

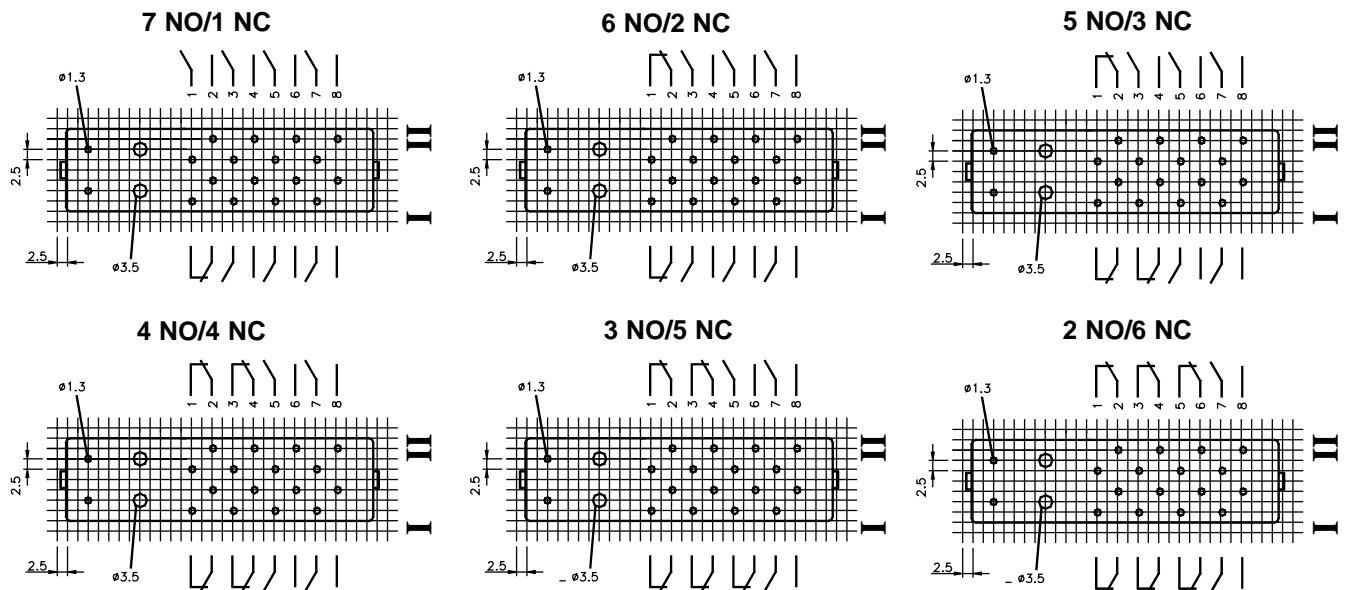
Safety Relay 5603 Data

Relay Data				Ordering Information					
Rated Voltage	Voltage Range	Coil Resistance	2 NO/6 NC Type	3 NO / 5 NC Type	Coil Resistance	4 NO / 4 NC Type	5 NO / 3 NC Type	6 NO / 2 NC Type	7 NO / 1 NC Type
6V	4.2 - 9.6V	21 Ω	56.OA03.0626□	56.OA03.0635□	29 Ω	56.OA03.0644□	56.OA03.0653□	56.OA03.0662□	56.OA03.0671□
12V	8.4 - 19.2V	88 Ω	56.OA03.1226□	56.OA03.1235□	112 Ω	56.OA03.1244□	56.OA03.1253□	56.OA03.1262□	56.OA03.1271□
24V	16.8 - 38.4V	370 Ω	56.OA03.2426□	56.OA03.2435□	460 Ω	56.OA03.2444□	56.OA03.2453□	56.OA03.2462□	56.OA03.2471□
48V	33.6 - 76.8V	1400 Ω	56.OA03.4826□	56.OA03.4835□	1800 Ω	56.OA03.4844□	56.OA03.4853□	56.OA03.4862□	56.OA03.4871□
60V	42.0 - 96.0V	2230 Ω	56.OA03.6026□	56.OA03.6035□	2880 Ω	56.OA03.6044□	56.OA03.6053□	56.OA03.6062□	56.OA03.6071□
110V	77.0 - 176.0V	7150 Ω	56.OA03.1126□	56.OA03.1135□	9500 Ω	56.OA03.1144□	56.OA03.1153□	56.OA03.1162□	56.OA03.1171□

Contact Material, Example: AgCdO+.2μmAu
 AgNi10+.2μmAu
 AgNi10+5μmAu

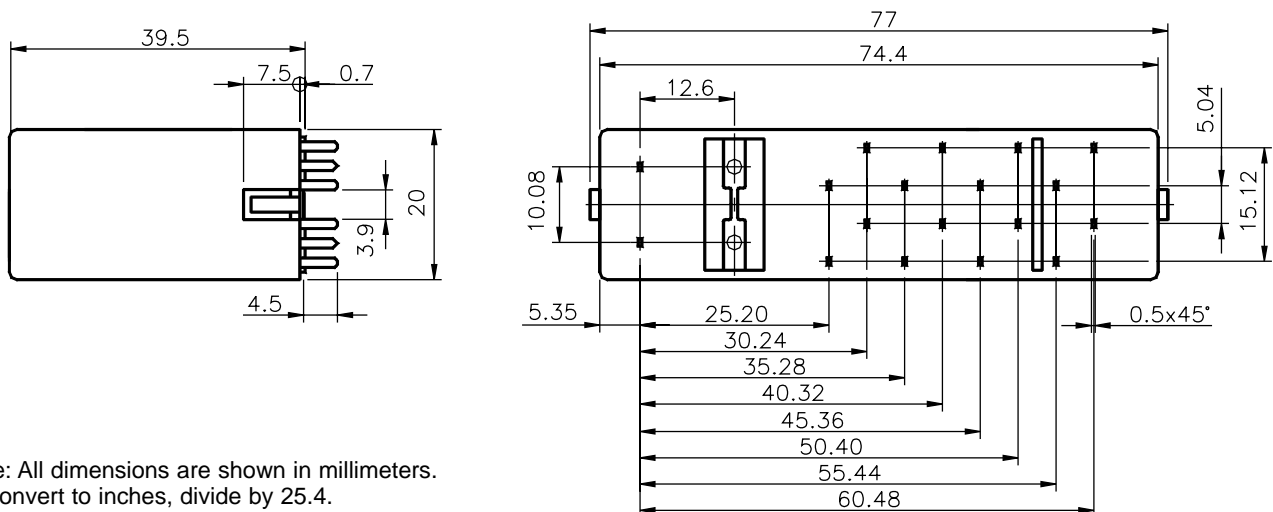
Footprints

(Note: Dimensions on the following footprints are not shown at their actual size.)



Dimensions

(Note: Shown at their actual size.)



Note: All dimensions are shown in millimeters. To convert to inches, divide by 25.4.

SAFETY RELAY MODULES
8 Amp Contacts,
35 or 32mm DIN Rail

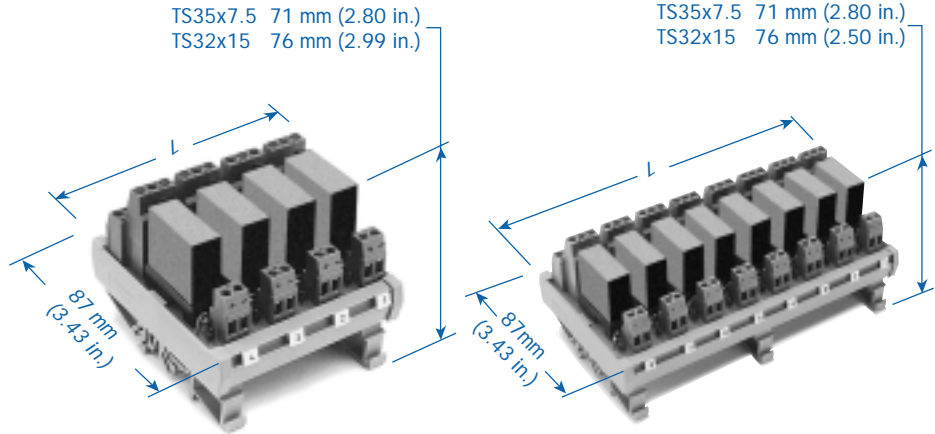
Isolated Channel
Double Pole Double Throw

Bussed Channel
Double Pole Double Throw

Altech Safety Relay Modules utilize Relays with Force-Guided-Contacts that meet or exceed international standards, TÜV, SA, SUVA, and UL. They are designed to protect man and machine as specified in OSHA FR1910 Regulations, a mandatory requirement of the European Machinery Directive EMD 89.392 EEC. The Safety Relays are used in Safety Devices such as Emergency Stop Modules, Safety Gate Monitors, 2-Hand Safety Modules, etc.

This series of Safety Relay Modules are Double Pole, Double Throw configurations, and are available as 1, 2, 4, 8 and 16 isolated channels and 8 and 16 bussed channels with 12 or 24 VDC coils. Isolated channels allow control of each relay by a different logic system, if necessary. There are two inputs for each relay coil per channel. Bussed channels allow high density packaging with a common input for all relays. Safety Relay Modules may be ordered with three different types of relay contact material, depending on the actual load current.

- Screw-Cage Clamp Connection
- LED Coil Voltage Indicator
- Reverse DC Polarity LED Protection
- Surge Suppression With DC Coils
- Industry Standard Relays
- DIN Rail Mount, Panel Mount Available



Isolated Channels (No Bus)	Length (L) mm (in.)	Type/Cat. No.	Type/ Cat. No.	Type/Cat. No.
1 Channel, Coil Voltage	21 (0.83)			
12V		8949.2C	8949.2N	8949.2S
24V		8951.2C	8951.2N	8951.2S
2 Channel, Coil Voltage	40 (1.57)			
12V		8949.3C	8949.3N	8949.3S
24V		8951.3C	8951.3N	8951.3S
4 Channel, Coil Voltage	79 (3.11)			
12V		8955.2C	8955.2N	8955.2S
24V		8956.2C	8956.2N	8956.2S
8 Channel, Coil Voltage	157 (6.18)			
12V		8955.3C	8955.3N	8955.3S
24V		8956.3C	8956.3N	8956.3S
16 Channel, Coil Voltage	311 (12.24)			
12V		8963.2C	8963.2N	8963.2S
24V		8972.2C	8972.2N	8972.2S
Bussed Channels	Length (L) mm (in.)	Type/Cat. No.	Type/Cat. No.	Type/Cat. No.
8 Channel, Bussed DC+	125 (4.92)			
12V		8923.2C	8923.2N	8923.2S
24V		8924.2C	8924.2N	8924.2S
8 Channel, Bussed DC-	125 (4.92)			
12V		8923.3C	8923.3N	8923.3S
24V		8924.4C	8924.4N	8924.4S
16 Channel, Bussed DC+	248 (9.76)			
12V		8926.2C	8926.2N	8926.2S
24V		8926.3C	8926.3N	8926.3S
16 Channel, Bussed DC-	248 (9.76)			
12V		8927.2C	8927.2N	8927.2S
24V		8927.3C	8927.3N	8927.3S

Contact Material: AgCdO+0.2µmAu Contact Ratings: 8A(2x5A) 110DC, 250VAC	Contact Material: AgNi10+0.2µmAu Contact Ratings: 8A(2x5A) 110DC, 250VAC	Contact Material: AgNi10+5µmAu Contact Ratings: 8A(2x5A) 110DC, 250VAC
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