

**N SERIES Ø30mm**

- Heavy duty control units with high reliability
- Variety of models with up to maximum 10A contact rating
- Durable nylon 66 housing with silver contacts
- LED or incandescent illumination
- IP65 protection
- UL and CSA approved
- EN compliant

**TWS SERIES Ø25mm**

- Heavy duty control units with high reliability
- Modular construction for maximum flexibility
- Transformer or full voltage
- LED or incandescent illumination
- IP65 protection
- UL and CSA approved
- EN compliant



TW SERIES Ø22mm

- Highly reliable contacts, long life design
- Snap-on mount contact block and transformers
- High contact rating with 10A continuous current
- IP65 protection
- UL and CSA approved
- EN compliant



YW SERIES Ø22mm

- Tamper proof construction
- Cost effective, high performance
- Finger-safe screw terminal
- Locking lever removable contact blocks
- Pilot lights feature a large lens to ensure wide viewing angle
- Non-glare matte surfaces on the button, lens and bezel reduce reflection of ambient light
- UL, c-UL approved, EN compliant



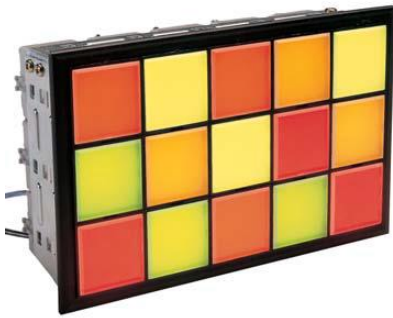
A SERIES Ø8, Ø10, Ø12, Ø16mm

- Light-touch operator with short body
- Variety of operator types and colours
- Bright and clear illumination face with LED lamps
- Available in enclosed (IP40) and oil tight (IP65) types
- SPDT or DPDT gold-clad silver contacts
- Flush mounting available



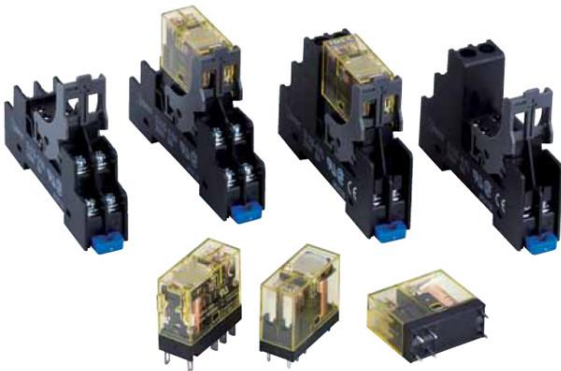
XA / XW SERIES E-STOPS Ø16 / 22mm

- Technologically advanced “Safe Break Action” models
- Pushlock turn reset and push-pull functions built into same unit
- Direct opening action mechanism (IEC60947-5-5, 5.2, IEC60947-5-1, Annex K)
- Safety lock mechanism (IEC60947-5-5, 6.2)
- 40mm button size (XA), 40mm & 60mm button size (XW)
- UL, c-UL approved, EN compliant



SLC 30/40 SERIES

- Up to 200 windows (SLC30), 105 windows (SLC40)
- Various illumination face types
- Six lens colours for LED/incandescent illumination
- High brightness and low current consumption
- Blue LED illumination also available



RJ SERIES SLIM POWER RELAYS

- Compact housing: only 12.7mm wide
- Large contact rating: RJ1S (1-pole)-12A, RJ2S (2-pole)-8A
- Excellent electrical and mechanical life Electrical life: 200,000 operations (AC load) Mechanical life: 30 million operations (AC coil)
- Non-polarized LED indicator available
- RoHS compliant
- Diode type: Diode reverse withstand voltage –1000V



RU SERIES UNIVERSAL RELAYS

- Two terminal styles: plug-in and PCB mount

- Non-polarized LED indicator available on plug-in type
- No internal wires, lead-free construction
- Cadmium free contacts
- Manual latching lever with color coding for AC or DC coil
- Snap-on yellow marking plate; optional marking plates are available in four different colors
- Maximum contact ratings: 10A (RU2), 6A (RU4), 3A (RU42)



RM SERIES MINIATURE POWER RELAYS

- Miniature, light weight relays
- 5A contact capacity: 2-pole
- Optional indicator and check buttons

RY SERIES MINIATURE RELAYS

- Contact ratings: 4PDT-5A
- Bifurcated contacts also available
- Wide variety of terminal styles available
- Variety of coil voltages to cover any application
- All 4PDT models have arc barriers



RR SERIES POWER RELAYS

- Heavy duty, power type relays
- 10A contact capacity: 1, 2 or 3 poles
- Available in pin or blade terminal styles
- DIN rail, surface and panel mount sockets allowing variety of mounting styles
- Options include an indicator, check button and side flange



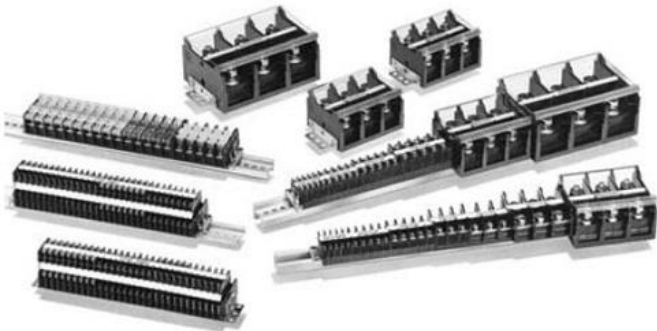
RH SERIES MINIATURE POWER RELAYS

- Miniature power relays with large capacity
- 10A contact capacity: 2 or 4 poles
- Compact size saves space



SR, SH, SM, SY, SJ, DF, SERIES

- Wide variety of mounting styles and models
- DIN Rail snap-mount/Surface mount: SJ, SR, SH, SY, SM, DF series
- Cost effective, high performance
- Finger-safe terminals
- Hold-down springs and clips
- UL recognized
- CSA certified, CE approved



BA-DIN SERIES

- Quick mount terminal blocks
- Current carrying capacity ranges from 16 to 400A, with a rated insulation voltage of 600V
- No separator is needed
- Available in three circuit types, and with a fuse or disconnecting switch
- Rugged construction with fire resistant (self-extinguishing) properties
- Large capacity types (BA811S and BA911S) can also mount directly on panel surfaces
- Marking accessories and dust covers are available
- UL recognized and CSA certified models are also available



GT3 / GT5P / GEIA SERIES

- Various time ranges (0.01 sec to 180 hours: depends on the model)
- Multiple operating modes (depends on the model)
ON delay, Interval ON, Flicker and One shot
- High accuracy and compact size
- Power and timing out LED indicators
- Worldwide approvals



FC5A SERIES *penra*-MicroSmart

- Two types of CPU models: All-in-one and slim
- AC or DC models (100-240V AC, 24V DC or 12-18V DC)
- Expand up to 512 I/O (slim type), 88 I/O (All-in-one) * 12-18V DC CPUs are NOT EXPANDABLE
- Maximum communications ports: SEVEN (slim type) and FIVE (All-in-one)
- Built-in MODBUS Master and Slave protocols and ASCII communications
- Floating-point math with double-word calculations
- HSC and PULSE outputs: Max 100KHz
- DIN rail or surface mounting
- Class 1 Div 2 rated for hazardous locations (UL1604) and Lloyd's approval for marine applications
- Worldwide approvals



HG3G (8.4" / 10.4" / 12.1")

- SVGA LCD with 65K Colors
- Super bright LCD: Color- 550 cd/m² (60,000 hours)
- 800x600 pixel resolution
- USB port. SD card logging. Video and audio input (HG4G)
- 12MB memory
- Built-in real-time clock
- RS232, RS485 or RS422 connection to host device
- Ethernet port, mini USB programming, fast speed CPU (3 seconds boot up)
- User communication functions enable connection to barcode readers and other serial devices
- Windows font support

HG2G (5.7")

- STN Analog LCD with 256 Colors
- Super bright LCD: Color- 350 cd/m², Monochrome- 500 cd/m²
- 320x240 pixel resolution
- Available in Color or monochrome
- Three bezel colors: Dark Gray, Light Gray and Silver
- 2MB memory, Very slim(36mm behind panel)
- Built-in real-time clock
- RS232, RS485 or RS422 connection to host device
- Ethernet port on selected models
- User communication functions enable connection to barcode readers and other serial devices
- Windows font support



PS5R SLIM SERIES POWER SUPPLY

- Compact and light weight
- Universal input
- Wide power range: 10W to 240W
- Meets SEMI F47 Sag immunity (120W & 240W)
- DIN rail or surface mount. Optional mounting bracket available for panel surface mount
- Over current & over voltage protection
- IP20 finger-safe, spring-up screw terminals
- RoHS compliant
- CE marked, TUV, c-UL, UL508, UL1310, UL1604



PS6R SLIM SERIES POWER SUPPLY (480W)

- Input voltage: 100 to 240V AC
(voltage range: 85 to 264V AC/110 to 350V DC)
- The terminals are captive spring-up screws. Ring or fork terminals can be used.
- 93% efficiency
- DC-DC converter enable .
- Finger-safe construction prevents electric shocks.
- Panel mounting bracket and side-mounting panel mounting bracket. Can be attached to a DIN rail or directly to a panel surface.
- CE marking (LVD, EMCD)
- UL508, c-UL (CSA C22.2 No.107.1), TÜV (EN60950-1, EN50178).
- EN61204-3 (Electromagnetic compatibility Class B)
- SEMI F47 approved (208V AC input only)