

Oil & Gas Industries relays & switches

In the oil and gas industry, relays and switches are critical components in instrumentation and control systems. They are used for various safety, monitoring, and operational control functions, often in challenging environments. Both relays and switches are essential for ensuring safe, reliable, and efficient operations in the oil and gas industry. They are designed to withstand harsh environmental conditions, including extreme temperatures, corrosive substances, and explosive atmospheres, making them vital components in the instrumentation and control systems of oil and gas facilities.

relays



A1 Series

With switching capacity up to 30A, the A1 Series is suitable for automotive and lamp accessories. Mounting methods are PC pin or quick connect. Contact arrangement options are 1A or 1C with coil power options of 1.2W or 1.5W. Dimensions are 22.8 x 15.3 x 25.8mm.



A2 Series

Offering two mounting flange options the A2 Series is also available with a shrouded version. Large switching capacity up to 40A with coil voltage ranging from 6VDC up to 48VDC. Coil power options are 1.6W or 1.9W. Contact ratings are 1A, 1B or 1C. Dimensions are 26.0 x 26.0 x 24.5mm.



A2H Series

Low temperature rise at full load is a hallmark of the A2H Series. With large switching capacity up to 50A and a choice of PC pin or quick connect mounting, this ruggedly constructed relay offers 1A or 1C contact arrangement with coil voltage option of 12VDC or 24VDC. Coil power is 1.6W. Dimensions are 26.0 x 26.0 x 22.7mm.



A3 Series

Large switching capacity up to 80A with PC pin or quick connect mounting, the A3 Series is QS-9000 and ISO-9002 certified. Offering both standard and heavy duty contact ratings, the A3 Series is available as 1A, 1B, 1C or 1U. Coil voltage choices are 12VDC or 24VDC, with coil power of 1.8W. Dimensions are 28.5 x 28.5 x 26.5mm.



J115F1 Series

The J115F1 Series relay offers heavy contact load up to 40A in a light-weight and small size package. This PC pin mounted relay offers 1A, 1B or 1C contact arrangement with coil voltage ranging from 5VDC up to 277VAC with DC coil power of .60W or .90W and AC coil power of .2VA. Dimensions are 31.7 x 26.9 x 20.3mm. UL Agency approval is E197852 and TÜV.



J151 Series

The J151 Series offers switching capacity up to 20A. With low coil power consumption and high contact load, the J151 Series has strong resistance to shock and vibration. Contact arrangements range from 1A to 4C. Coil voltage ranges from 12VDC up to 240VAC with DC coil power options of .90W, 1.4W or 1.5W and AC coil power options of 1.2VA, 2.0VA or 2.5VA. PC pin or solder lug mounting options. UL Agency approval is E197852.



J152 Series

The J152 Series offers switching capacity up to 10A. With low coil power consumption and high contact load, the J152 Series has strong resistance to shock and vibration. Contact arrangements include 2A, 3A, 4A, 2B, 3B, 4B, 2C, 3C, and 4C. Coil voltage ranges from 12VDC up to 220VAC with DC coil power of .90W and AC coil power of 1.2VA. The J152 offers PC pin or solder lug mounting options. UL Agency approval is E197851.

switches



BH Series

Available in both 16mm & 19mm, this IP65 vandal and splash resistant switch offer many choices of actuator styles including flush, round, raised, flush ring or dot illuminated, raised ring illuminated, flush international standby symbol illuminated, round ring or dot illuminated or raised dot illuminated. Body finish options include nickel plated brass, gold plated brass, brushed stainless steel or anodized aluminum in black, green, red, blue or yellow. The BH Series also offers a choice of solder lug, .110" quick connect or screw terminal termination. Bi-color LED options are red, yellow, green, blue, white and orange and many combinations of the same.



DH Series

Offering size options of 22mm, 25mm, 28mm and 30mm standard, the DH Series can be customized up to 40mm. Being both vandal and splash resistant, this panel mount switch is heavy-duty and rugged in construction. The DH Series is available as momentary or latching in both SPST and DPST, normally open and normally closed. Flush actuator styles offer non-illuminated, bi-color ring or dot illumination. Mushroom style actuators are available in red anodized aluminum in both dot illuminated or non-illuminated. Illumination color choices are red, yellow, green, blue, white and orange. LED voltage choices range from 6V to 220V. The DH Series is also available with UV protection to resist fading.



ME Series

The ME Series is an IP67 process sealed tactile switch offering both through-hole and surface mount options with a 350gF actuation force. With actuator and housing of PA6T Polyimide and silver plated stainless steel dome contact, the ME Series uses a silicon rubber internal seal providing truly sealed, one piece construction. Actuator color is standard black; contact factory for additional color options.



SM3 Series

Sub-miniature in size, the SM3 Series snap-action switch is UL/cUL certified. Actuator styles include pin plunger, simulated roller, short roller lever, long hinge lever and the standard hinge lever. The SM3 Series offers terminal options of .100" quick connect, solder lug, PC pin, right angle PC pin or left angle PC pin. Pole options include SPST normally open, SPST normally closed, or SPDT.



VM3 Series

The miniature VM3 Series snap-action switch is UL/cUL certified. Actuator styles include pin plunger, standard roller lever, simulated roller lever, short hinge lever, short roller lever, long hinge lever and standard hinge lever. The VM3 Series offers terminal options of .250" quick connect or .187" quick connect. Pole options include SPST normally open, SPST normally closed or SPDT. Now available in Latching and IP67!

CIT Relay & Switch validation test lab

CIT Relay & Switch has a sophisticated test lab for failure analysis and material testing, helping our customers solve their toughest problems. Our aim is to establish long-lasting relationships with our customers by providing comprehensive technical expertise using our state-of-the-art test lab. Providing accurate and concise solutions, we give our customers the best explanation about how their components perform. Contact a CIT Application Engineer to validate product suitability for your application with real-time live testing backed with data.



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CIT Relay & Switch delivers a comprehensive selection of ROHS-compliant electromechanical relays, switches and solid-state relays, designed to meet the demands of a wide variety of industries — from automotive and telecom to industrial automation, building systems, and beyond. We appreciate the opportunity to earn your business and demonstrate why companies across diverse sectors trust CIT for dependable performance, responsive service and consistent quality.

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