# SIEMENS

COUPLING RELAY IM INDUSTRY-STANDARD
ENCLOSURE 3 CHANGEOVER CONTACTS WIDE
VOLTAGE RANGE 24 V TO 240 V AC/DC CAGE CLAMP
CONNECTIONS

## General technical details:

| Type of voltage | | AC/DC |
|---|---|---|
| **Supply voltage frequency** | | |
| • 1 / for auxiliary and control current circuit | | |
| • rated value | Hz | 50 |
| • 2 / for auxiliary and control current circuit | | |
| • rated value | Hz | 60 |
| **Control supply voltage / 1** | | |
| • at 50 Hz / for AC | | |
| • initial rated value | V | 24 |
| • final rated value | V | 240 |
| • at 60 Hz / for AC | | |
| • initial rated value | V | 24 |
| • final rated value | V | 240 |
| • for DC | | |
| • initial rated value | V | 24 |
| • final rated value | V | 240 |
| **Switching behaviour** | | monostable |
| **Product component / jumper socket** | | No |
| **Reference code / according to DIN EN 61346-2** | | K |

| Reference code / according to DIN 40719 extended according to IEC 204-2 / according to IEC 750 | | K |
|---|---|---|

## Mechanical design:

| | | |
|---|---|---|
| Design of the electrical connection | | spring-loaded terminals |
| Design of the electrical connection / jumper socket | | No |
| Design of the relay operating mechanism | | poled |
| Design of the switching function | | changeover switch |
| • guided | | No |
| Width | mm | 22.5 |
| Height | mm | 103 |
| Depth | mm | 91 |

## Auxiliary Contacts:

| | | |
|---|---|---|
| Number of NC contacts / for auxiliary contacts | | 0 |
| Number of NO contacts / for auxiliary contacts | | 0 |
| Number of changeover contacts / for auxiliary contacts | | 3 |
| Current carrying capacity / of output relay | | |
| • at DC-13 | | |
| • at 24 V | A | 1 |
| • at 125 V | A | 0.2 |
| • at 250 V | A | 0.1 |
| • at AC-15 / at 250 V | A | 3 |

## Ambient conditions:

| | | |
|---|---|---|
| Protection class IP | | IP20 |
| Ambient temperature / during operating / minimum | °C | -25 |
| Ambient temperature / during operating / maximum | °C | 60 |

## Certificates/approvals:

**General Product Approval**



CCC    CSA    EAC    UL

**other**

Declaration of Conformity    other    Environmental Confirmations

## Further information:

**Information- and Downloadcenter (Catalogs, Brochures,…)**
http://www.siemens.com/industrial-controls/catalogs

**Industry Mall (Online ordering system)**
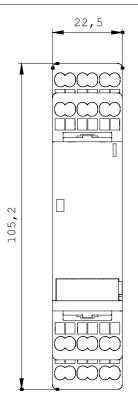http://www.siemens.com/industrial-controls/mall

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**CAx-Online-Generator**
http://www.siemens.com/cax

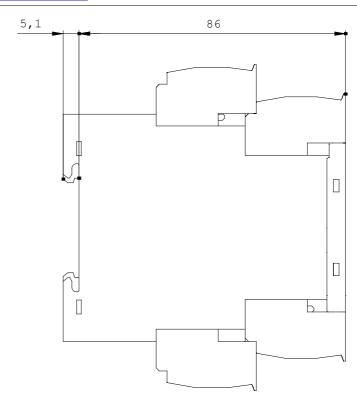**Service&Support (Manuals, Certificates, Characteristics, FAQs,...)**
http://support.automation.siemens.com/WW/view/en/3RS1800-2HW00/all

**Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)**
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3RS1800-2HW00

**last change:**                                      Aug 4, 2014