  |  |  |  |  |
| 1500... 3000VA |  |  |  |  | AP5 |  |  |  |  |  |  |  |
| 5000VA |  |  |  |  | AP6 |  |  |  |  |  |  |  |
| Transformers (approx. size) |  |  |  |  |  |  | Enclosures (approx. size) |  |  |  |  |  |
| $\begin{aligned} & \text { Size } \\ & \text { VA } \end{aligned}$ | A | B | C | Weight kg |  |  | Type | A | B | C |  | Weight kg |
| 50 | 80 | 80 | 90 | 1.1 |  |  | APO | 132 | 200 | 118 |  | 1 |
| 100 | 98 | 95 | 110 | 2.1 |  |  | AP2 | 225 | 220 | 155 |  | 2 |
| 150 | 98 | 105 | 110 | 2.8 |  |  | AP4 | 272 | 340 | 185 |  | 3 |
| 200 | 118 | 100 | 125 | 3.7 |  |  | AP5 | 355 | 350 | 250 |  | 5 |
| 300 | 118 | 113 | 125 | 4.5 |  |  | AP6 | 455 | 385 | 315 |  | 7 |
| 400 | 137 | 110 | 140 | 6.9 |  |  |  |  |  |  |  |  |
| 500 | 137 | 130 | 140 | 7.4 10.2 |  |  |  | $\longleftarrow$ |  |  | $\leftarrow \subset \rightarrow$ \| |  |
| 1000 | 168 | 150 | 175 | 12.6 |  |  |  |  |  |  |  |  |
| 1500 | 168 | 182 | 175 | 17.4 |  |  |  |  | 5 |  | $\square$ |  |
| 2000 | 216 | 162 | 215 | 21.0 |  |  |  | $\bigcirc$ |  |  | $\square$ |  |
| 2500 | 216 | 175 | 215 | 24.0 34.8 |  |  |  |  |  |  |  |  |
| 3000 | 233 | 200 | 230 | 34.8 53.0 |  |  |  |  |  |  |  |  |




Transformers \& Power Supplies


## Industrial Range

General purpose alkaline manganese batteries.
These alkaline batteries are manufactured by Duracell for the industrial user.
High performance, long life and a 5 year shelf life. Each battery is date stamped for freshness.

| Industrial | Batteries |  |  |
| :--- | :--- | :--- | :--- |
| Type | Voltage | Pack Qty. | Part No. |
| 9V | 9.0 | 10 | MN1604 |
| AAA | 1.5 | 10 | MN2400 |
| AA | 1.5 | 10 | MN1500 |
| C | 1.5 | 10 | MN1400 |
| D | 1.5 | 10 | MN1300 |

DURACELL


## S8VK-G Series

The S8VK-G offers a wide product range (from 15 W up to 480 W ), in a very compact size. It is $13 \%$ smaller than comparable power supplies and the smallest on the market of its type.

- Wide operating temperature range $\left(-40\right.$ to $\left.+70^{\circ} \mathrm{C}\right)$ to guarantee operation stability
- Double set of DC output terminals (three for the negative) to provide easy wiring
- High efficiency $(90 \%)$ to reduce energy consumption
- Power Boost functionality (120\%)

| S8VK-6 |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| Power Rating | Input Voltage | Output Voltage | Output Current | Part No. |
| 15W | 100-240V AC | 12V DC | 1.2A | S8VKG-01512 |
|  |  | 24 V DC | 0.65A | S8VKG-01524 |
| 30W |  |  | 1.3A | S8VKG-03024 |
| 60W |  |  | 2.5A | S8VKG-06024 |
| 120W |  |  | 5A | S8VKG-12024 |
| 240W |  |  | 10A | S8VKG-24024 |
| 480W |  |  | 20A | S8VKG-48024 |

## Phaseo ABL8 Series

The Modular, Optimum, and Universal series of regulated switch mode power supplies are designed to provide DC voltage necessary for electrical equipment. Designed for applications ranging from simple machine control, to complex systems requiring status contacts and battery back up options.

| Single Phase |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Input Voltage | Frequency | Voltage | Output <br> Amps | Power (W) | Part No. |
| $\begin{aligned} & 100-240 \mathrm{~V} \text { AC / } \\ & 120-250 \mathrm{~V} \text { DC } \end{aligned}$ | 47-63Hz | 24V DC | 1.2A | 30 | ABL8MEM24012 |
| $\begin{aligned} & 100-240 \mathrm{~V} \mathrm{AC} \mathrm{/} \\ & 110-220 \mathrm{~V} \text { DC } \end{aligned}$ |  |  | 3 A | 72 | ABL8REM24030 |
|  |  |  | 5A | 120 | ABL8REM24050 |
| $\begin{aligned} & 100-120 \mathrm{~V} \text { AC / } \\ & 200-500 \mathrm{~V} \text { AC } \end{aligned}$ |  |  | 10A | 240 | ABL8RPS24100 |
| Three Phase |  |  |  |  |  |
| 380-500V AC | $47-63 \mathrm{~Hz}$ | 24V DC | 20A | 480 | ABL8WPS24200 |
|  |  |  | 40A | 960 | ABL8WPS24400 |

## SITOP smart Series

SITOP smart is the high-performance standard power supply for automated machines and systems with 24 V or 12 V electronics.


- Small footprint thanks to compact design, no clearances required at the sides
- "Extra power" with 1.5 times the rated current for $5 \mathrm{~s} / \mathrm{min}$ for transient overloads
- $120 \%$ of the rated capacity can be used durably up to $45^{\circ} \mathrm{C}$ ambient temperature (24V models)
- Signalling contact for "Output voltage OK" for easy integration into the system monitoring



## Schneider <br> ane



## Power Supplies

Weidmüller 35


ConnectPower

- Compact DIN rail mounted power supplies
- Wide range of input voltages
- International approvals, CE, UL, CSA EN60204 (PELV); EN 60950m (SELV)
- Parallel operation on Eoline range

| MavePower | Prequency | Output <br> Voltage | Amps | Power (W) | Part No. |
| :--- | :--- | :--- | :--- | :--- | :--- |
| Input <br> Voltage | Fr |  |  |  |  |


| Instapower <br> Input <br> Voltage | Frequency | Output <br> Voltage | Amps | Power (W) | Part No. |
| :--- | :--- | :--- | :--- | :--- | :--- |
| $85-265 \mathrm{~V} \mathrm{AC} \mathrm{/}$ <br> $120-300 \mathrm{~V} \mathrm{DC}$ | $50-60 \mathrm{~Hz}$ | 24 V DC | 1 A | 24 | $\mathbf{9 9 2 8 8 9 0 0 2 4}$ |
| $85 \ldots 264 \mathrm{~V} \mathrm{AC} \mathrm{/}$ <br> $110 \ldots 370 \mathrm{~V} \mathrm{DC}$ | $50-60 \mathrm{~Hz}$ | $15 \ldots 28 \mathrm{~V} \mathrm{DC}$ | 2 A | 48 | $\mathbf{8 7 3 9 1 4 0 0 0 0}$ |

PROeco Single Phase


PROeco Three Phase

| Input Voltage | Frequency | Output Voltage | Amps | Power (W) | Part No. |
| :---: | :---: | :---: | :---: | :---: | :---: |
| $\begin{aligned} & 340 \ldots 575 \mathrm{~V} \text { AC } \\ & 450 \ldots 870 \mathrm{~V} \text { DC } \end{aligned}$ | 47... 63 Hz | 24 V DC | 5 | 120 | 1469530000 |
|  |  |  | 10 | 240 | 1469540000 |
|  |  |  | 20 | 480 | 1469550000 |
|  |  |  | 40 | 960 | 1469560000 |

PROMax Single Phase

| Input <br> Voltage | Output <br> Voltage | Amps | Power (W) | Part No. |
| :--- | :--- | :--- | :--- | :--- |
|  | 24 | 3 | 72 | $\mathbf{1 4 7 8 1 0 0 0 0 0}$ |
|  | 24 | 5 | 120 | $\mathbf{1 4 7 8 1 1 0 0 0 0}$ |
| AC $85 \ldots 277$ | 24 | 7.5 | 180 | $\mathbf{1 4 7 8 1 2 0 0 0 0}$ |
| DC $80 \ldots 370$ | 24 | 10 | 240 | $\mathbf{1 4 7 8 1 3 0 0 0 0}$ |
|  | 24 | 20 | 480 | $\mathbf{1 4 7 8 1 4 0 0 0 0}$ |
|  | 24 | 40 | 960 | $\mathbf{1 4 7 8 1 5 0 0 0 0}$ |


| Protop Single Phase |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| Input Voltage | Output Voltage | Amps | Power (W) | Part No. |
| $\begin{aligned} & \text { AC } 85 \ldots . .277 \\ & \text { DC } 80 . . .410 \end{aligned}$ | 24 | 3 | 72 | 2466850000 |
|  | 24 | 5 | 120 | 2466870000 |
|  | 24 | 10 | 240 | 2466880000 |
|  | 24 | 20 | 480 | 2466890000 |
|  | 24 | 40 | 960 | 2466900000 |

## 55 Series

Contact rating: 10A for the DPDT version (240V resistive load) / 7A for the 4PDT version.


## 56 Series

Contact rating: $\quad 12 \mathrm{~A}(240 \mathrm{~V}$ resistive load)


## 60 Series

Contact rating: $\quad 10 \mathrm{~A}(240 \mathrm{~V}$ resistive load)

| Plug-In Relays |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| Type | Contact <br> Arrangement | Coil Type | Coil Voltage | Part No. |
| With LED indicator and test button | DPDT | AC | 110 V | 60.12.8.110.0054 |
|  |  | DC | 24 V | 60.12.9.024.0074 |
|  | 3PDT | AC | 110 V | 60.13.8.110.0054 |
|  |  | DC | 24 V | 60.13.9.024.0074 |
| Base \& clins for 60 Serics Relays |  |  |  |  |
| Type |  | For Relay |  | Part No. |
| DIN rail surface mounting (includes retaining clip) |  | DPDT |  | 90.26SMA |
|  |  |  |  | 90.27SMA |
| Other coil voltages available on request. |  |  |  |  |

## 46 Series

Contact rating:
16A for the SPDT version (240V resistive load) 8A for the DPDT version


Plug-In Relays
omron


MY Series
Contact rating: 5A for the DPDT version (240V resistive load) / 3A for the 4PDT version.

| Plug-In Relays |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| Type | Contact Arrangement | Coil Type | Coil Voltage | Part No. |
| Standard | DPDT | DC | 24 V | MY2 24DC S |
|  | 4PDT | DC | 100/110V | MY4 100/110DC S |
| With LED indicator | 4PDT | DC | 24 V | MY4N 24DC S |
| With LED indicator and test button | 4PDT | AC | 24 V | MY4IN 24AC S |
|  |  |  | 110/110V | MY4IN 100/110AC S |
|  |  |  | 220/240V | MY4IN 220/240AC S |
|  |  | DC | 12 V | MY4IN 12DC S |
|  |  |  | 24 V | MY4IN 24DC S |
| Bases \& Clips |  |  |  |  |
| Type |  | For Relay |  | Part No. |
| DIN rail surface mounting |  | DPDT |  | PYF08AE |
|  |  | 4PDT |  | PYF14AE |
| 3 Tier base |  |  |  | PYF14-ESS-B |
| Clips |  |  |  | PYCA1 |

LY Series
Contact rating: $\quad 10 \mathrm{~A}(240 \mathrm{~V}$ resistive load)

| Plug-In Reays |  |  |  |
| :---: | :---: | :---: | :---: |
| Type Contact <br> Arrangement  | Coil Type | Coil Voltage | Part No. |
| Standard DPDT | DC | 24V | LY2 24DC |
| Standard 4PDT |  |  | LY4 24DC |
| Bascs \& Clins |  |  |  |
| Type | For Relay |  | Part No. |
| DIN rail surface mounting | DPDT |  | PTF08AE |
|  | 4PDT |  | PTF14AE |
| Clips |  |  | PYCA1 |
| Other coil voltages available on request. |  |  |  |

MK Series
Contact rating:
10 A (240V resistive load)

| Plug-In Relays |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| Type | Contact <br> Arrangement | Coil Type | Coil Voltage | Part No. |
| With LED indicator and test button | DPDT | AC | 110 V | MKS2PINAC110 |
|  |  | DC | 24 V | MKS2PINDC24 |
|  | 3PDT | AC | 110 V | MKS3PIN5AC110 |
|  |  | DC | 24 V | MKS3PIN5DC24 |
| Bascs ox clins |  |  |  |  |
| Type |  | For Relay |  | Part No. |
| DIN rail surface mounting |  | DPDT |  | PF083AE |
|  |  | 3PDT |  | PF113AN |
| Clips |  |  |  | PFC-A1 |
| Other coil voltages | ilable on request |  |  |  |

G2RS Series
Contact rating: $\quad 10 \mathrm{~A}$ (240V resistive load)


D-SERIES - Industrial Relay Modules

| D-Series - DRI |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Desscripion |  | ${ }_{\text {coill }}^{\text {coile }}$ |  |  | Parto. |
| ${ }^{\text {DPR } 3142024}$ | Stantard | 24 VCO | ${ }^{108}$ |  | 776005629 |
| ${ }_{\text {Din }}^{\text {Di3 } 314242410}$ | With Led lest tuton + treemeed liode |  | ${ }_{\text {10A }}^{109}$ | 100 100 | 7770056315 |
| Din 3145454 LT | Writh LEP + +est butoon | ${ }^{244 \mathrm{AC}}$ | ${ }^{109}$ | 1100 | T7600553318 |
|  | Standard | 1155 ac | ${ }^{108}$ | 1.00 | 7770056301 |
|  | Standerd | 23004 | ${ }_{10}^{10 a}$ | 1 | 71760056352 |
|  | With LED + est tutun | 2004 | ${ }^{109}$ | co | 7760055320 |
| Sol 100 | 3Tierer Bese Scesew clamp |  |  |  | T760056550 |


| DRI-2 Changover Contact Relays |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Descripition |  | ${ }_{\text {coil }}^{\text {Coilae }}$ |  |  | Part No . |
| Din 124229 | Standard | 24 VCO | 5A | 200 | ${ }^{7760055322}$ |
| Difl424524 | Standard | 24 VaC | ${ }_{5 A}$ | 200 |  |
|  | Wht Leot lestbutoon |  | ${ }_{5}{ }^{\text {a }}$ |  |  |
| Ofilt | Sindlad Wite + test buton | ${ }^{115 V} \mathbf{A C}$ | ${ }_{5 \text { 5A }}^{5}$ | 200 | ${ }^{\text {Trimous536 }}$ |
| Dil424730 | dard | ${ }^{23014}$ | ${ }_{5 A}$ | co | 776055337 |
| ORR124730]T | Witheo + lestaturon | 230 AC | ${ }^{54}$ | 200 | ${ }^{77600553535}$ |
| s012c0 |  |  |  |  |  |

## D-Series - DRM

| Description |  | Coil Voltage | Output <br> (A) Max | Contacts | Part No. |
| :---: | :---: | :---: | :---: | :---: | :---: |
| DRM270024 | Standard | 24 V DC | 10A | 2 CO | 7760056051 |
| DRM270024LT | With LED + Test button |  | 10A | 2 CO | 7760056069 |
| DRM270524 | Standard | 24 V AC | 10A | 2 CO | 7760056055 |
| DRM270524LT | With LED + Test button |  | 10A | 2 CO | 7760056073 |
| DRM270615 | Standard | 115 V AC | 10A | 2 CO | 7760056057 |
| DRM270615LT | With LED + Test button |  | 10A | 2 CO | 7760056075 |
| DRM270730 | Standard | 230 V AC | 10A | 2 CO | 7760056058 |
| DRM270730LT | With LED + Test button |  | 10A | 2 CO | 7760056076 |
| SCM ECO 2 C0 | 3 Tier Base |  |  |  | 7760056263 |
| DRM clip M (for DRM relay) | Retaining clip |  |  |  | 7760056108 |
| FS 2C0 | Low profile base |  |  |  | 7760056106 |
| DRM570024 | Standard | 24V DC | 5A | 4 CO | 7760056079 |
| DRM570024LT | With LED + Test button |  | 5A | 4 CO | 7760056097 |
| DRM570524 | Standard | 24V AC | 5A | 4 CO | 7760056083 |
| DRM570524LT | With LED + Test button |  | 5A | 4 CO | 7760056101 |
| DRM570615 | Standard | 115 V AC | 5A | 4 CO | 7760056085 |
| DRM570615LT | With LED + Test button |  | 5A | 4 CO | 7760056103 |
| DRM570730 | Standard | 230 V AC | 5A | 4 CO | 7760056086 |
| DRM570730LT | With LED + Test button |  | 5A | 4 CO | 7760056104 |
| SCM ECO 4C0 | 3 Tier Base |  |  |  | 7760056264 |
| DRM clip M (for DRM relay) | Retaining clip |  |  |  | 7760056108 |
| FS 4C0 | Low profile base |  |  |  | 7760056107 |




Plug-In Relays

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D-SERIES - Industrial Relay Modules Continued

## Termseries Screw Clamp

| Description |  | Coil Voltage | Output <br> (A) Max | Contacts | Part No. |
| :---: | :---: | :---: | :---: | :---: | :---: |
| TRS 24V DC 1C0 |  | 24V DC | 6A | 1 CO | 1122770000 |
| TRS 24V UC 1C0 |  | 24V AC/DC | 6A | 1 CO | 1122780000 |
| TRS 120V UC 1C0 |  | 115 V AC | 6A | 1 CO | 1122810000 |
| TRS 230V UC 1C0 |  | 230 V AC | 6A | 1 CO | 1122820000 |
| TRS 24-230V UC 1C0 |  | 24-230V AC | 6A | 1 CO | 1122850000 |
| TRS 24V DC 2C0 |  | 24V DC | 8A | 2 CO | 1123490000 |
| TRS 24V UC 2C0 |  | 24V AC/DC | 8A | 2 CO | 1123500000 |
| TRS 120V UC 2C0 |  | 115 V AC | 8A | 2 CO | 1123530000 |
| TRS 230V UC 2C0 |  | 230 V AC | 8A | 2 CO | 1123540000 |
| TRS 24-230V UC 2C0 |  | 24-230V AC | 8A | 2 CO | 1123580000 |
| TOS 24V DC 48V DC 0.1A |  | $\begin{aligned} & 24 \mathrm{~V} D C \\ & 48 \mathrm{~V} D \mathrm{C} \end{aligned}$ | 0.1A | 1NO | 1126940000 |
| TOS 120V UC 48V DC 0.1A |  | 120V UC <br> 48V DC | 0.1A | 1NO | 1126980000 |
| TOS 230V UC 48V DC 0.1A |  | $\begin{aligned} & 230 \mathrm{~V} \text { AC } \\ & 48 \mathrm{~V} \text { DC } \end{aligned}$ | 0.1A | 1N0 | 1126990000 |
| TOS 24-230V UC 48V DC 0.1A |  | $\begin{gathered} 24-230 \mathrm{~V} \text { AC } \\ 0-48 \mathrm{~V} \text { DC } \end{gathered}$ | 0.1A | 1N0 | 1127020000 |
| TOS 24V DC 230V AC 1A | Triac | $\begin{aligned} & 24 \mathrm{~V} \text { DC } \\ & 230 \mathrm{~V} \mathrm{AC} \end{aligned}$ | 1A | 1N0 | 1127410000 |
| TOS 120V UC 230V AC 1A | Triac | $\begin{aligned} & 120 \mathrm{~V} \text { UC } \\ & 230 \mathrm{VC} \end{aligned}$ | 1A | 1N0 | 1127450000 |
| TOS 230V UC 230V AC 1A | Triac | 230 V UC | 1A | 1N0 | 1127470000 |
| TOS 24-230V UC 230V AC 1A | Triac | 24-230V UC | 1 A | 1N0 | 1127500000 |
| ZQV 1.5N/R6.4/19 GE | Cross connections for termseries |  |  |  | 1193690000 |
| ZQV 1.5N/R6.4/19 SW | Cross connections for termseries |  |  |  | 1391600000 |
| ZQV 1.5N/R6.4/19 RT | Cross connections for termseries |  |  |  | 1391610000 |
| ZQV 1.5N/R6.4/19 BL | Cross connections for termseries |  |  |  | 1391620000 |


| Termserics Iension Clamp |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| Description | Coil Voltage | Output <br> (A) Max | Contacts | Part No. |
| TRZ 24V DC 1C0 | 24V DC | 6A | 1 CO | 1122880000 |
| TRZ 24V UC 1C0 | 24 V UC | 6A | 1 CO | 1122890000 |
| TRZ 120V UC 1C0 | 120 V UC | 6A | 1 CO | 1122920000 |
| TRZ 230V UC 1C0 | 230 V UC | 6A | 1 CO | 1122930000 |
| TRZ 24-230V UC 1C0 | 24-230V UC | 6A | 1 CO | 1122970000 |
| TRZ 24V DC 2C0 | 24V DC | 8A | 2 CO | 1123610000 |
| TRZ 24V UC 2C0 | 24 V UC | 8A | 2 CO | 1123620000 |
| TRZ 120V UC 2C0 | 120 V UC | 8A | 2C0 | 1123650000 |
| TRZ 230V UC 2C0 | 230 V UC | 8A | 2 CO | 1123670000 |
| TRZ 24-230V UC 2C0 | 24-230V UC | 8A | 2C0 | 1123700000 |
| TOZ 24V DC / 48V DC 0.1A | $\begin{aligned} & 24 \mathrm{~V} D C \\ & 48 \mathrm{~V} D \mathrm{C} \end{aligned}$ | 0.1A | 1NO | 1127050000 |
| T0Z 120V UC / 48V DC 0.1A | 120 V UC 48V DC | 0.1 A | 1N0 | 1127090000 |
| T0Z 230V UC / 48V DC 0.1A | $\begin{gathered} 230 \mathrm{~V} \text { UC } \\ 48 \mathrm{~V} \text { DC } \\ \hline \end{gathered}$ | 0.1A | 1N0 | 1127100000 |
| TOZ 24-230V UC / 48V DC 0.1A | $\begin{gathered} 24-230 \mathrm{~V} \mathrm{UC} \\ 48 \mathrm{~V} \text { DC } \\ \hline \end{gathered}$ | 0.1A | 1NO | 1127130000 |
| TOZ 24V DC / 230V AC 1A Triac | $\begin{gathered} 24 \mathrm{~V} \mathrm{DC} \\ 230 \mathrm{~V} \text { AC } \end{gathered}$ | 1A |  | 1127530000 |
| TOZ 120V UC / 230V AC 1A Triac | 120 V UC 230 V AC | 1A |  | 1127580000 |
| T0Z 230V UC / 230V AC 1A Triac | 230 V UC | 1A |  | 1127590000 |
| T0Z 24-230V UC / 230V AC 1A Triac | 24-230V UC | 1A |  | 1127620000 |

## H3DK Series

DIN-rail mounted, standard 22.5 mm -width solid state timer range. The H3DE series of timers provides a wide AC/DC power supply and time range to reduce the number of items.

Features

- H79 x W22.5 x D100mm
- DIN-rail mounting
-24-230V AC/DC (except -H)
- Wide time setting range: 0.10 s -120 h (except -H and -G) 8 ranges

| Din Rail Mounted Itmers |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| Operating Modes <br> Multi-functional Standa | Supply Voltage <br> d Timers | Control OutPut | Time Setting Range | Part No. |
| ON-delay, flicker OFF $\quad 12 \mathrm{~V}$ DCstart, flicker On start,signal ON / OFF delay,signal OFF-delay, interval, $24-230 \mathrm{~V}$ AC/DCsignal ON / OFF delay,one-shot |  | DPDT | 0.1s-120h | H3DK-M2 DC12 |
|  |  | SPDT | 0.1s - 120h | H3DK-M1 AC/DC24/230 |
|  |  | DPDT | 0.1s-120h | H3DK-M2 AC/DC24/230 |
| ON-delay, flicker ON start, interval, one-shot | 24-230V AC/DC | $\begin{aligned} & \text { SPDT } \\ & \text { DPDT } \end{aligned}$ | $\begin{aligned} & 0.1 s-120 h \\ & 0.1 s-120 h \end{aligned}$ | H3DK-S1 AC/DC24/230 H3DK-S2 AC/DC24/230 |
| Twin Timer |  |  |  |  |
| Flicker OFF start, Flicker ON start |  | SPDT | 0.1-12s | H3DK-F AC/DC24/230 |
| Star-delta Timer |  |  |  |  |
| Star-delta |  | 2 x SPDT | 1-120s | H3DK-G AC/DC24/230 |
| Power OFF-delay Timer |  |  |  |  |
| Signal OFF-delay | 24V AC/DC | SPDT | 1-120s | H3DK-H AC/DC24L |
|  |  |  | 0.1-12s | H3DK-H AC/DC24S |
|  | 48V AC/DC | SPDT | 1-120s | H3DK-H AC/DC48L |
|  |  | SPD | 0.1-12s | H3DK-H AC/DC48S |
|  | 100-120V AC | SPDT | 1-120s | H3DK-H AC/DC100-120L |
|  | 100-120V AC | SPD | 0.1-12s | H3DK-H AC/DC100-120S |
|  | 200-230V AC | SPDT | 1-120s | H3DK-H AC/DC200-230L |
|  | 200-230V AC | SPDT | 0.1-12s | H3DK-H AC/DC200-230S |

## H3YN Series

Features

- High repeat accuracy
- $2 \%$ Short resetting time $<0 / 1 \mathrm{sec}$
- Contact rating 3A at 250V AC (resisted)

Function: Miniature timer with multiple time ranges and multiple operating modes

| H3YN Seríes |  |  |  |
| :--- | :--- | :--- | :--- |
| Type | Time Limit Contact | Voltage | Part No. |
| Long time range model 0.1 min to 10 hours | 4PDT | 24 VAC | H3YN 41 24VAC |
|  |  |  | 230 V AC |

## Zelio Time - Timer Relays

Features

- Compliant with international standards and certifications IEC 61812-1, EN 61812-1 UL, CSA, GL, RCM, EAC, CCC, China ROHS
- Wide power supply range from 24 to 240 V
- Single or multiple functions


OmROn



Single or multi timing ranges from 0.02 s to 999 hrs

## Schneider Electric

- Relay or Solid-state output
- Diagnostic button and dial pointer LED indicator
- Module DIN rail mount, miniature plug-in and panel mount



[^0]:    Order Button/Bezel/Lens/Lamp for complete unit.

