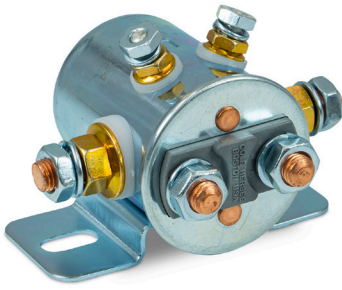


CONTINUOUS-DUTY SPDT SERIES

16 V DC and 32 V DC Max Changeover Solenoid Relays



24401



24401-04-BX



24401-01-BX

Designed for forward and reverse systems, including those in forklift trucks, electric golf carts, and winches, these Continuous-Duty SPDT Series Changeover Solenoid Relays feature normally closed (NC) contacts rated for 35 A maximum continuous current and normally open (NO) contacts rated for 85 A maximum continuous current.

These specialty Cole Hersee brand continuous-duty solenoid relays are available in various configurations, including 16 V max insulated or grounded models with a 12 V coil or a 32 V max insulated model with a 24 V coil.

Web Resources

Download 2D print, installation guide and technical resources at: [littelfuse.com/ContDuty](https://www.littelfuse.com/ContDuty)

Specifications

Max Voltage Rating:	16, 32 VDC
Current Rating Continuous:	Normally Closed Contacts: 35 A Normally Open Contacts: 85 A
Coil Voltage:	12, 24 VDC
Circuitry:	SPDT
Housing:	Plated Steel Housing
Contacts:	Normally Open/ Normally Closed
Recommended Torque:	#10-32 = 15 IN-LBS [1.69 Nm] 5/16-24 = 35 IN-LBS [3.95 Nm]
Coil Terminals:	Steel Plated Stud #10-32
Normal Position:	Cir #1 Normally Closed Cir #2 Normally Open

Applications

- Electric Golf Carts
- Forklift Trucks
- Winches
- Lawn Tractors

Features and Benefits

- 35 A (NC) and 85 A (NO) maximum continuous current ratings
- Options include 16 V max versions with a 12 V insulated or grounded coil and a 32 V max model with a 24 V insulated coil
- Plated steel housing offers a robust design for use in harsh automotive environments
- 5/16"-24 copper stud input terminals
- #10-32 steel plated stud coil terminals
- Lstyle flat bracket with holes of 5/16" x 19/32" (7.9 x 15.1 mm) on 2-13/64" (56 mm) centers
- Included hardware (hex nuts and lock washers) may be assembled or bagged depending on the model number

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Ordering Information

PART NUMBER	DESCRIPTION	COIL TYPE	COIL IMPEDANCE	HARDWARE	POWER TERMINALS	MOUNTING METHOD
24401	16 V DC Max Changeover Solenoid Relay with 12 V DC Insulated Coil	Insulated	17.5 Ω	Bagged, 4x Hex Nut 5/16-24 4x Lock Washer 5/16 2x Hex Nut #10-32 2x Lock Washer Size #12	Copper Stud 5/16"-24	BRACKET STYLE "L" FLAT with holes of 5/16" x 19/32" (7.9 x 15.1 mm) on 2 13/64" (56 mm) centers
24401-01	16 V DC Max Changeover Solenoid Relay with 12 V DC Grounded Coil	Grounded	17.5 Ω	Assembled, 4x Hex Nut 5/16-24 4x Lock Washer 5/16 1x Hex Nut #10-32 1x Lock Washer Size #12	Copper Stud 5/16"-24	BRACKET STYLE "L" FLAT with holes of 5/16" x 19/32" (7.9 x 15.1 mm) on 2 13/64" (56 mm) centers
24401-04	16 V DC Max Changeover Solenoid Relay with 12 V DC Insulated Coil and External Sealant	Insulated	17.5 Ω	Assembled, 4x Hex Nut 5/16-24 4x Lock Washer 5/16 2x Hex Nut #10-32 2x Lock Washer Size #12	Copper Stud 5/16"-24	BRACKET STYLE "L" FLAT with holes of 5/16" x 19/32" (7.9 x 15.1 mm) on 2 13/64" (56 mm) centers
24402	32 V DC Max Changeover Solenoid Relay with 24 V DC Insulated Coil	Insulated	71 Ω	Assembled, 4x Hex Nut 5/16-24 4x Lock Washer 5/16 2x Hex Nut #10-32 2x Lock Washer Size #12	Copper Stud 5/16"-24	BRACKET STYLE "L" FLAT with holes of 5/16" x 19/32" (7.9 x 15.1 mm) on 2 13/64" (56 mm) centers
24401-01-BX	16 V DC Max Changeover Solenoid Relay with 12 V DC Grounded Coil - Boxed	Grounded	17.5 Ω	Assembled, 4x Hex Nut 5/16-24 4x Lock Washer 5/16 1x Hex Nut #10-32 1x Lock Washer Size #12	Copper Stud 5/16"-24	BRACKET STYLE "L" FLAT with holes of 5/16" x 19/32" (7.9 x 15.1 mm) on 2 13/64" (56 mm) centers
24401-04-BX	16 V DC Max Changeover Solenoid Relay with 12 V DC Insulated Coil and External Sealant - Boxed	Insulated	17.5 Ω	Assembled, 4x Hex Nut 5/16-24 4x Lock Washer 5/16 2x Hex Nut #10-32 2x Lock Washer Size #12	Copper Stud 5/16"-24	BRACKET STYLE "L" FLAT with holes of 5/16" x 19/32" (7.9 x 15.1 mm) on 2 13/64" (56 mm) centers
24401-BX	16 V DC Max Changeover Solenoid Relay with 12 V DC Insulated Coil - Boxed	Insulated	17.5 Ω	Bagged, 4x Hex Nut 5/16-24 4x Lock Washer 5/16 2x Hex Nut #10-32 2x Lock Washer Size #12	Copper Stud 5/16"-24	BRACKET STYLE "L" FLAT with holes of 5/16" x 19/32" (7.9 x 15.1 mm) on 2 13/64" (56 mm) centers
24402-BX	32 V DC Max Changeover Solenoid Relay with 24 V DC Insulated Coil - Boxed	Insulated	71 Ω	"Assembled, 4x Hex Nut 5/16-24 4x Lock Washer 5/16 2x Hex Nut #10-32 2x Lock Washer Size #12"	Copper Stud 5/16"-24	BRACKET STYLE "L" FLAT with holes of 5/16" x 19/32" (7.9 x 15.1 mm) on 2 13/64" (56 mm) centers