

# ReeR MOSAIC Accessories

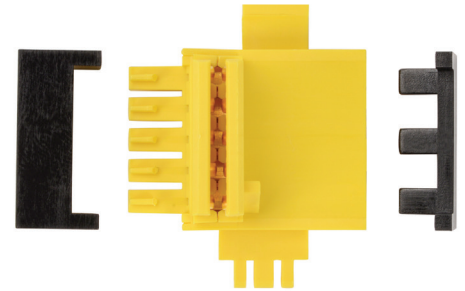


## ReeR MOSAIC-MSC-C Connector

The ReeR MOSAIC (MODular SAfety Integrated Controller) MSC-C Safety Communication Connector with terminal end caps (MSCPC) permits communication between various system units. Required to connect any additional cards to the [MOSAIC-M1](#), [MOSAIC-M1S](#), or [MOSAIC-M1S-USBC](#).

### Features

- 5-way connector for communication among MOSAIC modules
- Comes in the box with all expansion modules and is only needed for the [MOSAIC-M1](#), [MOSAIC-M1S](#), or [MOSAIC-M1S-USBC](#) unit



**MOSAIC-MSC-C**

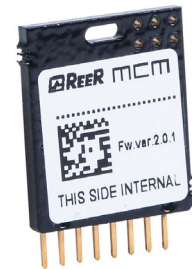
| MOSAIC-MSC-C Connector       |         |  |
|------------------------------|---------|--|
| Part Number                  | Price   | Description  |
| <a href="#">MOSAIC-MSC-C</a> | \$16.00 | Safety communication connector with terminal end caps (MSCPC). Permits communication between various system units. |

Note: See product manual for complete details.

Note: To obtain the most current agency approval information, see the Agency Approval Checklist section on the specific part number's web page.

## ReeR MOSAIC-MCM Memory Card

The ReeR MOSAIC (MODular SAfety Integrated Controller) MCM Memory Card is a proprietary removable memory card that can be used to save MOSAIC configuration data for subsequent transfer to a new device without using a PC.



**MOSAIC-MCMB**

| MOSAIC-MCM Memory Card      |         |                   |  |
|-----------------------------|---------|-------------------|--|
| Part Number                 | Price   | For Use With      | Description  |
| <a href="#">MOSAIC-MCM</a>  | \$43.50 | MOSAIC-M1 and M1S | Proprietary removable memory card that can be used to save MOSAIC configuration data for subsequent transfer to a new device without using a PC. |
| <a href="#">MOSAIC-MCMB</a> | \$34.00 | MOSAIC-M1S-USBC   |  |

Note: See product manual for complete details.

Note: To obtain the most current agency approval information, see the Agency Approval Checklist section on the specific part number's web page.

## ReeR Programming Cable

The ReeR MOSAIC (MODular SAfety Integrated Controller) programming cable is an interconnection cable used to connect the [MOSAIC-M1](#), [MOSAIC-M1S](#), or [MOSAIC-M1S-USBC](#) to a PC for programming with the MSD configuration software.



**MOSAIC-CSU**

| MOSAIC CSU Cable            |         |             |             |                       |                          |
|-----------------------------|---------|-------------|-------------|-----------------------|--------------------------|
| Part Number                 | Price   | Connector A | Connector B | Cable Length (ft [m]) | For Use With             |
| <a href="#">MOSAIC-CSU</a>  | \$18.00 | USB-A       | USB-B Mini  | 5.91 [1.8]            | MOSAIC-M1 and MOSAIC-M1S |
| <a href="#">USB-CBL-AC6</a> | \$7.00  |             | USB-C       | 6 [1.83]              | MOSAIC-M1S-USBC          |

Note: See product manual for complete details.

# MOSAIC



## MODULAR SAFETY INTEGRATED CONTROLLER

The MOSAIC system is a unique safety controller that's modular, expandable and configurable for managing all safety functions of a single machine or an entire plant. It offers cost reductions with minimal wiring.

### COMMS



#### **MOSAIC-MBEI**

Industrial Fieldbus:  
EtherNet/IP.

#### **MOSAIC-MBEM**

Industrial Fieldbus:  
ModBus TCP/IP.

### DIGITAL INPUTS



#### **MOSAIC-MI8**

8 digital inputs and four  
test outputs.

#### **MOSAIC-MI16**

16 digital inputs and  
4 test outputs.

#### **MOSAIC-MI12T2**

12 digital inputs, 8 test outputs.

### I/O EXPANSION UNIT



#### **MOSAIC-MI802**

8 digital inputs, 2 EDM/  
RST inputs, 4 test outputs,  
2 OSSD pairs, and 2 status  
outputs.

#### **MOSAIC-MI804**

8 digital inputs, 4 test outputs,  
4 individual or 2 pair OSSD outputs, and  
4 configurable I/O.

### SPEED MONITORING

#### **MOSAIC-MV0**

2 prox switch inputs.

#### **MOSAIC-MV1T**

1 TTL encoder and  
2 prox switch inputs.

#### **MOSAIC-MV1H**

1 HTL encoder and 2 prox switch inputs.

#### **MOSAIC-MV1S**

1 SIN/COS encoder and 2 prox switch inputs.

#### **MOSAIC-MV2T**

2 TTL encoder and 2 prox switch inputs.

#### **MOSAIC-MV2H**

2 HTL encoder and 2 prox switch inputs.

#### **MOSAIC-MV2S**

2 SIN/COS encoder and 2 prox switch inputs.

# MOSAIC SYSTEM



**MOSAIC-M1S-USBC**

**MOSAIC-M1**

MOSAIC M1, M1S, or M1S-USBC controller units are able to interface with up to 14 individual expansion modules (up to a maximum of 4 of any one module type).

Controller units can also be used in a stand-alone configuration.

Blue-highlighted modules work only with the **MOSAIC-M1S** or **MOSAIC-M1S-USBC** controller.

### SAFETY RELAYS

#### **MOSAIC-MR2**

2 relays – 2 NO + 1 NC connectable to 1 OSSD pair + 1 NC contact for external device monitoring. 2 safety relays with guided contacts. Screw contacts.



#### **MOSAIC-MR4**

4 relays – 4 NO + 2 NC connectable to 2 OSSD pair + 2 NC contacts for external device monitoring. 4 safety relays with guided contacts. Screw contacts.

These extension relays can connect to the outputs on the **MOSAIC M1, M1S, or to any of the output cards**

### DIGITAL OUTPUTS

#### **MOSAIC-MO2**

2 EDM/RST inputs, 2  
OSSD pairs and 2 status  
outputs.



#### **MOSAIC-MO4**

4 EDM/RST inputs, 4  
OSSD pairs and 4 status outputs.

#### **MOSAIC-MOR4**

4 single-channel outputs or 2 dual-channel outputs.

#### **MOSAIC-MOR4S8**

4 single-channel outputs or 2 dual-channel outputs with 8 status outputs.

#### **MOSAIC-MO4L**

4 individual or 2 pair OSSD outputs,  
and 4 configurable I/O.

### ANALOG INPUTS

#### **MOSAIC-MA4**

4 analog inputs.



### STATUS OUTPUTS

#### **MOSAIC-MOS8**

8 status outputs.

#### **MOSAIC-MOS16**

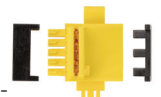
16 status outputs.



### ACCESSORIES

#### **MOSAIC-MSC-C**

Safety communication bus connector and terminal end caps. Required to connect additional module to **MOSAIC-M1, MOSAIC-M1S, or MOSAIC-M1S-USBC**.



#### **MOSAIC-MCM, MOSAIC-MCMB**

A proprietary removable memory card that can be used to save MOSAIC configuration data for subsequent transfer to a new device without using a PC.



# Safety Products



*Warning: Safety products sold by AutomationDirect are Safety components only. The purchaser/installer is solely responsible for the application of these components and ensuring all necessary steps have been taken to assure each application and use meets all performance and applicable safety requirements and/or local, national and/or international safety codes as required by the application. AutomationDirect cannot certify that our products, used solely or in conjunction with other AutomationDirect or other vendors' products, will assure safety for any application. Any person using or applying any products sold by AutomationDirect is responsible for learning the safety requirements for their individual application and applying them, and therefore assumes all risks, and accepts full and complete responsibility, for the selection and suitability of the product for their respective application.*

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