## CM Series

## Most Diverse and Flexible Line of Coded Magnetic Safety Interlock Switches and Controllers

- Combine door switch monitoring and E-stop monitoring by using the CM-S41 controller
- Monitor is single switch to CAT4 with the CM-S30 controller
- Monitor multiple switches to CAT3 using CM-S4 or CM-S30 controllers
- Monitoring multiple switches on individual channels can be achieved by using the CM-S21 or CM-S41 controllers. Easily expand your system by using the CM-SE expansion module.
- All CM switches are rated IP67
- Stainless steel switches are available for harsh environments
- A Rapid Delivery Product: Select models are available for shipment today or within 3 to 5 days


Conforms to EN292, EN60204-1, EN954-1, EN1088, EN60947-5-3, EN947-5-3, EN50081, EN50082, EN61000-6-2, ISO 13849-1
UL and C-UL listed, TUV certified

## Description

The CM series of controllers and coded magnetic switches offers the most flexibility and widest range of options available. The CM series is comprised of two basic technologies.

## Controller Technologies

## 2-Wire Single Channel Controllers

The CM-S41 and CM-S21 controllers monitor the 2-wire magnetically coded switches. The CM-S41 and CM-S21 controllers use a patented technology which allows them to monitor the 2-wire or single channel switches up to Category 3. The ability to monitor just a single channel enables the CM-S41 and CM-S21 to easily monitor multiple switches and provide individual status of each channel. Both of these controllers are compatible with the CM-SE expansion module.

## Dual Channel Controllers

The CM-S4 and CM-S30 controllers are designed to monitor conventional read-style, magnetically-coded switches with $1 \mathrm{~N} / \mathrm{O}$ $+1 \mathrm{~N} / \mathrm{C}$ contacts. The CM-S4 controller can monitor up to four switches to category 3. The CM-S4 controller offers status indication for each individual switch. The CM-S30 controller can monitor one switch to category 4 , or two switches to category 3. The CMS30 control unit is capable of monitoring up to 30 conventional read style switches in series, but does not conform to category 3 when used with more than two switches.

## Switch Categories

The CM series of switches are all magnetically coded.
The CM series of switches fall into three main categories:

1. 2-wire Coded Magnetic
2. Conventional Read Style $1 \mathrm{~N} / \mathrm{C}+1 \mathrm{~N} / \mathrm{O}$ contacts
3. Universal Read Style $2 \mathrm{~N} / \mathrm{C}+1 \mathrm{~N} / \mathrm{O}$ contacts

The 2-wire Coded Magnetic Switches are only compatible with the CM-S21, CM-S41 and CM-SE control units and expansion module. The Conventional Read Style Switches are compatible with the CM-S4 and CM-S30 controllers. The Universal Read Style Switches are unique in design, all three contacts are rated for safety. This means that Universal Read Style switches can be used with the CM-S4 or CM-S30 Controllers, or conventional safety monitoring relays such as the G9SA, SR103 or G9SX-AD, -BC. This allows the Universal Read Style Switches to be run in series with E-stop switches or other mechanical door switches. Typically a category 2 rating would be applied to a system that incorporates multiple switches wired in series to a standard safety monitoring relay. A risk assessment should always be performed by properly trained and authorized personnel.

## Switch Specifications

| Electrical | $\begin{aligned} & \text { CM-S1, CM-S2, } \\ & \text { CM-S3 } \end{aligned}$ | CM-S5, CM-S6 | $\begin{aligned} & \text { CM-S221, CM- } \\ & \text { S521, CM-S621 } \end{aligned}$ | CM-S11 | CM-S31 | $\begin{aligned} & \hline \text { CM-S321, } \\ & \text { CM-S421 } \\ & \hline \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Safety Contacts: | $1 \mathrm{~N} / \mathrm{C}+1 \mathrm{~N} / \mathrm{O}$ | 1 N/C + 1 N/O | $2 \mathrm{~N} / \mathrm{C}+1 \mathrm{~N} / \mathrm{O}$ | Current Sensing Circuit | Current Sensing Circuit | $2 \mathrm{~N} / \mathrm{C}+1 \mathrm{~N} / \mathrm{O}$ |
| N/C Operating Distance: | CM-S1 - <br> $\mathrm{On}=3 \mathrm{~mm}$; <br> Off $=8 \mathrm{~mm}$ <br> CM-S2 and <br> CM-S3 - <br> On = 6 mm ; <br> Off $=13 \mathrm{~mm}$ | $\begin{aligned} & \mathrm{On}=7 \mathrm{~mm} ; \\ & \mathrm{Off}=10 \mathrm{~mm} \end{aligned}$ | $\begin{aligned} & \text { On }=7 \mathrm{~mm} ; \\ & \text { Off }=10 \mathrm{~mm} \end{aligned}$ | $\begin{aligned} & \text { On =5-7 mm; Off } \\ & =8-12 \mathrm{~m} \end{aligned}$ | $\begin{aligned} & \text { On =5-7 mm; Off } \\ & =8-12 \mathrm{~mm} \end{aligned}$ | $\begin{aligned} & \mathrm{On}=7 \mathrm{~mm} ; \\ & \mathrm{Off}=10 \mathrm{~mm} \end{aligned}$ |
| Minimum Gap: | 1 mm | 1 mm | 1 mm | 1 mm | 1 mm | 1 mm |
| Max Switched Current/ Voltage: | $500 \mathrm{~mA} / 24 \mathrm{~V}$ | $300 \mathrm{~mA} / 24 \mathrm{~V}$ | $300 \mathrm{~mA} / 24 \mathrm{~V}$ |  |  | $300 \mathrm{~mA} / 24 \mathrm{~V}$ |
| Mechanical |  |  |  |  |  |  |
| Mounting: | $2 \times \mathrm{M} 4$ <br> screws supplied | $\begin{aligned} & 2 \times \mathrm{M} 4 \\ & \text { screws supplied } \end{aligned}$ | $2 \times \mathrm{M} 4$ <br> screws supplied | $\begin{array}{\|l\|} \hline 2 \times \mathrm{M} 4 \\ \text { screws supplied } \\ \hline \end{array}$ | $2 \times \mathrm{M} 4$ <br> screws supplied | $3 \times \mathrm{M} 4$ <br> screws supplied |
| Case Material: | Glass filled PPS | ABS | ABS | ABS | 316 stainless steel | 316 stainless steel |
| Max Wire Size: | Pre-wired cable to 5 m | Pre-wired cable to 10 m | Pre-wired cable to 10 m | Pre-wired cable to 10 m | Pre-wired cable to 10 m | Pre-wired cable to 5 m , 6-pin micro AC connector |
| Weight: | 230 g (8.1 oz.) | 207 g (8.1 oz.) | 230 g (8.1 oz.) | 207 g (7.3 oz.) | 265 g (9.3 oz.) | 545 g (19.2 oz.) |
| Color: | Red | Red | Red | Red | Stainless | Stainless |
| Mechanical Life: | $10^{6}$ | $10^{6}$ | $10^{6}$ | $10^{6}$ | $10^{6}$ | $10^{6}$ |
| Environmental |  |  |  |  |  |  |
| Protection: | IP67 (NEMA 6) | IP67 (NEMA 6) | IP67 (NEMA 6) | IP67 (NEMA 6) | IP67 (NEMA 6) | IP67 (NEMA 6) |
| Operating Temperature: | $\begin{aligned} & \hline-10 \text { to } 55^{\circ} \mathrm{C} \\ & \left(14 \text { to } 131^{\circ} \mathrm{F}\right) \end{aligned}$ | $\begin{aligned} & -10 \text { to } 55^{\circ} \mathrm{C} \\ & \left(14 \text { to } 131^{\circ} \mathrm{F}\right) \end{aligned}$ | $\begin{aligned} & -10 \text { to } 55^{\circ} \mathrm{C} \\ & \left(14 \text { to } 131^{\circ} \mathrm{F}\right) \end{aligned}$ | $\begin{aligned} & -10 \text { to } 55^{\circ} \mathrm{C} \\ & \left(14 \text { to } 131^{\circ} \mathrm{F}\right) \end{aligned}$ | $\begin{aligned} & \hline-10 \text { to } 55^{\circ} \mathrm{C} \\ & \left(14 \text { to } 131^{\circ} \mathrm{F}\right) \end{aligned}$ | Connector Models: -10 to $55^{\circ} \mathrm{C}$ (14 to $131^{\circ} \mathrm{F}$ ) Integrated Cables: -10 to $95^{\circ} \mathrm{C}$ ( 14 to $203^{\circ} \mathrm{F}$ ) |
| Humidity: | $95 \% \mathrm{RH}$ at $55^{\circ} \mathrm{C}\left(131^{\circ} \mathrm{F}\right)$ |  |  |  |  |  |
| Compliance |  |  |  |  |  |  |
| Standards: | EN292, EN60204-1, EN954-1, EN1088, EN60947-5-3, EN947-5-3, EN50081, EN50082, EN61000-6-2 |  |  |  |  |  |
| Approvals/Listings: | CE marked for all applicable directives, UL and C-UL. TUV certified: CM-S1, CM-S2, CM-S3, CM-S11 and CM-S31. |  |  |  |  |  |

Specifications are subject to change without notice.
Note: The safety contacts of the STI switches are described as normally closed (N/C) i.e., with the guard closed, actuator in place, and the machine able to be started.

Control Unit Specifications

| Electrical | CM-S4 | CM-S30 | CM-S41, CM-S21 \& CM-SE |
| :---: | :---: | :---: | :---: |
| Power Supply: | 24 VAC/DC $\pm 10 \%$ | 24 VAC/DC $\pm 10 \%$ | $\begin{aligned} & \text { CM-S41 - } 24 \text { VAC/DC, } 110 / 230 \text { VAC } \\ & \text { CM-S21 \& CM-SE }-24 \text { VAC/DC } \end{aligned}$ |
| Power Consumption: | 2.4 VA typical, 0.25 A quick acting | 120 mA | $\begin{aligned} & \text { CM-S41 - } 6 \mathrm{VA} ; \\ & \text { CM-S21 \& CM-SE }-3 \mathrm{VA} \end{aligned}$ |
| Input Fuse: | 500 mA resetable | 750 mA resetable | 500 mA resetable |
| Safety Inputs: | $1 \mathrm{~N} / \mathrm{O}+1 \mathrm{~N} / \mathrm{C}$ | $1 \mathrm{~N} / \mathrm{O}+1 \mathrm{~N} / \mathrm{C}$ | $\begin{aligned} & \text { CM-S41 - } \\ & 4 \text { CM-S11 or CM-S31 switches } \\ & \text { CM-S21 - } \\ & 2 \text { CM-S11 or CM-S31 switches } \\ & \text { CM-SE - } 5 \text { CM-S11 or CM-S31 switches } \end{aligned}$ |
| Max Cable Length: | - | - | 100 m (328 ft.) |
| Max Input Resistance: | Contact factory | Contact factory | Contact factory |
| Relay Outputs: | 1 N/O safety +1 N/O aux. | 2 N/O safety +1 N/C aux. | CM-S41 \& CM-S21 - 2 N/O; CM-SE - N/A |
| Max Switched Current/Voltage: | $4 \mathrm{~A} / 24 \mathrm{VAC} / \mathrm{DC}$ | $3 \mathrm{~A} / 24 \mathrm{VAC/DC}$ | 4 A / 230 VAC; 2 A / 24 VDC (resistive) |
| Min Switched Current/Voltage: | $4 \mathrm{~mA} / 12 \mathrm{~V}$ | $4 \mathrm{~mA} / 12 \mathrm{~V}$ | $10 \mathrm{~V} / 10 \mathrm{~mA}$ |
| Impulse Withstand Voltage: | 250 V | 250 V | 250 V |
| Max Drop-Out Time: | 18 ms | 18 ms | Deactivation by sensor 13 mS |
| Max Output Fuse: | 4 A quick acting | 4 A quick acting | $\mathrm{AC}=5 \mathrm{~A} ; \mathrm{DC}=2.5 \mathrm{~A}$; quick acting |
| Reset Mode: | Automatic | Automatic/Manual, monitored | Monitored manual or automatic |
| External Device Monitoring: | N/C loop between Y1 and Y2 | Between Y1, Y2, Y3 | N/C loop between X1 and X2 |
| Mechanical |  |  |  |
| Mounting: | 35 mm (1.38 in.) DIN rail | 35 mm (1.38 in.) DIN rail | 35 mm (1.38 in.) DIN rail |
| Case Material: | Polyamid PA6.6 | Polyamid PA6.6 | Polycarbonate |
| Max Wire Size: | $2 \times 2.5 \mathrm{~mm}^{2}$ (12 AWG) | $1 \times 2.5 \mathrm{~mm}^{2}$ (14 AWG) | $1 \times 2.5 \mathrm{~mm}^{2}$ stranded, $1 \times 4 \mathrm{~mm}^{2}$ solid |
| Weight: | 240 g (8.5 oz.) | 230 g (8.1 oz.) | $\begin{aligned} & \text { CM-S41 - } 575 \mathrm{~g}(20.3 \mathrm{oz} .) \\ & \mathrm{CM} \text {-S21 } 183 \mathrm{~g}(6.5 \mathrm{oz} .) \\ & \mathrm{CM}-\mathrm{SE}-135 \mathrm{~g}(4.8 \mathrm{oz} .) \\ & \hline \end{aligned}$ |
| Color: | Grey | Red/Grey | Red |
| Indication: | $\begin{aligned} & \text { U: Green = On } \\ & \text { Outputs Open: Red = On } \\ & \text { Outputs Closed: Green = On } \\ & \text { D11, D12, D21, D22: Green = Gate closed } \\ & \text { D31, D32, D41, D42: Red = Gate open } \\ & \hline \end{aligned}$ | $\begin{aligned} & \text { Green }=\text { Power On } \\ & \text { Green }=\text { K1 On } \\ & \text { Green }=\text { K2 On } \end{aligned}$ | Power = Red <br> Outputs Closed: Green = On <br> Outputs Open: No Light = Off <br> Gate Closed: Yellow = On <br> Gate Open: No Light = Off |
| Mechanical Life: | $3 \times 10^{7}$ | $1 \times 10^{7}$ | $1 \times 10^{6}$ |
| Environmental |  |  |  |
| Protection: | Housing IP40, Terminals IP20 | Housing IP40, Terminals IP20 | Housing IP40, Terminals IP20 |
| Operating Temperature: | 0 to $50^{\circ} \mathrm{C}$ ( 32 to $122^{\circ} \mathrm{F}$ ) | 0 to $55^{\circ} \mathrm{C}$ ( 32 to $131^{\circ} \mathrm{F}$ ) | 10 to $55^{\circ} \mathrm{C}\left(50\right.$ to $\left.131^{\circ} \mathrm{F}\right)$ |
| Humidity: | 95\% | 93\% | 85\% |
| Compliance |  |  |  |
| Standards: | EN292, EN60204-1, ISO 13849-1, EN1088, EN60947-5-3, EN947-5-3, EN50081, EN50082, EN61000-6-2 |  | EN292, EN60204-1, EN954-1,EN1088, EN60947-5-3, EN947-5-3, EN50081, EN50082, EN61000-6-2 |
| Approvals/Listings: | CE marked for all applicable directives, UL and C-UL, TUV (TUV pending for CM-S30) |  |  |
| Safety Category: | Cat 3 per EN954-1 (internal operation) | Cat 4 per ISO 13894-1 (internal operation) | Cat 3 per EN954-1 (internal operation) |

Specifications are subject to change without notice.
Note: The safety contacts of the STI switches are described as normally closed (N/C) i.e., with the guard closed, actuator in place, and the machine able to be started.

## Applications

## 2-Wire Single Channel Controllers

## CM-S41 Control Unit

The CM-S41 is a combined Safety Switch and E-Stop control unit. Along with the ability to monitor up to four, 2-wire CM Series safety switches, it can also monitor the normally closed contacts of emergency stop buttons or mechanical safety switches in dual channel control circuits.

The CM-S41 has 2 normally open safety contact outputs and 1 normally closed auxiliary output, an external reset/proving circuit and LED indication for "Power", "Run" and the status of each activated gate switch.

## CM-S21 Control Unit

The CM-S21 control unit is a 24 VAC/DC system that can monitor up to 2 CM Series safety switches.

The CM-S21 has 2 normally open safety contact outputs and 1 normally closed auxiliary output, an external reset/proving circuit and LED indication for "Power", "Run" and the status of each activated gate switch.

## CM-SE Extender Module

The CM-SE expansion module is a $24 \mathrm{VAC} / \mathrm{DC}$ unit that can be added to either the CM-S41 or CM-S21 to monitor an additional 5 CM Series safety switches. Connection to the main control unit is by a simple 2-wire bus connection. The status of each guard switch is shown by the YELLOW LED's. Additional CMS-E modules can be added to monitor larger systems.

CM-S41 Application Diagram



CM-S21 Application Diagram


CM-SE Application Diagram


## Applications (continued)

## Dual Channel Controllers

## CM-S4 Control Unit

The CM-S4 controller is capable of monitoring up to four, magnetically coded switches with $1 \mathrm{~N} / \mathrm{O}+1 \mathrm{~N} / \mathrm{C}$ contacts up to category 3 according to EN954-1. The CM-S4 has a dedicated dual channel input for each switch and has LED status indicators for each channel. The CM-S4 has 1 N/O safety contact and 1 N/O Aux contact. External Device Monitoring (EDM) is available using Y1,Y2 inputs.

## CM-S30 Control Unit

The CM-S30 controller is capable of monitoring one magnetically coded switch with $1 \mathrm{~N} / \mathrm{O}+1 \mathrm{~N} / \mathrm{C}$ contacts up to category 4, or two switches to category 3 according to ISO 13489-1. The CM-S30 control unit is capable of monitoring up to 30 conventional read style switches in series, but does not conform to category 4 when used with more than two switches. The CM-S30 controller has 2 N/O safety contacts and 1 N/C Auxiliary contact. External Device Monitoring (EDM) is available using $Y 1, Y 2$ inputs.

## CM-S4 Application Diagram


*23-24 should not be used as safety output.



CM-S30 Application Diagram (Cat 4)


N (0 Volt)

## 2-Wire Coded Magnetic Switches

CM-S11


CM-S31


Select models are available for Rapid Delivery.
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Dimensions (continued)

## Conventional Read Style Switches

CM-S1


CM-S2


## CM-S3



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Dimensions (continued)
Conventional Read Style Switches (continued)
CM-S5


CM-S5 and CM-S521


## CM-S6



CM-S6 and CM-S621


SWITCH


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Dimensions (continued)

## Universal Read Style Switches

CM-S221


## CM-S321/CM-S421




CM-S321 and CM-S421
Note: The CM-S321 includes a backing plate (not shown).



Dimensions (continued)

## Control Units

CM-S4



CM-S21 \& CM-SE


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Dimensions (continued)
Control Units (continued)


Ordering

| Model | $\begin{gathered} \text { Switch } \\ \text { Construction } \end{gathered}$ | Contacts | Wiring Entry | Part No. |
| :---: | :---: | :---: | :---: | :---: |
| Control Units for 2-Wire Switches |  |  |  |  |
| CM-S21-24 (24 VAC/DC) |  |  |  | 44536-0120 |
| CM-S41-24 (24 VAC/DC) |  |  |  | 44536-0140 |
| CM-S41-110 (110 VAC or 230 VAC ) |  |  |  | 44536-0141 |
| CM-SE-24 (24 VAC/DC) |  |  |  | 44536-0170 |
| 2-Wire Switches |  |  |  |  |
| CM-S11-PC3 | Plastic | 2-wire system | 3 m cable | 44536-1100 |
| CM-S11-PC5 | Plastic | 2-wire system | 5 m cable | 44536-1105 |
| CM-S11-PC10 | Plastic | 2-wire system | 10 m cable | 44536-1110 |
| CM-S11-PCC5 | Plastic | 2-wire system | connector +5 m cable | 44536-1159 |
| CM-S31SC3 | Stainless Steel | 2-wire system | 3 m cable | 44536-3100 |
| CM-S31SC5 | Stainless Steel | 2-wire system | 5 m cable | 44536-3105 |
| CM-S31SCC5 | Stainless Steel | 2-wire system | connector +5 m cable | 44536-3159 |
| Control Units for 1 N/C + 1 N/O Reed Style Switches |  |  |  |  |
| CM-S30 (24 VAC/DC) |  |  |  | 44536-0030 |
| CM-S4 (24 VAC/DC) |  |  |  | 44536-0040 |
| 1 N/C + 1 N/O Reed Style Switches |  |  |  |  |
| CM-S1PC3 | Plastic | $1 \mathrm{~N} / \mathrm{C}+1 \mathrm{~N} / \mathrm{O}$ | 3 m cable | 44536-0100 |
| CM-S1PC5 | Plastic | $1 \mathrm{~N} / \mathrm{C}+1 \mathrm{~N} / \mathrm{O}$ | 5 m cable | 44536-0105 |
| CM-S2PC3 | Plastic | $1 \mathrm{~N} / \mathrm{C}+1 \mathrm{~N} / \mathrm{O}$ | 3 m cable | 44536-0200 |
| CM-S2PC5 | Plastic | $1 \mathrm{~N} / \mathrm{C}+1 \mathrm{~N} / \mathrm{O}$ | 5 m cable | 44536-0205 |
| CM-S3PC3 | Plastic | $1 \mathrm{~N} / \mathrm{C}+1 \mathrm{~N} / \mathrm{O}$ | 3 m cable | 44536-0300 |
| CM-S3PC5 | Plastic | $1 \mathrm{~N} / \mathrm{C}+1 \mathrm{~N} / \mathrm{O}$ | 5 m cable | 44536-0305 |
| CM-S5PC5 | Plastic | $1 \mathrm{~N} / \mathrm{C}+1 \mathrm{~N} / \mathrm{O}$ | 5 m cable | 44536-0505 |
| CM-S5PC10 | Plastic | $1 \mathrm{~N} / \mathrm{C}+1 \mathrm{~N} / \mathrm{O}$ | 10 m cable | 44536-0510 |
| CM-S6PC5 | Plastic | $1 \mathrm{~N} / \mathrm{C}+1 \mathrm{~N} / \mathrm{O}$ | 5 m cable | 44536-0605 |
| CM-S6PC10 | Plastic | $1 \mathrm{~N} / \mathrm{C}+1 \mathrm{~N} / \mathrm{O}$ | 10 m cable | 44536-0610 |
| Universal Reed Style Switches (can be used with safety monitoring relays that accept $1 \mathrm{~N} / \mathrm{C}+1 \mathrm{~N} / \mathrm{O}$ or 2 NC switch contacts except the SR203, SR208, SR209) CAUTION! Universal reed switches may be operated with a coded or non-coded actuator when using 2 NC contacts with a safety monitoring relay. |  |  |  |  |
| CM-S221PC5 | Plastic | $2 \mathrm{~N} / \mathrm{C}+1 \mathrm{~N} / \mathrm{O}$ | 5 m cable | 44536-0221 |
| CM-S221PCC5 | Plastic | $2 \mathrm{~N} / \mathrm{C}+1 \mathrm{~N} / \mathrm{O}$ | connector +5 m cable | 44536-0225 |
| CM-S221PCC | Plastic | $2 \mathrm{~N} / \mathrm{C}+1 \mathrm{~N} / \mathrm{O}$ | no cable | 44536-0226 |
| CM-S521PC5 | Plastic | $2 \mathrm{~N} / \mathrm{C}+1 \mathrm{~N} / \mathrm{O}$ | 5 m cable | 44536-0521 |
| CM-S521PC10 | Plastic | $2 \mathrm{~N} / \mathrm{C}+1 \mathrm{~N} / \mathrm{O}$ | 10 m cable | 44536-1521 |
| CM-S621PC5 | Plastic | $2 \mathrm{~N} / \mathrm{C}+1 \mathrm{~N} / \mathrm{O}$ | 5 m cable | 44536-0621 |
| CM-S621PC10 | Plastic | $2 \mathrm{~N} / \mathrm{C}+1 \mathrm{~N} / \mathrm{O}$ | 10 m cable | 44536-1621 |
| CM-S321SC5 | Stainless Steel | $2 \mathrm{~N} / \mathrm{C}+1 \mathrm{~N} / \mathrm{O}$ | 5 m cable | 44536-3221 |
| CM-S321SCC5 | Stainless Steel, backing plate | $2 \mathrm{~N} / \mathrm{C}+1 \mathrm{~N} / \mathrm{O}$ | $\begin{aligned} & \text { M12 connector } \\ & +5 \mathrm{~m} \text { cable } \end{aligned}$ | 44536-3229 |
| CM-S321SCC | Stainless Steel, backing plate | $2 \mathrm{~N} / \mathrm{C}+1 \mathrm{~N} / \mathrm{O}$ | M12 connector, no cable | 44536-3220 |
| CM-S421SC5 | Stainless Steel, No backing plate | $2 \mathrm{~N} / \mathrm{C}+1 \mathrm{~N} / \mathrm{O}$ | 5 m cable | 44536-4221 |
| CM-S421SCC5 | Stainless Steel, No backing plate | $2 \mathrm{~N} / \mathrm{C}+1 \mathrm{~N} / \mathrm{O}$ | $\begin{aligned} & \text { M12 connector } \\ & +5 \mathrm{~m} \text { cable } \end{aligned}$ | 44536-4229 |
| Recommended Safety Monitoring Relays for Universal Reed Style Switches |  |  |  |  |
| CM-S4, CM-S30, G9SA series, G9SX-AD, G9SX-BC, SR series |  |  |  |  |
| Spare Actuators/Accessories |  |  |  |  |
| Replacement Actuator for CM-S1, Red ABS Plastic |  |  |  | 44536-0710 |
| Replacement Actuator for CM-S2, Red ABS Plastic |  |  |  | 44536-0720 |
| Replacement Actuator for CM-S3, Red ABS Plastic |  |  |  | 44536-0730 |
| Replacement Actuator for CM-S5,CM-S521 Red ABS Plastic |  |  |  | 44536-0750 |
| Replacement Actuator for CM-S6, CM-S621 Red ABS Plastic |  |  |  | 44536-0760 |
| Replacement Actuator for CM-S11, Red ABS Plastic |  |  |  | 44536-0711 |
| Replacement Actuator for CM-S31, Red ABS Plastic |  |  |  | 44536-0731 |
| Replacement Actuator for CM-S221, Red ABS Plastic |  |  |  | 44536-0721 |
| Replacement Actuator for CM-S321, Stainless Steel, backing plate |  |  |  | 44536-0741 |
| Replacement Actuator for CM-S421, Stainless Steel, No backing Plate |  |  |  | 44536-0751 |
| Mounting Bracket for CM-S3 |  |  |  | 44536-0800 |

Select models are available for Rapid Delivery.

Universal Mounting Brackets can be used with this product. See page G-210 for details.

Visit this product on www.sti.com for details.

## Terms and Conditions of Sale

1. Offer: Acceptance. These terms and conditions (these "Terms") are deemed part of all quotes, agreements, purchase orders, acknowledgments, price lists, catalogs, manuals, brochures and other documents, whether electronic or in writing, relating to the sale of products or services (collectively, the "Products") by Omron Electronics LLC and its subsidiary companies ("Omron"). Omron objects to any terms or conditions proposed in Buyer's purchase order or other documents which are inconsistent with, or in addition to, these Terms.
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4. Interest. Omron, at its option, may charge Buyer $1-1 / 2 \%$ interest per month or the maximum legal rate, whichever is less, on any balance not paid within the stated terms.
5. Orders. Omron will accept no order less than $\$ 200$ net billing.
6. Governmental Approvals. Buyer shall be responsible for, and shall bear all costs involved in, obtaining any government approvals required for the importation or sale of the Products.
7. Taxes. All taxes, duties and other governmental charges (other than general real property and income taxes), including any interest or penalties thereon, imposed directly or indirectly on Omron or required to be collected directly or indirectly by Omron for the manufacture, production, sale, delivery, importation, consumption or use of the Products sold hereunder (including customs duties and sales, excise, use, turnover and license taxes) shall be charged to and remitted by Buyer to Omron.
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9. Cancellation; Etc. Orders are not subject to rescheduling or cancellation unless Buyer indemnifies Omron against all related costs or expenses.
10. Force Majeure. Omron shall not be liable for any delay or failure in delivery resulting from causes beyond its control, including earthquakes, fires, floods, strikes or other labor disputes, shortage of labor or materials, accidents to machinery, acts of sabotage, riots, delay in or lack of transportation or the requirements of any government authority.
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b. Such carrier shall act as the agent of Buyer and delivery to such carrier shall constitute delivery to Buyer;
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