## **SIEMENS**

Data sheet 7PV1508-1AW30



Timing relay, electronic Multifunction 1 change-over contact, 7 functions 7 time ranges 0.05 s  $\dots$  100 h 12-240 V AC/DC with LED, Screw terminal

| product brand name  | SIRIUS   |
|---|--|
| product designation   | timing relay   |
| design of the product   | Multifunctional  |
| product type designation  | 7PV15  |
| General technical data  |  |
| product component semi-conductor output   | No   |
| product extension required remote control   | No   |
| product extension optional remote control   | No   |
| insulation voltage for overvoltage category III according to IEC 60664 with degree of pollution 3 rated value | 300 V  |
| test voltage for isolation test   | 2.2 kV   |
| degree of pollution   | 2  |
| surge voltage resistance rated value  | 4 000 V  |
| test voltage for surge voltage test   | 4 800 V  |
| protection class IP   | IP20   |
| shock resistance according to IEC 60068-2-27  | 11g / 15 ms  |
| mechanical service life (operating cycles) typical  | 10 000 000   |
| electrical endurance (operating cycles) at AC-15 at 230 V typical   | 100 000  |
| adjustable time   | 0.05 s 100 h   |
| relative setting accuracy relating to full-scale value  | 5 %; +/-   |
| minimum ON period   | 35 ms  |
| recovery time   | 500 ms   |
| reference code according to IEC 81346-2   | K  |
| relative repeat accuracy  | 2 %; +/-   |
| influence of the surrounding temperature  | 2% in complete temperature range for the set duration      |
| power supply influence  | 2% in complete voltage range for the set duration          |
| Substance Prohibitance (Date)   | 05/01/2012   |
| SVHC substance name   | Lead - 7439-92-1<br>Lead monoxide (lead oxide) - 1317-36-8 |
| Control circuit/ Control  |  |
| type of voltage of the control supply voltage   | AC/DC  |
| control supply voltage 1 at AC  |  |
| ● at 50 Hz  | 12 240 V   |
| • at 60 Hz  | 12 240 V   |
| control supply voltage frequency 1  | 50 60 Hz   |
| control supply voltage 1 at DC  |  |
| •   | 12 240 V   |
| operating range factor control supply voltage rated value at DC   |  |
| ● initial value   | 0.85   |

| File-late value  Foreithing range factor control supply voltage rated value at AC at 8 1t.  File scale value  Operating range factor control supply voltage rated value at AC at 8 1t.  File scale value  Operating range factor control supply voltage rated value at AC at 8 1t.  File scale value  Operating range factor control supply voltage rated value at AC at 8 1t.  File scale value  Operating range factor control supply voltage rated value at AC at 8 1t.  File scale value  Operating range factor control supply voltage rated value at AC at 8 1t.  File scale value  Operating range factor control supply voltage rated value at AC at 8 1t.  File scale value  Operating range factor control supply voltage rated value at AC at 8 1t.  File scale value  Operating range factor control supply voltage rated value at AC at 8 1t.  File scale value  Operating range factor control supply voltage rated value at 8 1t.  Operating range factor control supply voltage rated value at 8 1t.  Operating range factor control supply voltage rated value at 8 1t.  Operating range factor control supply voltage rated value at 8 1t.  Operating range contact 9 1t.  Operating range factor control supply voltage rated value at 8 1t.  Operating range factor control supply voltage rated value at 8 1t.  Operating range factor control supply voltage rated value at 8 1t.  Operating range factor control supply voltage rated value at 8 1t.  Operating range factor control supply voltage rated value at 8 1t.  Operating range factor control supply voltage rated value at 8 1t.  Operating range factor control supply voltage rated value at 8 1t.  Operating range factor control supply voltage rated value at 8 1t.  Operating range factor control supply voltage rated value at 8 1t.  Operating range factor control supply voltage rated value at 8 1t.  Operating range factor control supply voltage rated value at 8 1t.  Operating range factor control supply voltage rated value at 8 1t.  Operating range factor control supply voltage rated value at 8 1t.  Operating ran | full-scale value  | 1.1             |
|--|---|-----------------|
| AC at 80 fiz    Initial value   Initial value  |   | 1.1             |
| Section   Sect   |   |                 |
| Control stude   Control supply voltage rated value at  | initial value   | 0.85            |
| AC at 0 Hz   Initial value   | • full-scale value                                      | 1.1             |
| e initial value  1uli-scale va |   |                 |
| Multi-scale value   1.1  |   | 0.85            |
| Switching Function  **O'N-delay' strainfanderous cortact  **O'N-delay' instantaneous contact  **O'N-delay' instantaneous contact  **O'N-delay' instantaneous contact  **O'N-delay' instantaneous   |   |                 |
| awitching function  ON-delay instantaneous contact  ON-delay make contact  Pess passing make contact  Pess passing make contact instantaneous contact  OFF delay  No  OFF delay  No  Bashing symmetrically with interval start/instantaneous  Fashing symmetrically with pulse start  Fashing  |   | 1.1             |
| ON-delay instantaneous contact On-delay instantaneous contact passing make contact ves passing make contact ves passing make contact ves OFF-delay No switching function Islanting symmetrically with interval startinstantaneous Islanting symmetrically with interval start Islanting symmetrically with pulse start ves Islanting symmetrically with pulse start No Islanting symmetrically with interval start Islanting symmetrically with pulse start Islanting function Islanting function Islanting function Islanting function with control signal Islanting function f  |   |                 |
| ON-delay/instantaneous contact passing make contact passing make contact vision in make contact/instantaneous contact passing make contact/instantaneous vision in make contact/instantaneous or Fe delay withing function  • flashing symmetrically with interval start vision interval start • flashing symmetrically with judes start • flashing symmetrically with pulse start • flashing saymmetrically with orthoral signal • asta-delta circuit • flashing saymmetrically with control signal • flashing saymmetrically with control signal • flashing saymmetrically saymmetri  | -   | Voc             |
| passing make contact passing make contact passing make contact north clay with interval start north clay passing break contact north clay with pulse start passing passing break contact north clay passing make contact north clay passin  | •   |                 |
| passing make contact/instantaneous contact por Fedaty switching function  afashing symmetrically with interval start instantaneous afashing symmetrically with pulse start instantaneous afashing symmetrically with pulse start instantaneous afashing symmetrically with pulse start afashing symmetrically with pulse start beashing beashing symmetrically with pulse start beashing symmetrically with scortal start beashing after the pulse start beashing symmetrically with control signal beashing after the pulse into for short-circuit protection beashing symmetrically with control signal beashing after the pulse with control signal beashing after the pulse with control signal beashing after the pulse with scortact beashing symmetrically switch required beashing after the pulse start beashing symmetrically switch required beashing after the pu  | •   |                 |
| • OFF delay  • Working function  • (flashing symmetrically with interval start instantaneous  • (flashing symmetrically with interval start  • (flashing symmetrically with pulse start)  • (flashing symmetrically with pulse start  • (flashing symmetrically with delay time  • (flashing symmetrically with control signal)  • (flashing symmetrically with switched-on control signal)  • (flashing symmetrically with switched-on control signal)  • (flashing symmetrically with switched-on control s  |   |                 |
| switching function  • fashing symmetrically with interval start instantaneous • fashing symmetrically with interval start instantaneous • fashing symmetrically with pulse start instantaneous • fashing symmetrically with pulse start • flashing asymmetrically with pulse start • star-delta circuit with delay time • star-delta circuit with delay time • star-delta circuit • switching function with control signal • additive ON-delay • passing break contact Yes • passing preak contact Yes • passing preak contact Yes • pulse-delayed • OFF delay Yes • OFF delay Yes • OFF delay Yes • OFF delay Yes • Orbitally off delayed Yes • Orbitally off delayed Yes • pulse-shaping • pulse-shaping Yes • pulse-shaping Yes • pulse-shaping Yes • Orbitally OFF-delay Non • passing make contact Non • retrotriggerable with deactivated control signal • retrotriggerable with withdel-on control signal • retrotriggerable with withdel-on control signal • retrotriggerable with switched-on control signal • retrotriggerable with switched-on control signal • retrotriggerable with switched-on control signal • retrotriggerable with deactivated • retrotriggerable with deactivated • retrotriggerabl |   |                 |
| • flashing symmetrically with interval start  • flashing symmetrically with interval start  • flashing symmetrically with pulse start  • No  • stard-cliad circuit with delay time  • stard-cliad circuit with delay time  • stard-cliad circuit with delay time  • stard-cliad circuit  • switching function with control signal  • additive ONI-delay  • passing break contact  • passing break contact  • passing break contact with passing break contact  • passing make contact  • passing make contact with passing break conta  | <u> </u>  |                 |
| flashing symmetrically with justes start in startinate outs  | _   | No              |
| flashing symmetrically with pulse start   No     flashing symmetrically with pulse start   No     flashing asymmetrically with pulse start   No     flashing asymmetrically with interval start   No     start and account   No     start and account   No     start and tancount with delay time   No     start and tancount with the control signal     additive ON-delay   Yes     passing break contact   Yes     passing break contact   Yes     passing break contact   Yes     OFF delay   Yes     pulse-shaping   Yes     pulse-shaping   Yes     pulse-shaping   Yes     additive ON-delay/instantaneous   No     outside one of the control stantaneous   No     ON-delay/OFF-delay   No     ON-delay-OFF-delay   No     ON-d    |   |                 |
| flashing symmetrically with pulse start   No     flashing symmetrically with interval start   No     flashing symmetrically with pulse start   No     switching function     star-delta circuit with delay time   No     star-delta circuit   No     switching function with control signal     additive ON-delay   Yes     passing break contact   Yes     passing break contact   Yes     passing break contact   Yes     oFF delay   Yes     OFF delay   Yes     OFF delay   Yes     OFF delay   Yes     ouise-shaping   Yes   No     pulse delayed   No     pulse-shaping   Yes     ouise-shaping   Yes     ouise-shaping   Yes   No     ouise-shaping   Yes   No     ouise-shaping   Yes   No     outse-shaping   No     outse-shaping   Yes   No     outse-shaping   Yes   No     outse-shaping   No     outselve   Yes   Yes     outselve   Yes   Yes   Yes   Yes     outselve   Yes   Yes   Yes   Yes     outselve   Yes   Yes   Yes   Yes   Yes     outselve   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes   Yes     outselve   Yes       |   |                 |
| • flashing asymmetrically with interval start • flashing asymmetrically with pulse start  • flashing asymmetrically with pulse start  • star-delta circuit with delay time • star-delta circuit with delay time • star-delta circuit • additive ON-delay • assing break contact • passing break contact (Yes • passing break contact (Yes • passing break contact/instantaneous • OFF delay • OFF delay • OFF delay • pulse delayed • pulse-shaping instantaneous • No • pulse delayed • pulse-shaping/instantaneous • No • ON-delay/OFF-delay/instantaneous • ON-delay/OFF-delay/instantaneous • ON-delay/OFF-delay/instantaneous • Delay on the start of the   |   |                 |
| switching function  • star-delta circuit with delay time  • star-delta circuit  switching function with control signal  • additive ON-delay  • passing break contact  • passing break contact  • passing break contact/instantaneous  • OFF delay  • OFF delay  • pulse delayed/instantaneous  • pulse shaping  • pulse-shaping yes  • pulse-shaping yes  • pulse-shaping yes  • pulse-shaping/instantaneous  • ON-delay/OFF-delay/instantaneous  • ON-delay/OFF-delay/instantaneous  • ON-delay/OFF-delay/instantaneous  • ON-delay/OFF-delay/instantaneous  • ON-delay/OFF-delay/instantaneous  • passing make contact  • passing make contact  • passing make contact  • retroitriggerable with deactivated control signal  • retroitriggerable with switched-on control signal  • retroitriggerabl |   | No              |
| switching function  • star-delta circuit with delay time  • star-delta circuit  switching function with control signal  • additive ON-delay  • passing break contact  • passing break contact  • passing break contact/instantaneous  • OFF delay  • OFF delay  • pulse delayed/instantaneous  • pulse shaping  • pulse-shaping yes  • pulse-shaping yes  • pulse-shaping yes  • pulse-shaping/instantaneous  • ON-delay/OFF-delay/instantaneous  • ON-delay/OFF-delay/instantaneous  • ON-delay/OFF-delay/instantaneous  • ON-delay/OFF-delay/instantaneous  • ON-delay/OFF-delay/instantaneous  • passing make contact  • passing make contact  • passing make contact  • retroitriggerable with deactivated control signal  • retroitriggerable with switched-on control signal  • retroitriggerabl | ,   | No              |
| switching function with control signal a additive ON-delay passing break contact passing break contact passing break contact/instantaneous OFF delay OFF delay( OFF   |   |                 |
| switching function with control signal  additive ON-delay  passing break contact  passing break contact/instantaneous  OFF delay  OFF delay  OFF delay  pulse delayed  No  pulse delayed/instantaneous  No  pulse delayed/instantaneous  No  pulse-shaping  Yes  outse-shaping  Auditive ON-delay/oFF-delay  No  ON-delay/OFF-delay  No  ON-delay/OFF-delay  No  ON-delay/OFF-delay No  on-delay/OFF-delay  No  Switching function of interval relay with control signal  retrotriggerable with deactivated control signal/instantaneous contact  No  etrotriggerable with switched-on control signal  retrotriggerable with switched-on control signal/instantaneous contact  verteringerable with switched-on control signal/instantaneous contact  verteringerable with sactivated control signal/instantaneous contact  verteringerable with sactivated control signal  netrotriggerable with sactivated control signal  No  etertoritygerable with sactivated control signal  No  etertoritygerable with sactivated control signal  No  design of the control terminal non-floating  Short-circuit protection  design of the fuse link for short-circuit protection of the auxillary switch required  Auxillary circuit  material of switching contacts  elelayed switching  instantaneous contact  eleayed switching  instantaneous contact  eleayed switching  eleayed switched  eleayed switched  eleayed switching  eleayed switched  eleayed switche | star-delta circuit with delay time                      | No              |
| additive ON-delay  passing break contact  passing break contact/instantaneous  OFF delay  OFF delay  Pyes  OFF delay  Pyes  OFF delay  pulse delayed  No  pulse delayed/instantaneous  No  pulse delayed/instantaneous  No  pulse-shaping  pulse-shaping  pulse-shaping  Pyes  additive ON-delay/Instantaneous  No  ON-delay/OFF-delay  No  ON-delay/OFF-delay  No  ON-delay/OFF-delay  No  ON-delay/OFF-delay  No  ON-delay/OFF-delay  No  ON-delay/OFF-delay instantaneous  No  passing make contact  No  passing make contact/instantaneous contact  No  switching function of interval relay with control signal  retrotriggerable with deactivated control signal  retrotriggerable with switched-on control  Signal/instantaneous contact  Petrotriggerable with switched-on control  No  signal/instantaneous contact  Petrotriggerable with deactivated control signal  retrotriggerable with switched-on control  No  signal/instantaneous contact  Petrotriggerable with or short-circuit protection of the auxiliary  witch required  Maxillary circuit  material of switching contacts  delayed switching  olipadinate of NC contacts  delayed switching  olipadinate or NC contacts  olipadinate or NC   | star-delta circuit                                      | No              |
| passing break contact passing break contact/instantaneous OFF delay OFF delay/instantaneous pulse delayed pulse delayed pulse delayed/instantaneous pulse-shaping pulse-shaping pulse-shaping pulse-shaping/instantaneous No ond-delay/instantaneous No ond-delay/instantaneous No ON-delay/OFF-delay No ON-delay-OFF-delay No ON-delay-OFF-delay No ON-delay-OFF-delay No ON-delay-OFF-delay-No ON-delay-O  | switching function with control signal                  |                 |
| passing break contact/instantaneous OFF delay  | additive ON-delay                                       | Yes             |
| OFF delay/instantaneous OFF delay/instantaneous OFF delay/instantaneous OFF delay/instantaneous OFF delay/instantaneous OFF pulse delayed/instantaneous OFF pulse-shaping OFF delay OFF d  | passing break contact                                   | Yes             |
| OFF delay/instantaneous  pulse delayed  pulse delayed  pulse delayed/instantaneous  pulse-shaping  pulse-shaping  pulse-shaping/instantaneous  No  additive ON-delay/instantaneous  No  ON-delay/OFF-delay  ON-delay/OFF-delay  No  passing make contact  passing make contact/instantaneous contact  No  passing make contact/instantaneous contact  No  passing make contact/instantaneous contact  No  vertrotriggerable with deactivated control signal  retrotriggerable with switched-on control signal  retrotriggerable with switched-on control signal  retrotriggerable with deactivated control signal  retrotriggerable with switched-on control signal no  retriggerable with deactivated control signal  retrotriggerable with deactivated control signal  retrotriggerable with switched-on control signal  retrotriggerable with deactivated control signal  retrotriggerable with switched-on control  retriggerable with switched-on control  retriggerable with switched-on control  retrotriggerable with switched-on contr  | <ul> <li>passing break contact/instantaneous</li> </ul> | No              |
| pulse delayed pulse delayed/instantaneous pulse-shaping pulse-shaping/instantaneous additive ON-delay/instantaneous ON-delay/OFF-delay No ON-delay/OFF-delay/instantaneous passing make contact passing make contactinstantaneous contact passing make contactinstantaneous contact no switching function of interval relay with control signal retrotriggerable with deactivated control signal/instantaneous contact retrotriggerable with switched-on control signal/instantaneous contact retrotriggerable with switched-on control signal/instantaneous contact retrotriggerable with switched-on control signal/instantaneous contact retrotriggerable with deactivated control signal No retrotriggerable with deactivated control signal No design of the control terminal non-floating Yes Short-circuit protection design of the fuse link for short-circuit protection of the auxiliary switch required  Auxiliary circuit material of switching contacts delayed switching instantaneous contact   | OFF delay   | Yes             |
| pulse delayed/instantaneous pulse-shaping pulse-shaping pulse-shaping/instantaneous additive ON-delay/instantaneous ON-delay/OFF-delay ON-delay/OFF-delay ON-delay/OFF-delay ON-delay/OFF-delay ON-delay/OFF-delay No passing make contact passing make contact No switching function of interval relay with control signal retrotriggerable with deactivated control signal/instantaneous contact retrotriggerable with switched-on control signal retrotriggerable with switched-on control signal/instantaneous contact retrotriggerable with deactivated control signal/instantaneous contact retriggerable with deactivated control signal retrotriggerable with deactivated control signal retrotriggerable with foactivated control signal retrotriggerable with switched-on control retrotriggerable with foactivated control signal retrotriggerable with switched-on control retrotriggerable with deactivated c  | OFF delay/instantaneous                                 | No              |
| pulse-shaping pulse-shaping/instantaneous additive ON-delay/instantaneous ON-delay/instantaneous ON-delay/instantaneous ON-delay/instantaneous No ON-delay/instantaneous No passing make contact No passing make contact/instantaneous contact No switching function of interval relay with control signal retrotriggerable with deactivated control signal retrotriggerable with switched-on control signal retrotriggerable with switched-on control signal retrotriggerable with switched-on control signal retrotriggerable with deactivated control signal/instantaneous contact retrotriggerable with deactivated control signal retrotriggerable with feactivated control signal retrotrig  |   | No              |
| pulse-shaping/instantaneous additive ON-delay/instantaneous ON-delay/OFF-delay ON-delay/OFF-delay ON-delay/OFF-delay No apassing make contact passing make contact/instantaneous contact No switching function of interval relay with control signal retrotriggerable with deactivated control signal/instantaneous contact retrotriggerable with switched-on control signal retrotriggerable with switched-on control signal/instantaneous contact retrogregable with switched-on control signal/instantaneous contact retriggerable with deactivated control signal/instantaneous contact retriggerable with switched-on control signal/instantaneous contact retriggerable with facativated control signal No design of the control terminal non-floating Yes Short-circuit protection design of the fuse link for short-circuit protection of the auxiliary switch required Auxiliary circuit material of switching contacts delayed switching instantaneous contact  olimber of NC contacts delayed switching olimber of NO contacts delayed switching olimber of CO contacts  |   |                 |
| additive ON-delay/OFF-delay ON-delay/OFF-delay ON-delay/OFF-delay ON-delay/OFF-delay/instantaneous  passing make contact passing make contact No switching function of interval relay with control signal retrotriggerable with deactivated control signal/instantaneous contact retrotriggerable with switched-on control signal retrotriggerable with switched-on control signal/instantaneous contact retrotriggerable with switched-on control signal/instantaneous contact retrotriggerable with deactivated control signal retrotriggerable with switched-on control retrotriggerable wit  |   |                 |
| ON-delay/OFF-delay No ON-delay/OFF-delay/instantaneous passing make contact passing make contact/instantaneous contact No switching function of interval relay with control signal retrotriggerable with deactivated control signal/instantaneous contact retrotriggerable with switched-on control signal retrotriggerable with switched-on control signal retrotriggerable with switched-on control signal/instantaneous contact retrotriggerable with deactivated control signal retrotriggerable with eventual signal retrot  | · · · · · · · · · · · · · · · · · · ·                   |                 |
| ON-delay/OFF-delay/instantaneous passing make contact passing make contact passing make contact/instantaneous contact passing function of interval relay with control signal retrotriggerable with deactivated control signal/instantaneous contact retrotriggerable with switched-on control signal retrotriggerable with switched-on control signal retrotriggerable with switched-on control signal/instantaneous contact retriggerable with deactivated control signal retrotriggerable with forestoric tiprotection retrotriggerable with switched control signal retrotriggerable with switched activated control signal retrotriggerable with switched-on control retrotriggerable with deactivated control signal retrotriggerable with switched-on control retrotriggerable with deactivated control signal retrotriggerable with switched-on control retrotriggerable with deactivated control signal retrotriggerable with switched-on control retrotriggerable with switched-  | •   |                 |
| passing make contact passing make contact/instantaneous contact passing make contact/instantaneous contact passing make contact/instantaneous contact pretrotriggerable with deactivated control signal retrotriggerable with switched-on control signal retrotriggerable with switched-on control signal retrotriggerable with switched-on control passingal/instantaneous contact retrotriggerable with deactivated control signal retrotriggerable with switched-on control retrotriggerable with  |   |                 |
| passing make contact/instantaneous contact  switching function of interval relay with control signal  retrotriggerable with deactivated control signal/instantaneous contact  retrotriggerable with switched-on control signal  retrotriggerable with switched-on control signal  retrotriggerable with switched-on control signal/instantaneous contact  retriggerable with deactivated control signal  No  design of the control terminal non-floating  Yes  Short-circuit protection  design of the fuse link for short-circuit protection of the auxiliary switch required  Auxiliary circuit  material of switching contacts  delayed switching  leaved switching  instantaneous contact  delayed switching   |   |                 |
| switching function of interval relay with control signal  • retrotriggerable with deactivated control signal / retrotriggerable with switched-on control signal / No  • retrotriggerable with switched-on control signal No  • retrotriggerable with switched-on control signal No  • retrotriggerable with deactivated control signal No  design of the control terminal non-floating Yes  Short-circuit protection  design of the fuse link for short-circuit protection of the auxiliary switch required  Auxiliary circuit  material of switching contacts  • delayed switching • instantaneous contact  • delayed switching • delayed switching • instantaneous contact  number of NO contacts  • delayed switching • instantaneous contact  number of CO contacts  |   |                 |
| retrotriggerable with deactivated control signal/instantaneous contact     retrotriggerable with switched-on control signal No     retrotriggerable with switched-on control No Signal/instantaneous contact     retriggerable with switched-on control No No Signal/instantaneous contact     retriggerable with deactivated control signal No Modesign of the control terminal non-floating Yes    Short-circuit protection  |   | NO              |
| signal/instantaneous contact  • retrotriggerable with switched-on control signal  • retrotriggerable with switched-on control signal/instantaneous contact  • retriggerable with deactivated control signal  • retriggerable with deactivated control signal  No  design of the control terminal non-floating  Short-circuit protection  design of the fuse link for short-circuit protection of the auxiliary switch required  Auxiliary circuit  material of switching contacts  • delayed switching  • instantaneous contact  • delayed switching  • delayed switching  • instantaneous contact   |   | No              |
| retrotriggerable with switched-on control signal/instantaneous contact     retriggerable with deactivated control signal No  design of the control terminal non-floating Yes  Short-circuit protection  design of the fuse link for short-circuit protection of the auxiliary switch required  Auxiliary circuit  material of switching contacts AgSnO2  number of NC contacts     edelayed switching     instantaneous contact  number of NO contacts  edelayed switching     o  instantaneous contact  olimitation  olimitation  number of CO contacts  edelayed switching     o  instantaneous contact  olimitation  number of CO contacts  |   |                 |
| signal/instantaneous contact  • retriggerable with deactivated control signal  design of the control terminal non-floating  Short-circuit protection  design of the fuse link for short-circuit protection of the auxiliary switch required  Auxiliary circuit  material of switching contacts  • delayed switching  • instantaneous contact   |   | No              |
| retriggerable with deactivated control signal  design of the control terminal non-floating  Short-circuit protection  design of the fuse link for short-circuit protection of the auxiliary switch required  Auxiliary circuit  material of switching contacts      delayed switching     instantaneous contact      delayed switching     instantaneous contact      delayed switching     instantaneous contact      inumber of NO contacts      delayed switching     instantaneous contact      instantaneous contact      number of CO contacts      inumber of CO contacts      instantaneous contact      number of CO contacts      instantaneous contact      inumber of CO contacts  |   | No              |
| Short-circuit protection  design of the fuse link for short-circuit protection of the auxiliary switch required  Auxiliary circuit  material of switching contacts  • delayed switching • instantaneous contact  • delayed switching • delayed switching • instantaneous contact   | -   | No              |
| design of the fuse link for short-circuit protection of the auxiliary switch required  Auxiliary circuit  material of switching contacts  • delayed switching • instantaneous contact  • delayed switching • delayed switching • instantaneous contact  • mumber of CO contacts   | design of the control terminal non-floating             | Yes             |
| switch required  Auxiliary circuit  material of switching contacts  number of NC contacts  elayed switching instantaneous contact  olayed switching elayed switching olayed switching elayed switching olayed swit | Short-circuit protection                                |                 |
| Auxiliary circuit  material of switching contacts  number of NC contacts  eleayed switching instantaneous contact  number of NO contacts  eleayed switching oleayed switching oleayed switching eleayed switching oleayed switching oleayed switching eleayed switching oleayed switching  |   | fuse gL/gG: 4 A |
| material of switching contacts  number of NC contacts  elayed switching instantaneous contact  olayed switching elayed switching olayed switching elayed switching olayed switch | ·   |                 |
| number of NC contacts  • delayed switching • instantaneous contact  number of NO contacts • delayed switching • delayed switching • instantaneous contact  number of CO contacts   |   | AgSnO2          |
| instantaneous contact  number of NO contacts  delayed switching  instantaneous contact  number of CO contacts   0  0  1  1  1  1  1  1  1  1  1  1  1  |   |                 |
| instantaneous contact  number of NO contacts  delayed switching  instantaneous contact  number of CO contacts   0  0  1  1  1  1  1  1  1  1  1  1  1  | delayed switching                                       | 0               |
| <ul> <li>delayed switching</li> <li>instantaneous contact</li> <li>number of CO contacts</li> </ul>  |   | 0               |
| • instantaneous contact 0  number of CO contacts   | number of NO contacts                                   |                 |
| number of CO contacts  | delayed switching                                       | 0               |
|  | • instantaneous contact                                 | 0               |
| • delayed switching 1  | number of CO contacts                                   |                 |
|  | <ul> <li>delayed switching</li> </ul>                   | 1               |

| instantaneous contact  | 0   |
|--|---|
| operational current of auxiliary contacts at AC-15   |   |
| maximum  | 3 A   |
| • at 24 V  | 3 A   |
| • at 250 V   | 3 A   |
| operational current of auxiliary contacts as NC contact at   |   |
| AC-15  |   |
| • at 24 V  | 3 A   |
| • at 250 V   | 3 A   |
| operational current of auxiliary contacts as NO contact at AC-15                                       |   |
| ● at 24 V  | 3 A   |
| • at 250 V   | 3 A   |
| operational current of auxiliary contacts at DC-13   | 1 0.01  |
| operational current of auxiliary contacts at DC-13   |   |
| • at 24 V  | 1 A   |
| • at 125 V   | 0.22 A  |
| • at 250 V   | 0.1 A   |
| operating frequency with 3RT2 contactor maximum  | 5 000 1/h   |
| contact reliability of auxiliary contacts  | one incorrect switching operation of 100 million switching operations (17 V, 5 $$ mA) |
| contact rating of auxiliary contacts according to UL   | R150 / B300   |
| switching capacity current with inductive load   | 0.01 3 A  |
| Inputs/ Outputs  |   |
| product function   |   |
| at the relay outputs switchover delayed/without delay  | No  |
| • non-volatile   | No  |
| Electromagnetic compatibility  |   |
| EMC immunity according to IEC 61812-1  | EN 61000-6-2  |
| conducted interference   |   |
| <ul> <li>due to burst according to IEC 61000-4-4</li> </ul>  | 2 kV network connection / 1 kV control connection                                     |
| • due to conductor-earth surge according to IEC 61000-4-5  | 2 kV  |
| <ul> <li>due to conductor-conductor surge according to IEC<br/>61000-4-5</li> </ul>                    | 1 kV  |
| field-based interference according to IEC 61000-4-3  | 10 V/m  |
| electrostatic discharge according to IEC 61000-4-2   | 4 kV contact discharge / 8 kV air discharge   |
| Safety related data  |   |
| category according to EN 954-1   | none  |
| Electrical Safety  | Desir insulation  |
| type of insulation   | Basic insulation  |
| Connections/ Terminals   | No  |
| product component removable terminal for auxiliary and control circuit                                 | No  |
| type of electrical connection for auxiliary and control circuit  | screw-type terminals  |
| type of connectable conductor cross-sections   |   |
| • solid  | 1x (0.2 2.5 mm²)  |
| <ul> <li>finely stranded with core end processing</li> </ul>   | 1x (0.25 1.5 mm²)   |
| <ul> <li>finely stranded without core end processing</li> </ul>  | 1x (0.2 1.5 mm²)  |
| • for AWG cables solid   | 1x (24 14)  |
| for AWG cables stranded  | 1x (24 14)  |
| connectable conductor cross-section  | 00.05.3   |
| Solid     Solid     Solid  | 0.2 2.5 m <sup>2</sup>  |
| finely stranded without core and processing  | 0.25 1.5 m <sup>2</sup>   |
| • finely stranded without core end processing  AWG number as coded connectable conductor cross section | 0.2 1.5 m <sup>2</sup>  |
| • solid  | 24 14   |
| stranded   | 24 14   |
| Installation/ mounting/ dimensions   |   |
| mounting position  | any   |
| fastening method   | snap-on fastening on 35 mm DIN rail   |
| height   | 90 mm   |
| -  |   |

| width   | 17.5 mm    |
|---|------------|
| depth   | 66.7 mm    |
| required spacing  |            |
| <ul> <li>with side-by-side mounting</li> </ul>          |            |
| — forwards  | 0 mm       |
| — backwards   | 0 mm       |
| — upwards   | 0 mm       |
| — downwards   | 0 mm       |
| — at the side   | 0 mm       |
| for grounded parts                                      |            |
| — forwards  | 0 mm       |
| — backwards   | 0 mm       |
| — upwards   | 0 mm       |
| — at the side   | 0 mm       |
| — downwards   | 0 mm       |
| for live parts  |            |
| — forwards  | 0 mm       |
| — backwards   | 0 mm       |
| — upwards   | 0 mm       |
| — downwards   | 0 mm       |
| — at the side   | 0 mm       |
| mbient conditions                                       |            |
| installation altitude at height above sea level maximum | 2 000 m    |
| ambient temperature                                     |            |
| during operation  | -25 +55 °C |
| during storage  | -40 +70 °C |
| during transport  | -40 +70 °C |
| relative humidity during operation                      | 15 85 %    |
| invironmental footprint                                 |            |
| Environmental Product Declaration(EPD)                  | Yes        |
| Global Warming Potential [CO2 eq] total                 | 22.4 kg    |
| Global Warming Potential [CO2 eq] during manufacturing  | 1.34 kg    |
| Global Warming Potential [CO2 eq] during operation      | 21.2 kg    |
|   |            |
| Global Warming Potential [CO2 eq] after end of life     | -0.156 kg  |

**General Product Approval** 







Confirmation





EMV **Test Certificates** other **Environment** 



<u>KC</u>

Type Test Certificates/Test Report

Confirmation



Information on the packaging

https://support.industry.siemens.com/cs/ww/en/view/109813875

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

https://www.siemens.com/ic10

Industry Mall (Online ordering system)

https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=7PV1508-1AW30

Cax online generator

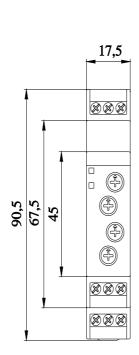
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=7PV1508-1AW30

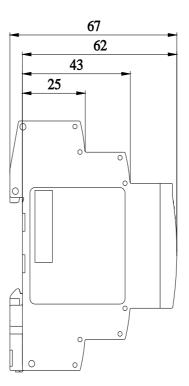
Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/7PV1508-1AW30

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

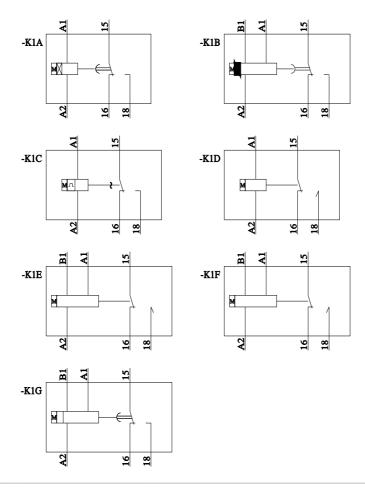
http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=7PV1508-1AW30&lang=en

**Characteristic: Derating** 





Alle Bemassungswerte sind in Millimeter (mm) angegeben All dimensions are in millimeters (mm)



last modified:

3/12/2024

