SIEMENS

Data sheet 7PV1518-1AJ30



Timing relay, electronic ON delay 1 change-over contact, 7 time ranges 0.05 s...100 h 110 V AC/DC, 0.7...1.15 x US Screw terminal

Figure similar

product brand name	SIRIUS
product designation	timing relay
design of the product	slow-operating
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
vibration resistance according to IEC 60068-2-6	10 55 Hz: 0.35 mm
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	К
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
Control circuit/ Control	
type of voltage of the control supply voltage	AC/DC
control supply voltage 1 at AC	
● at 50 Hz	90 127 V
• at 60 Hz	90 127 V
control supply voltage frequency 1	50 60 Hz
control supply voltage 1	
• at DC	90 127 V
operating range factor control supply voltage rated value at DC	
• initial value	0.85

• full-scale value operating range factor control supply voltage rated value at AC at 50 Hz • initial value • full-scale value operating range factor control supply voltage rated value at AC at 60 Hz • initial value • full-scale value 1.1 Switching Function switching function switching function • ON-delay • ON-delay (Non-delay) • (
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• pulse delayed/instantaneous No	
• pulse-shaping No	
• pulse-shaping/instantaneous No	
additive ON-delay/instantaneous No	
ON-delay/OFF-delay	
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/instantaneous contact	
• retrotriggerable with switched-on control signal No	
• retrotriggerable with switched-on control No 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 fuse gL/gG: 4 A switch required	
Auxiliary circuit	
material of switching contacts AgSnO2	
number of NC contacts	
• delayed switching 0	
• instantaneous contact 0	
number of NO contacts	
• delayed switching 0	
• instantaneous contact 0	
number of CO contacts	
delayed switching 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			
 due to burst according to IEC 61000-4-4 	2 kV network connection / 1 kV control connection		
 due to conductor-earth surge according to IEC 61000-4-5 	2 kV		
due to conductor-conductor surge according to IEC 61000-4-5	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			
type of insulation	Basic insulation		
category according to EN 954-1	none		
Connections/ Terminals			
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	4 (0.0 0.5 0)		
• solid	1x (0.2 2.5 mm²)		
finely stranded with core end processing	1x (0.25 1.5 mm²)		
finely stranded without core end processing	1x (0.2 1.5 mm²)		
for AWC cables stranded	1x (24 14)		
for AWG cables stranded approach be conductor areas section.	1x (24 14)		
connectable conductor cross-section	0.2 2.5 m ²		
Solid Inclustranded with core and processing	0.2 2.5 m ² 0.25 1.5 m ²		
finely stranded with core end processingfinely stranded without core end processing	0.2 5 1.5 m ²		
AWG number as coded connectable conductor cross section	V.Z 1.0 III		
• solid	24 14		
stranded	24 14		
Installation/ mounting/ dimensions	21		
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			
 with side-by-side mounting 			
— 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		
Ambient 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 %		
Certificates/ approvals			
General Product Approval		EMC	Declaration of Conformity



Confirmation









Declaration of Conother **Environment** formity



Confirmation

Environmental Confirmations

Siemens has decided to exit the Russian market (see here).

https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business

Siemens is working on the renewal of the current EAC certificates.

Please contact your local Siemens office on the status of validity of the EAC certification if you intend to import or offer to supply these products to an EAC relevant market (other than the sanctioned EAEU member states Russia or Belarus).

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=7PV1518-1AJ30

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=7PV1518-1AJ30

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

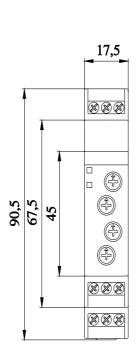
https://support.industry.siemens.com/cs/ww/en/ps/7PV1518-1AJ30

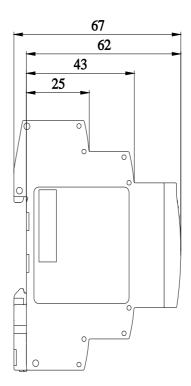
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=7PV1518-1AJ30&lang=en

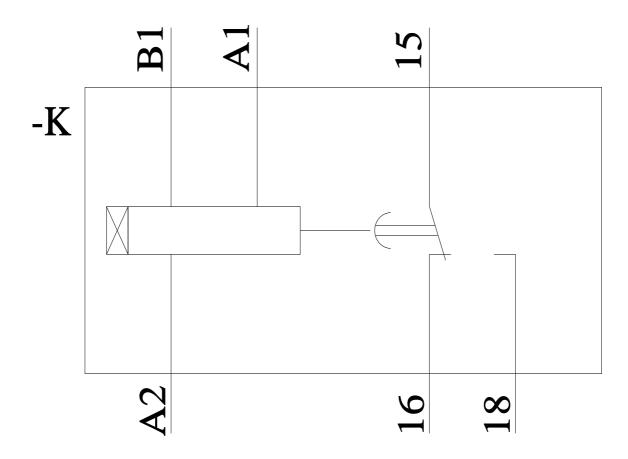
Characteristic: Derating

https://support.industry.siemens.com/cs/ww/en/ps/7PV1518-1AJ30/manual





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



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