


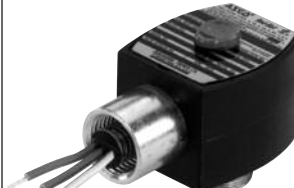


Important Note: One-piece molded epoxy RedHat II solenoids are a unique combination of coil and enclosure. When ordering some RedHat II options, it may be necessary to specify the appropriate catalog number prefixes for both the enclosure and the coil.

<p>Type 1 General Purpose Solenoids with Class F High-Temperature Coils</p>	<p>Enclosures:</p> <ul style="list-style-type: none"> Also meet Type 2 Dripproof, Types 3 and 3S Raintight, and Types 4 and 4X Watertight requirements. Supplied standard with 1/2" threaded conduit hub and built-in strain relief for leads. <p>Coils:</p> <ul style="list-style-type: none"> Insulation system for coil temperatures up to 311°F (155°C). ① For ambient temperature requirement, refer to specific Series and charts in Engineering Information Section. Suitable for 50 and 60 Hz. ② 	<p>Ordering Information:</p> <p>Supplied standard on all RedHat II valves.</p>	
<p>Type 1 General Purpose Solenoids with Class H High-Temperature Coils</p>	<p>Enclosures:</p> <ul style="list-style-type: none"> Same as Class F. <p>Coils:</p> <ul style="list-style-type: none"> Insulation system suitable for coil temperatures up to 356°F (180°C).① For ambient temperature requirements, refer to specific Series and charts in Engineering Information Section. Suitable for 50 and 60 Hz. ② 	<p>Ordering Information:</p> <p>Depending on wattage, use catalog number prefix "HT" or "HB" (e.g., HT8210H002).</p>	
<p>Panel Mount Type 1 General Purpose Solenoids with Class F or H High-Temperature Coils</p>	<p>Enclosures:</p> <ul style="list-style-type: none"> Same as above, but with provision for mounting on a panel (panel not included). <p>Coils:</p> <ul style="list-style-type: none"> Same as Class F or H above. 	<p>Ordering Information:</p> <p>For Class F coil, use catalog number prefix "GP" (e.g., GP8210G2) and specify voltage. For Class H coil, depending on wattage, use catalog number prefix "GPHT" or "GPHB" (e.g., GPHT8210G002) and specify voltage.</p>	
<p>Type 7 (A, B, C, and D) Explosionproof Solenoids with Class F High-Temperature Coils</p>	<p>Enclosures:</p> <ul style="list-style-type: none"> Also meets Types 3 and 3S Raintight, Types 4 and 4X Watertight, Types 6 and 6P Submersible, and Type 9 (E, F, and G) Dust Ignitionproof requirements. Refer to Engineering Information Section. <p>Coils:</p> <ul style="list-style-type: none"> Insulation systems suitable for coil temperatures up to 311°F (155°C). ① For ambient temperature requirements, refer to specific Series charts in Engineering Information Section. Suitable for 50 and 60 Hz. ② 	<p>Approvals:</p> <p>UL listed; CSA certified.</p> <p>Ordering Information:</p> <p>Use catalog number prefix "EF" (e.g., EF8210G002) and specify voltage.</p>	
<p>① UL limitations are 284°F (140°C) for Class F insulation systems and 320°F (160°C) for Class H insulation systems. ② Can be supplied for 50 Hz at a reduced voltage, which is standard throughout the world; i.e., 120/60, 110/50.</p>			

Optional Features





Electrical



<p>Type 7 (A, B, C, and D) Explosionproof Solenoids with Class H High-Temperature Coils</p>	<p>Enclosure:</p> <ul style="list-style-type: none"> Same as Class F Explosionproof Coil: Insulation system suitable for coil temperatures up to 356°F (180°C). ① For ambient temperature requirements, refer to specific Series and charts in Engineering Information Section. Suitable for 50 and 60 Hz. ② 	<p>Approvals: UL listed; CSA certified. Ordering</p> <p>Information: Depending on wattage, use catalog number prefix "EFHT" or "EFHB" (e.g., EFHT8210G002) and specify voltage.</p>	
<p>Type 7 (A, B, C, and D) Explosionproof Solenoids with Class F or H High-Temperature Coils</p>	<p>Enclosure:</p> <ul style="list-style-type: none"> Same as above, but with 316 stainless steel conduit hub and stainless steel base plate. <p>Coils:</p> <ul style="list-style-type: none"> Same as Class F or H Coil 	<p>ATEX Approved for: II 2G Ex d mb IIC T* Gb under SIRA 14ATEX1192X II 2D Ex mb tb IIIC t* Db IP67 under SIRA 14ATEX1192X</p> <p>IECEX Approved for: Ex d mb IIC T* Gb under IECEX SIR 14.0064X Ex mb tb IIIC T* Db IP67 under IECEX SIR 14.0064X</p> <p>*T-codes and temperature ratings will vary based on coil wattages</p> <p>Ordering Information: For Class F Coil, use catalog number prefix "EV" (e.g., EV8262H220) and specify voltage. For Class H coil, depending on wattage, use catalog number prefix "EVHT" or "EVHB" (e.g., EVHT8327G002) and specify voltage.</p>	
<p>Type 7 (A, B, C, and D) Low Power Solenoids with Class F DC Surge Suppression Coils</p>	<p>Enclosure:</p> <ul style="list-style-type: none"> Same as Class F Explosionproof coil. <p>Coils:</p> <ul style="list-style-type: none"> Built-in surge suppression diodes. Low power – 1.7 Watts. Class F insulation only. 	<p>Ordering Information: For Surge Suppression coils, use catalog number prefix "EFMF" or "EVMF" (e.g., EFMF8314H300), and specify voltage.</p> <p>Note: Surge Suppression coils are only available for Explosionproof Low Power coils.</p>	
<p>Open Frame Solenoids with Class F or H High-Temperature Spade Terminal Coils</p>	<ul style="list-style-type: none"> Valves with Open Frame solenoid construction are intended for use when a solenoid enclosure is not needed; e.g., mounting in a control cabinet. Same as Class F or H above, but with 1/4" spade terminals. Suitable for 50 and 60 Hz. ② 	<p>Ordering Information: For Class F coil, depending on wattage, use catalog number prefix "OFSF" or "OFSP" (e.g., OFSF8210G002) and specify voltage. For Class H coil, depending on wattage, use catalog number prefix "OFSS" or "OFST" (e.g., OFST8210G002) and specify voltage.</p> <p>Note: Spade Terminal Coils are not available above 250 volts AC or DC.</p>	
<p>Panel Mount Solenoids with Class F or H High-Temperature Spade Terminal Coils</p>	<p>Same as above, but with provision for mounting on a panel (panel not included).</p>	<p>Ordering Information: For Class F coil, use catalog number prefix "OPSF" or "OPSP" (e.g., OPSF8210G002) and specify voltage. For Class H coil, depending on wattage, use catalog number prefix "OPSS" or "OPST" (e.g., OPST8210G002) and specify voltage.</p> <p>Note: Spade Terminal Coils are not available above 250 volts AC or DC.</p>	

① UL limitations are 284°F (140°C) for Class F insulation systems and 320°F (160°C) for Class H insulation systems.





② Can be supplied for 50 Hz at a reduced voltage, which is standard throughout the world; i.e., 120/60, 110/50.

<p>Open Frame Solenoids with Class F or H High-Temperature Screw Terminal Coils</p>	<ul style="list-style-type: none"> Valves with Open Frame solenoid construction are intended for use when a solenoid enclosure is not needed; e.g., mounting in a control cabinet. ① Same as Class F or H above, but with #8 screws terminals. Suitable for 50 and 60 Hz. ② 	<p>Ordering Information: For Class F coil, depending on wattage, use catalog number prefix "OFKF" or "OFKP" (e.g., OFKF8210G002) and specify voltage. For Class H coil, depending on wattage, use catalog number prefix "OFKH" or "OFKB" (e.g., OFKH8210G002) and specify voltage. Note: Screw Terminal Coils are not available above 250 volts AC or DC.</p>	
<p>Panel Mount Solenoids with Class F or H High-Temperature Screw Terminal Coils</p>	<p>Coils:</p> <ul style="list-style-type: none"> Same as above, but with provision for mounting on a panel (panel not included). 	<p>Ordering Information: For Class F coil, depending on wattage, use catalog number prefix "OPKF" or "OPKP" (e.g., OPKP8210G002) and specify voltage. For Class H coil, depending on wattage, use catalog number prefix "OPKH" or "OPKB" (e.g., OPKH8210G002) and specify voltage. Note: Screw Terminal Coils are not available above 250 volts AC or DC. For replacement coil, order coil and kit number 276982.</p>	
<p>Junction Box Solenoids with Class F or H High-Temperature Spade or Screw Terminal Coils</p>	<ul style="list-style-type: none"> Enclosures meet Type 1 General Purpose, Type 2 Dripproof, Types 3 and 3S Raintight, and Types 4 and 4X Watertight requirements. Supplied standard with 1/2" threaded conduit hub and grounding provision. Must be ordered with spade or screw terminals. 	<p>Ordering Information: For Class F coil, depending on wattage, use catalog number prefix "JSF," "JSP," "JKE," or "JKP" (e.g., JSF8210G2) and specify voltage. For Class H coil, depending on wattage, use catalog number prefix "JSS," "JST," "JKH," or "JKB" (e.g., JKH8210G002) and specify voltage. Note: Junction Box Options are not available above 250 volts AC or DC.</p>	
<p>Class F General Purpose Only with Quick Disconnect Pin Connectors</p>	<ul style="list-style-type: none"> Available for wattages 10.1, 17.1, 11.6, and 22.6. VT, VB: Micro 4 pin anodized aluminum electrical termination. Electrical connection size: <ul style="list-style-type: none"> Dual keyway 1/2-20 UNF (AC) Single keyway M12 x 1 (DC) ZT, ZB: Mini 3 pin epoxy coated zinc electrical termination. Electrical connection size: <ul style="list-style-type: none"> 7/8-16 UNS-2A (AC & DC) 	<p>Ordering Information: For Class F coil, depending on wattage, use catalog number prefix VT, VB, ZT, or ZB. (e.g. VT8262H232) and specify voltage.</p>	
<p>① UL limitations are 284°F (140°C) for Class F insulation systems and 320°F (160°C) for Class H insulation systems. ② Can be supplied for 50 Hz at a reduced voltage, which is standard throughout the world; i.e., 120/60, 110/50.</p>			

Optional Features

Electrical



<p>Class F or H High-Temperature Coils with DIN Connections</p>	<ul style="list-style-type: none"> • Meets ISO 4400/DIN 43650 requirements. • Class F insulation system suitable for coil temperatures up to 311°F (155°C). ① <i>For ambient temperature requirements, refer to specific Series and charts in Engineering Information Section.</i> • Class H insulation system suitable for coil temperatures up to 356°F (180°C). ① <i>For ambient temperature requirements, refer to specific Series and charts in Engineering Information Section.</i> • Enclosure protection with DIN connector equivalent to Types 1 and 4. • Suitable for 50 and 60 Hz. ② 	<p>Ordering Information: For Class F Coil, depending on wattage, use catalog number prefix "SC" or "SD" (e.g., SC8210G002) and specify voltage. For Class H coil, depending on wattage, use catalog number prefix "SU" or "SV" (e.g., SU8210G002) and specify voltage. Note: Optional DIN-type strain-relief connector kit includes a gasket and mounting screw. Outlet accommodates cable with O.D. of 0.310" to 0.400". Note: DIN Connection Coils are not available above 250 volts AC or DC. Must be ordered separately as Kit No. K236034. For replacement coil, order coil and Kit No. 258631.</p>	
<p>Junction Box for Class F or H Coils</p>	<p>Junction box (shown installed on RedHat II solenoid) is a zinc coated steel housing with two 7/8" knock-outs for through wiring. UL listed when ordered factory assembled. Also available, without UL listing, as a kit with grounding screw for field installation.</p>	<p>Ordering Information: For factory assembly, add prefix "JB" to Valve Catalog Number. For kit, use number 272140-001*.</p>	
<p>Sub-Miniature Coils for Series 8256, 8356, 8380, 8401, and 8551 Class F High-Temperature Molded Coils with DIN Connection</p>	<p>These sub-miniature coils meet 3 x DIN 46244 requirements.</p> <ul style="list-style-type: none"> • Insulation system suitable for coil temperatures up to 311°F (155°C). ① <i>For ambient temperature requirements, refer to specific Series and charts in Engineering Information Section.</i> • Suitable for 50 and 60 Hz. ② • "Enclosure Protection" with DIN connector equivalent to Types 1 and 4. 	<p>Ordering Information: Use catalog prefix "SC" (e.g., SC8256A001V) and specify voltage. Note: Optional DIN-type strain-relief connector kit includes a gasket and mounting screw. Outlet accommodates cables with O.D. of 0.310" to 0.400". Must be ordered separately as Kit No. 226061-001*.</p>	
<p>1/2" Threaded Conduit Hubs for Series 8256, 8356, 8380, 8401, and 8551</p>	<p>These conventional threaded hubs allow connection with 1/2" BX cable. Can be supplied with leaded coil only. Kit includes gasket and attaching screw.</p>	<p>Ordering Information: Order separate Kit No. 224735-001*.</p>	
<p>① UL limitations are 284°F (140°C) for Class F insulation systems and 320°F (160°C) for Class H insulation systems. ② Can be supplied for 50 Hz at a reduced voltage, which is standard throughout the world; i.e., 120/60, 110/50.</p>			