



TIME RELAY, CLOCK-PULSE RELAY 7 TIME
SETTING RANGES, 0,05S...100H, AC/DC 12... 240V,
WITH LED .

| General technical data: | | |
|---|----------|----------------------------|
| product brand name | | SIRIUS |
| Product designation | | timing relay |
| Adjustable time | s | 0.05 ... 360 000 |
| Protection class IP | | IP40 |
| <ul style="list-style-type: none"> • on the front • of the terminal | | IP20 |
| Shock resistance | | 15g / 11 ms |
| Degree of pollution | | 2 |
| mounting position | | any |
| Supply voltage required Auxiliary voltage | | No |
| Product function | | |
| <ul style="list-style-type: none"> • star-delta circuit • with auxiliary voltage pulse-shaping • at the relay outputs Switchover delayed/without delay | | No No No |
| Product component semi-conductor output | | No |
| Product expansion | | |
| <ul style="list-style-type: none"> • optional remote control • required remote control | | No No |
| Installation altitude at height above sea level maximum | m | 2 000 |
| Ambient temperature | | |
| <ul style="list-style-type: none"> • during storage • during operation | °C °C | -40 ... +70 -25 ... +55 |

| | | |
|--|----|---|
| • during transport | °C | -40 ... +70 |
| Relative humidity during operation | % | 15 ... 85 |
| EMI immunity acc. to IEC 60947-1 | | corresponds to degree of severity 3 |
| EMC emitted interference acc. to IEC 60947-1 | | IEC61000-6-3 (residential area) |
| Conducted interference due to burst acc. to IEC 61000-4-4 | | 2 kV network connection / 1 kV control connection |
| Conducted interference due to conductor-earth surge acc. to IEC 61000-4-5 | | 2 kV |
| Conducted interference due to conductor-conductor surge acc. to IEC 61000-4-5 | | 1 kV |
| Electrostatic discharge acc. to IEC 61000-4-2 | | 4 kV contact discharge / 8 kV air discharge |
| Field-bound parasitic coupling acc. to IEC 61000-4-3 | | 10 V/m |
| Vibration resistance | | 10 ... 55 Hz / 0.35 mm |
| Surge voltage resistance Rated value | V | 4 000 |
| Insulation voltage Rated value | V | 300 |
| Active power loss total typical | W | 2 |
| Equipment marking acc. to DIN 40719 extended according to IEC 204-2 acc. to IEC 750 | | K |
| Equipment marking acc. to DIN EN 61346-2 | | K |

Switching Function:

| Switching function | | |
|--|--|-----|
| • passing make contact | | No |
| • fixed clock cycle beginning with pulse | | No |
| • variably clocked start with interval | | Yes |
| • OFF delay | | No |
| • variably clocked start with impulse | | No |
| • with control signal | | |
| — passing break contact | | No |
| — OFF delay | | No |
| — additive ON delay | | No |
| — passing break contact/instantaneous | | No |
| — OFF delay/instantaneous | | No |
| — ON-delay/OFF-delay/instantaneous | | No |
| — pulse-shaping/instantaneous | | No |
| — pulse-shaping | | No |
| — ON-delay/instantaneous contact | | No |
| • ON-delay/instantaneous contact | | No |
| • passing make contact/instantaneous contact | | No |
| • fixed clock cycle beginning with interval | | No |
| • without control signal OFF delay | | No |
| • ON-delay | | No |

- fixed clock cycle beginning with interval/instantaneous contact

No

Control circuit/ Control:

| | | |
|---|----|--------------|
| Type of voltage of the control supply voltage | | AC/DC |
| Control supply voltage frequency 1 | Hz | 50 ... 60 |
| Control supply voltage 1 | | |
| <ul style="list-style-type: none"> • with AC <ul style="list-style-type: none"> — at 50 Hz — at 60 Hz • for DC | V | 12 ... 240 |
| | V | 12 ... 240 |
| | V | 12 ... 240 |
| Operating range factor control supply voltage rated value of the magnet coil | | 0.85 ... 1.1 |

Auxiliary circuit:

| | | |
|---|---|------|
| Operating current of the auxiliary contacts | | |
| <ul style="list-style-type: none"> • at AC-15 <ul style="list-style-type: none"> — at 24 V — at 250 V • at DC-13 <ul style="list-style-type: none"> — at 24 V — at 125 V — at 250 V — maximum | A | 3 |
| | A | 3 |
| | A | 1 |
| | A | 0.22 |
| | A | 0.1 |
| | A | 1 |
| Number of NC contacts | | |
| <ul style="list-style-type: none"> • delayed switching • instantaneous contact | | 0 |
| | | 0 |
| Number of NO contacts | | |
| <ul style="list-style-type: none"> • delayed switching • instantaneous contact | | 0 |
| | | 0 |
| Number of CO contacts | | |
| <ul style="list-style-type: none"> • delayed switching • instantaneous contact | | 1 |
| | | 0 |

Short-circuit:

| | | |
|--|--|-----------------|
| Design of the fuse link for short-circuit protection of the auxiliary switch required | | fuse gL/gG: 4 A |
|--|--|-----------------|

Installation/ mounting/ dimensions:

| | | |
|--|----|--|
| Mounting type | | snap-on fastening on 35 mm standard rail |
| Width | mm | 17.5 |
| Height | mm | 90 |
| Depth | mm | 66.7 |
| Required spacing | | |
| <ul style="list-style-type: none"> • with side-by-side mounting | | |

| | | |
|----------------------|----|---|
| — upwards | mm | 0 |
| — downwards | mm | 0 |
| — forwards | mm | 0 |
| — Backwards | mm | 0 |
| — at the side | mm | 0 |
| • for grounded parts | | |
| — upwards | mm | 0 |
| — downwards | mm | 0 |
| — forwards | mm | 0 |
| — Backwards | mm | 0 |
| — at the side | mm | 0 |
| • for live parts | | |
| — upwards | mm | 0 |
| — downwards | mm | 0 |
| — forwards | mm | 0 |
| — Backwards | mm | 0 |
| — at the side | mm | 0 |

Connections/ Terminals:

| | | |
|---|-----------------|-----------------------------------|
| Type of electrical connection | | |
| • Plug-in socket | | No |
| • for auxiliary and control current circuit | | screw-type terminals |
| Type of connectable conductor cross-section | | |
| • for auxiliary contacts | | |
| — solid | | 1x (0.2 ... 2.5 mm ²) |
| — finely stranded | | |
| — with core end processing | | 0.25 ... 1.5 mm ² |
| — without core end processing | | 1x (0.2 ... 1.5 mm ²) |
| • for AWG conductors for auxiliary contacts | | 1x (24 ... 14) |
| Connectable conductor cross-section for auxiliary contacts | | |
| • single or multi-stranded | mm ² | 0.2 ... 2.5 |
| • finely stranded | | |
| — with core end processing | mm ² | 0.25 ... 1.5 |
| — without core end processing | mm ² | 0.2 ... 1.5 |
| AWG number as coded connectable conductor cross section for auxiliary contacts | | 14 ... 24 |

Certificates/ approvals:

| | |
|-----------------------------------|----|
| Certificate of suitability | CE |
|-----------------------------------|----|



Safety related data:

| | |
|-------------------------------------|-------------|
| Category acc. to EN 954-1 | none |
| Protection against electrical shock | finger-safe |

Further information

Information- and Downloadcenter (Catalogs, Brochures,...)

<http://www.siemens.com/industrial-controls/catalogs>

Industry Mall (Online ordering system)

<http://www.siemens.com/industrymall>

Cax online generator

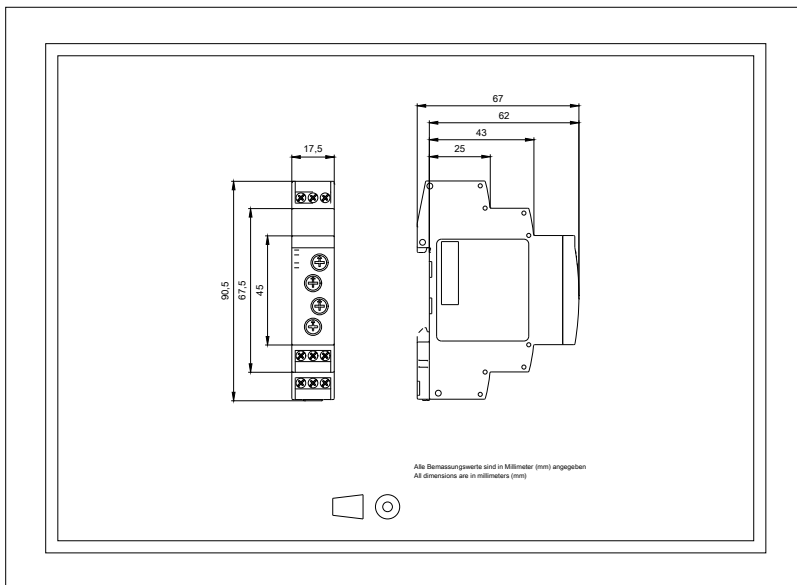
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mfb=7PV15581AW30>

Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

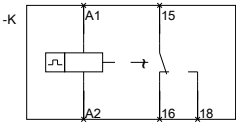
<https://support.industry.siemens.com/cs/ww/en/ps/7PV15581AW30>

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

http://www.automation.siemens.com/bilddb/cax_de.aspx?mfb=7PV15581AW30&lang=en



ZEITRELAIS, ELEKTRONISCH,
1 KONTAKT,
1 WECHSLER,



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TIME RELAY CLOCK
1 CHANGE-OVER CONTACT