

## Input/output module - UM-2KS40/16AIO/RS/Z/C-L/SO225 - 2319498

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16/8-channel analog I/O module with spring-cage connection and redundant voltage supply. Suitable for Yokogawa SAI 143, SAV 144, SAI 533 cards.

### Key commercial data

|                      |          |
|----------------------|----------|
| Packing unit         | 1 pc     |
| Custom tariff number | 85369010 |
| Country of origin    | Germany  |

### Technical data

#### Dimensions

|        |        |
|--------|--------|
| Width  | 165 mm |
| Height | 126 mm |
| Depth  | 48 mm  |

#### Ambient conditions

|                                 |                  |
|---------------------------------|------------------|
| Ambient temperature (operation) | -20 °C ... 55 °C |
|---------------------------------|------------------|

#### General

|   |  |
|---|--|
| Nominal voltage $U_N$                     | 30 V DC  |
| Max. current carrying capacity per branch | 100 mA   |
| Mounting position                         | any  |
| Standards/specifications                  | Air and creepage distances DIN EN 50178 basic insulation |
| Pollution degree                          | 2  |
| Surge voltage category                    | III  |
| Rated surge voltage                       | 0.8 kV   |
| Rated insulation voltage                  | 50 V   |

#### Connection data for connection 1

|                     |                        |
|---------------------|------------------------|
| Connection name     | Field level            |
| Connection method   | Spring-cage connection |
| Number of positions | 32                     |

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### Technical data

#### Connection data for connection 1

|  |                     |
|--|---------------------|
| Conductor cross section solid min.     | 0.2 mm <sup>2</sup> |
| Conductor cross section solid max.     | 4 mm <sup>2</sup>   |
| Conductor cross section stranded min.  | 0.2 mm <sup>2</sup> |
| Conductor cross section stranded max.  | 2.5 mm <sup>2</sup> |
| Conductor cross section AWG/kcmil min. | 24                  |
| Conductor cross section AWG/kcmil max  | 12                  |

#### Connection data for connection 2

|                       |                        |
|-----------------------|------------------------|
| Connection name       | Control system level   |
| Number of connections | 2                      |
| Connection method     | Yokogawa KS-compatible |
| Number of positions   | 40                     |

#### Supported controller

|                     |                     |
|---------------------|---------------------|
| Controller          | YOKOGAWA ProSafe-RS |
| - suitable I/O card | SAI143              |
|                     | SAI144              |
|                     | SAI533              |

### Classifications

#### eCl@ss

|            |          |
|------------|----------|
| eCl@ss 4.0 | 27250313 |
| eCl@ss 4.1 | 27250313 |
| eCl@ss 5.0 | 27250313 |
| eCl@ss 5.1 | 27250313 |
| eCl@ss 6.0 | 27069203 |
| eCl@ss 7.0 | 27069203 |
| eCl@ss 8.0 | 27069203 |

#### ETIM

|          |          |
|----------|----------|
| ETIM 2.0 | EC001434 |
| ETIM 3.0 | EC001604 |
| ETIM 4.0 | EC001437 |
| ETIM 5.0 | EC001437 |

#### UNSPSC

|               |          |
|---------------|----------|
| UNSPSC 6.01   | 30211824 |
| UNSPSC 7.0901 | 39121421 |

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### Classifications

#### UNSPSC

|              |          |
|--------------|----------|
| UNSPSC 11    | 39121421 |
| UNSPSC 12.01 | 39121421 |
| UNSPSC 13.2  | 39121421 |