# 11.2. Surge Protection Module (SG-770)
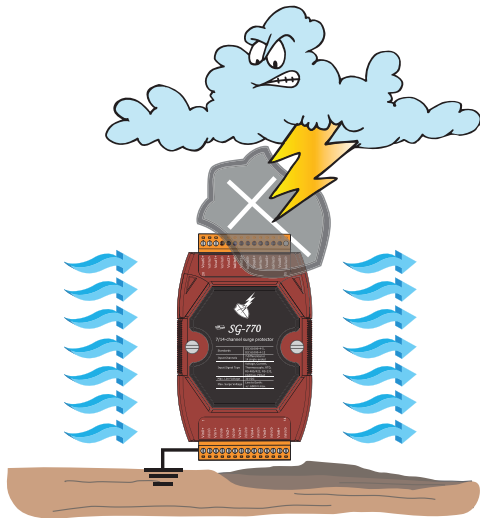


**SG-770**

## Introduction

SG-770 offers 7 differential or 14 single-ended for surge protection. SG-770 is approved with IEC 61000-4-5 and IEC 61000-4-12 standards. Each of channels supports 0 ~ ±30 VDC signal and each of channels is protected for surge achieves 6 kV.
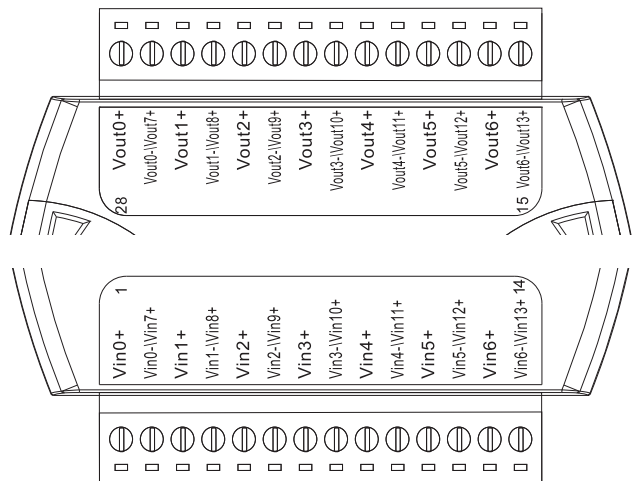
## Features

- IEC 61000-4-5, IEC 61000-4-12
- 6 kV Surge Protection
- RoHS Compliance
- A Wide Range of Operating Temperature: -25 ~ +75°C
- Easy Wiring

## Application



## Pin Assignments



## Specifications

| Models | SG-770 |
|---|---|
| **General** | |
| Input Channels | 7 differential or 14 single-ended |
| Input Signal Type | Voltage, Current, Thermocouple, RTD, RS-485/RS-422/RS-232 |
| Max. Line Voltage | 30 V$_{DC}$ |
| **Surge Protection Performance** | |
| Standard | IEC 61000-4-5<br>IEC 61000-4-12 |
| Max. Surge Voltage | Line to Earth: ±6000 V$_{DC}$ Max. |
| **Environment** | |
| Operating Temperature | -25 ~ +75°C |
| Storage Temperature | -30 ~ +75°C |
| Humidity | 5 ~ 95% RH, Non-condensing |
| Dimensions (W x H x D) | 123 mm x 72 mm x 33 mm |

## Ordering Information

| SG-770 CR | 7 channel differential or 14 channel single-ended surge protector (RoHS) |
|---|---|

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Accessories