## **SIEMENS**

Data sheet 7PV1513-1AP30



Timing relay, electronic ON delay 1 change-over contact, 1 time range 5...100 s 24 V/230 V AC and 24 V DC with LED, Screw terminal

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	5 100 s	
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	200 240 V	
● at 60 Hz	200 240 V	
control supply voltage 2 at AC		
• at 50 Hz rated value	24 V	
at 60 Hz rated value	24 V	
control supply voltage frequency 1	50 60 Hz	
control supply voltage 1		
at DC rated value	24 V	
operating range factor control supply voltage rated value at		

DC	0.05
• initial value	0.85
full-scale value	1.1
operating range factor control supply voltage rated value at AC at 50 Hz	
• initial value	0.85
• full-scale value	1.1
operating range factor control supply voltage rated value at AC at 60 Hz	
• initial value	0.85
• full-scale value	1.1
Switching Function	
switching function	
<ul> <li>ON-delay</li> </ul>	Yes
<ul> <li>ON-delay/instantaneous contact</li> </ul>	No
passing make contact	No
<ul> <li>passing make contact/instantaneous contact</li> </ul>	No
OFF delay	No
switching function	
<ul> <li>flashing symmetrically with interval start/instantaneous</li> </ul>	No
<ul> <li>flashing symmetrically with interval start</li> </ul>	No
flashing symmetrically with pulse start/instantaneous	No
flashing symmetrically with pulse start	No
flashing asymmetrically with interval start	No
flashing asymmetrically with pulse start	No
switching function	No
star-delta circuit with delay time     star delta circuit	No No
star-delta circuit     switching function with control signal	No
switching function with control signal	No
additive ON-delay     passing break contact	No
<ul><li>passing break contact</li><li>passing break contact/instantaneous</li></ul>	No
passing break contact/instantaneous     OFF delay	No
OFF delay/instantaneous	No
pulse delayed	No
pulse delayed/instantaneous	No
pulse-shaping	No
pulse-shaping/instantaneous	No
additive ON-delay/instantaneous	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	
<ul> <li>retrotriggerable with deactivated control signal/instantaneous contact</li> </ul>	No
• retrotriggerable with switched-on control signal	No
<ul> <li>retrotriggerable with switched-on control signal/instantaneous contact</li> </ul>	No
<ul> <li>retriggerable with deactivated control signal</li> </ul>	No
design of the control terminal non-floating	No
Short-circuit protection	
design of the fuse link for short-circuit protection of the auxiliary switch required	fuse gL/gG: 4 A
Auxiliary circuit	
material of switching contacts	AgSnO2
number of NC contacts	
<ul> <li>delayed switching</li> </ul>	0
• instantaneous contact	0
number of NO contacts	
<ul><li>delayed switching</li></ul>	0
• instantaneous contact	0

elicity of switching   1		
persistantaneous contact operational current of auxiliary contacts at AC-15	number of CO contacts	
operational current of auxiliary contacts at AC-15  • maximum • at 28 V • at	<ul> <li>delayed switching</li> </ul>	
* miximum	instantaneous contact	0
* at 24 V	operational current of auxiliary contacts at AC-15	
# 1250 V	• maximum	3 A
Special current of auxiliary contacts as NC contact at AC-15   * at 12 4 V   * at 250 V   3 A	● at 24 V	3 A
AC-15	• at 250 V	3 A
+ al 28 V   3 A		
		2.4
Special current of auxiliary contacts as NO contact at AC-15     • at 24 V     • at 250 V     operational current of auxiliary contacts at DC-13     • at 250 V     operational current of auxiliary contacts at DC-13     • at 125 V     • at 125 V     • at 125 V     operating frequency with 3RT2 contactor maximum     contact reliability of auxiliary contacts     contact interference     conducted     contact aliability     contact a		
AC-15		SA
operational current of auxiliary contacts at DC-13 operational current of auxiliary contacts at DC-13 operational current of auxiliary contacts at DC-13 operating frequency with 3RT2 contactor maximum operating of auxiliary contacts contact reliability of auxiliary contacts according to UL switching capacity current with inductive load inputs/ Outnuity product function operating frequency with switchover delayed/without delay on on-volatile  on-on-volatile		
operational current of auxiliary contacts at DC-13 operational current of auxiliary contacts at DC-13 * at 125 V * at 125 V * operating frequency with 3RT2 contactor maximum operating frequency with 3RT2 contactor maximum operating frequency with 3RT2 contactor maximum contact reliability of auxiliary contacts moleonator tensing of auxiliary contacts according to UL contact reting of auxiliary contacts according to UL Rt50 / 8300 switching capacity current with inductive load operating frequency with 3RT2 contact maximum ** of the relay outputs switchover delayed/without delay ** on on-volatile ** on on-volatile ** Eact-on-agnetic compatibility ** EMC immunity according to IEC 61812-1 ** of use to conductor-earth surge according to IEC 61000-4-2 ** due to conductor-earth surge according to IEC 61000-4-5 ** due to conductor-enductor surge according to IEC 61000-4-5 ** of use to burst according to IEC 61000-4-2 ** due to conductor-conductor surge according to IEC 61000-4-2 ** due to conductor-conductor surge according to IEC 61000-4-3 ** of totoload-4 ** of use to conductor-conductor surge according to IEC 61000-4-3 ** of totoload-4 ** of use to conductor-conductor surge according to IEC 61000-4-3 ** of totoload-4 ** of use to conductor-conductor surge according to IEC 61000-4-3 ** of totoload-4	• at 24 V	3 A
operational current of auxiliary contacts at DC-13	● at 250 V	3 A
at 124 V at 125 V at 125 V cat 250 V 0.1 A Operating frequency with 3RT2 contactor maximum 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 switching capacity current with inductive load operating of auxiliary contacts according to UL switching capacity current with inductive load operating of auxiliary contacts according to UL switching capacity current with inductive load operating of auxiliary contacts according to UL switching capacity current with inductive load operating of auxiliary contacts on the relay outputs switchover delayed/without delay on-on-volatile of the relay outputs switchover delayed/without delay on-on-volatile on-on-volatile on-on-volatile electromagnetic compatibility  EMC immunity according to IEC 61812-1  conducted interference of use to burst according to IEC 61800-4-3 of use to conductor-carding to IEC 61000-4-5 of use to conductor-carding to IEC 61000-4-5 of use to conductor-carding to IEC 61000-4-3 of use to conductor-conductor surge according to IEC 61000-4-3 of lectrostatic discharge according to IEC 61000-4-2 of vice to conductor-conductor surge according to IEC 61000-4-3 of electrostatic discharge according	operational current of auxiliary contacts at DC-13	1 0.01
and 125 V operating frequency with 3RT2 contactor maximum contact reliability of auxiliary contacts  contact rating of auxiliary contacts contact rating of auxiliary contacts contact rating of auxiliary contacts according to UL switching capacity current with inductive load maximum (a) 0.013 A imputs/ Outputs  product function at the relay outputs switchover delayed/without delay a non-volatile  An outputs/ Outputs  Electromagnetic compatibility  EMC immunity according to IEC 61802-1  a due to burst according to IEC 61800-4-4 a due to conductor-contouctor surge according to IEC 61000-4-5  a due to conductor-contouctor surge according to IEC 61000-4-5  a due to conductor-contouctor surge according to IEC 61000-4-2  field-based interference  olic to static discharge according to IEC 61000-4-2  field-based interference according to IEC 61000-4-2  field-based interference according to IEC 61000-4-3  field-based interference according to IEC 61000-4-2  field-based interfer	operational current of auxiliary contacts at DC-13	
operating frequency with 3RT2 contactor maximum contact reliability of auxillary contacts contact rating of auxillary contacts contact rating of auxillary contacts according to UL switching capacity current with inductive load operating of auxillary contacts according to UL switching capacity current with inductive load operating of auxillary contacts according to UL switching capacity current with inductive load operating of auxillary contacts according to UL switching capacity current with inductive load operating of auxillary contacts on the relay outputs switchover delayed/without delay onon-volatile EMC immunity according to IEC 61812-1 EMC immunity according to IEC 61812-1 conducted interference of use to burst according to IEC 61800-4-4 of use to conductor-centh surge according to IEC 61000-4-5 of use to conductor-conductor surge according to IEC 61000-4-5 of use to conductor-conductor surge according to IEC 61000-4-5 of use to conductor-conductor surge according to IEC 61000-4-5 of lead-based interference according to IEC 61000-4-2 of leater osatic discharge according to IEC 61000-4-2 one of leater osatic discharge according to IEC 61000-4-2 one of leater osatic discharge according to IEC 61000-4-2 of leater osatic discharge according to IEC 61000-4-2 of leater osatic discharge according to IEC 61000-4-2 of leater osatic discharge according to IEC 61000-4-3 one osatic discharge according to IEC 61000-4-3 one osatic disch	• at 24 V	1 A
operating frequency with 3RT2 contactor maximum contact reliability of auxiliary contacts maximum (an eincorrect switching operation of 100 million switching operations (17 V. 5 m/k) contact rating of auxiliary contacts according to UL R150 / B300 (a.) a. A switching capacity current with inductive load (b.) a. A switching capacity current with inductive load (b.) a. A switching capacity current with inductive load (b.) a. A switching capacity current with inductive load (b.) a. A switching capacity current with inductive load (b.) a. A switching capacity current with inductive load (b.) a. A switching capacity current with inductive load (b.) a. A switching capacity current with inductive load (b.) a. A switching capacity current with inductive load (b.) a. A switching capacity current with inductive load (b.) a. A switching capacity current with inductive load (b.) a. A switching capacity current with inductive load (b.) a. A switching capacity current with inductive load (b.) a. A switching capacity current with inductive load (b.) a. A switching capacity current with inductive load (b.) a. A switching capacity current with inductive load (b.) a. A switching capacity current with inductive load (b.) a. A switching capacity current with inductive load (b.) a. A switching capacity current with inductive composition (b.) a. B switching capacity current with inductive conductor conductor surge according to IEC 61000-4-4 (b.) a. A switching conductor con	• at 125 V	0.22 A
contact reliability of auxiliary contacts contact rating of auxiliary contacts according to UL R150/ B300 switching capacity current with inductive load inputs/ Outputs  product function at the relay outputs switchover delayed/without delay non-volatile  BMC immunity according to IEC 61812-1 conducted interference due to burst according to IEC 61800-4-4 due to conductor-aarth surge according to IEC 61000-4-5 due to conductor-conductor surge according to IEC 61000-4-3 due to conductor-conductor surge according to IEC 61000-4-2 due to conductor-conductor surge according to IEC 61000-4-3 due to conductor-onductor surge according to IEC 61000-4-3 felectrostatic discharge according to IEC 61000-4-2 due to conductor-onductor surge according to IEC 61000-4-3 due to conductor-onductor surge according to IEC 61000-4-3 due to conductor-onductor surge according to IEC 61000-4-3 due to conductor-onductor surge according to IEC 61000-4-2 due to conductor-onductor surge according to IEC 61000-4-3 due to conductor-onductor surge according to IEC 61000-4-2 due to conductor-onductor surge according to IEC 61000-4-3 due to conductor removable terminal for auxiliary and control circuit type of electrical connectable conductor cross-sections solid finely stranded with core end processing for AWG cables solid finely stranded with core end processing for AWG cables stranded without core end processing for AWG number as coded connectable conductor cross-section solid finely stranded without core end processing finely stranded without core end processing for AWG number as coded connectable conductor cross-section solid finely stranded without core end processing finely stranded without core end processing for AWG number as coded connectable conductor c	• at 250 V	0.1 A
mA) switching of auxiliary contacts according to UL switching capacity current with inductive load switching capacity current with inductive load sold inputs/  product function	operating frequency with 3RT2 contactor maximum	5 000 1/h
contact rating of auxillary contacts according to UL switching capacity current with inductive load nyotal Ottors  product function • at the relay outputs switchover delayed/without delay • non-volatile EMC immunity according to IEC 61812-1 EMC immunity according to IEC 61812-1 • due to conducted interference • due to burst according to IEC 61000-4-4 • due to conductor cardin surge according to IEC 61000-4-5 • due to conductor conductor-arth surge according to IEC 61000-4-5 • due to conductor-burst according to IEC 61000-4-2 • due to conductor-orductor surge according to IEC 61000-4-3 • due to conductor-arth surge according to IEC 61000-4-3 • due to conductor-orductor surge according to IEC 61000-4-3 • due to conductor-orductor surge according to IEC 61000-4-3 • due to conductor-orductor surge according to IEC 61000-4-2 • due to conductor-orductor surge according to IEC 61000-4-3 • fletd-based interference according to IEC 61000-4-2 • due to conductor data type of insulation category according to EN 954-1 none  Connectable orductor cross-sections • solid • finely stranded with core end processing • for AWG cables stranded • finely stranded with core end processing • for AWG cables stranded • finely stranded with core end processing • finely stranded wi	contact reliability of auxiliary contacts	
switching capacity current with inductive load inputs/ Outputs  product function		·
Imputs/ Outputs  product function  at the relay outputs switchover delayed/without delay  non-volatile  EMC immunity according to IEC 61812-1  Conducted inferference  due to burst according to IEC 61000-4-2  due to conductor-earth surge according to IEC 61000-4-5  field-based interference according to IEC 61000-4-3  field-based interference accordi		
product function at the relay outputs switchover delayed/without delay non-volatile  EMC immunity according to IEC 61812-1 conducted interference due to burst according to IEC 61000-4-4 due to conductor-earth surge according to IEC 61000-4-5 due to conductor-conducter surge according to IEC 61000-4-5 due to conductor-conductor surge according to IEC 61000-4-2 due to conductor-conductor surge according to IEC 61000-4-2 due to conductor-conductor to IEC 61000-4-3 due to conductor conductor to IEC 61000-4-3 due to conductor		0.01 3 A
• at the relay outputs switchover delayed/without delay • non-volatile  Electromagnetic compatibility  EMC immunity according to IEC 61812-1  conducted interference • due to burst according to IEC 61000-4-4 • due to conductor-arth surge according to IEC 61000-4-5 • due to conductor-conductor surge according to IEC 61000-4-5 • due to conductor-conductor surge according to IEC 61000-4-3 • due to conductor-conductor surge according to IEC 61000-4-3 • due to conductor-conductor surge according to IEC 61000-4-3 • delectrostatic discharge according to IEC 61000-4-2 • delectrostatic flischarge according to IEC 61000-4-3 • none  Connections/ Terminals  product component removable terminal for auxiliary and control circuit  type of electrical connection for auxiliary and control circuit  type of connectable conductor cross-sections • solid • finely stranded with core end processing • finely stranded with		
Electromagnetic compatibility  EMC immunity according to IEC 61812-1  EM 61000-6-2  conducted interference  • due to burst according to IEC 61000-4-4 • due to conductor-earth surge according to IEC 61000-4-5 • due to conductor-conductor surge according to IEC 61000-4-5 • due to conductor-conductor surge according to IEC 61000-4-5 • due to conductor-conductor surge according to IEC 61000-4-3 • due to conductor-conductor surge according to IEC 61000-4-3 • due to conductor-conductor surge according to IEC 61000-4-3 • due to conductor-conductor surge according to IEC 61000-4-3 • field-based interference according to IEC 61000-4-3 • A kV contact discharge /8 kV air discharge  Safety related data  type of insulation  category according to EN 954-1  Connections/ Terminals  product component removable terminal for auxiliary and control circuit  type of electrical connection for auxiliary and control circuit  screw-type terminals  • solid • finely stranded with core end processing • finely stranded with core end processing • for AWG cables solid • finely stranded with core end processing • for AWG cables stranded  • connectable conductor cross-section • solid • finely stranded with core end processing • solid • finely stranded with core end processing • solid • solid • solid • stranded • solid • stranded • stranded • solid • stranded • s	•	
EMC immunity according to IEC 61812-1 EN 61000-6-2  conducted interference		
EMC immunity according to IEC 61812-1 EN 61000-6-2  conducted interference  • due to burst according to IEC 61000-4-4 • due to conductor-earth surge according to IEC 61000-4-5 • due to conductor-conductor surge according to IEC 61000-4-5 • due to conductor-conductor surge according to IEC 61000-4-5 • due to conductor-conductor surge according to IEC 61000-4-5 • due to conductor-conductor surge according to IEC 61000-4-2 • due to conductor-conductor surge according to IEC 61000-4-2 • due to conductor-conductor surge according to IEC 61000-4-2 • due to conductor-conductor surge according to IEC 61000-4-2 • due to conductor-conductor surge according to IEC 61000-4-2 • due to conductor description of IEC 61000-4-2 • due to conductor cross-sections • solid • finely stranded with core end processing • solid • finely stranded with core end processing • solid • finely stranded with core end processing • solid • stranded • stranded • solid • stranded • s		No
due to burst according to IEC 61000-4-4  • due to conductor-earth surge according to IEC 61000-4-5  • due to conductor-conductor surge according to IEC 61000-4-5  field-based interference according to IEC 61000-4-3  electrostatic discharge according to IEC 61000-4-2  Ak V contact discharge / 8 kV air discharge  Safety related data  type of insulation  category according to EN 954-1  Connections/ Torminals  Product component removable terminal for auxiliary and control circuit  type of connection for auxiliary and control circuit  type of connection connection for auxiliary and control circuit  type of spatial discharge according to IEC 61000-4-2  • solid  • finely stranded with core end processing  • for AWG cables solid  • for AWG cables stranded  connectable conductor cross-section  • solid  • finely stranded with core end processing  • for AWG cables stranded  connectable conductor cross-section  • solid  • finely stranded with core end processing  • for AWG cables stranded  connectable conductor cross-section  • solid  • finely stranded with core end processing  • finely stranded with core end processing  • finely stranded with core end processing  • solid  • finely stranded with core end processing  • solid  • finely stranded with core end processing  • solid  • finely stranded without core end processing  • solid  • solid  • finely stranded without core end processing  • solid		
due to conductor-earth surge according to IEC 61000-4-5 due to conductor-conductor surge according to IEC 61000-4-5 field-based interference according to IEC 61000-4-3 field-based interference according to IEC 61000-4-3 field-based interference according to IEC 61000-4-2 field-based interference according to IEC 61000-4-3 field-based interference according to IEC 61000-4-2 field-based interference according to IEC 61000-4-2 field-based interference according to IEC 61000-4-2 field-based interference according to IEC 61000-4-3 field-based interference according to IEC 61000-4-3 field-based interference according to IEC 61000-4-2 field-based interference according to IEC 61000-4-2 field-based interference according to IEC 61000-4-2 field-based interference according to IV IV field-based interference acco	· · · · · · · · · · · · · · · · · · ·	EN 61000-6-2
due to conductor-carth surge according to IEC 61000-4-5 due to conductor-conductor surge according to IEC 61000-4-5 field-based interference according to IEC 61000-4-2 delectrostatic discharge according to IEC 61000-4-2 delectrostatic discharge according to IEC 61000-4-2 delectrostatic discharge according to IEC 61000-4-2 safety related data type of insulation  category according to EN 954-1 none  Connections/ Terminals  product component removable terminal for auxiliary and control circuit type of electrical connection for auxiliary and control circuit type of electrical connection for auxiliary and control circuit type of connectable conductor cross-sections		
due to conductor-conductor surge according to IEC 61000-4-5  field-based interference according to IEC 61000-4-2  A kV contact discharge / 8 kV air discharge  Safety related data  type of insulation Category according to EN 954-1  Connections/ Terminals  product component removable terminal for auxiliary and control circuit  type of electrical connection for auxiliary and control circuit  screw-type terminals  + solid  finely stranded without core end processing  for AWG cables solid  for AWG cables stranded  finely stranded with core end processing  solid  solid  solid  stranded  4 u. 14  stranded  stranded  any  mounting position	-	
field-based interference according to IEC 61000-4-3 field-based interference according to IEC 61000-4-2 4 kV contact discharge / 8 kV air discharge  safety related data  type of insulation category according to EN 954-1 none  Connections/ Terminals  product component removable terminal for auxiliary and control circuit type of electrical connection for auxiliary and control circuit type of connectable conductor cross-sections • solid • finely stranded with core end processing • finely stranded without core end processing • for AWG cables stranded  connectable conductor cross-section • solid • finely stranded with core end processing • solid • finely stranded with core end processing • solid • solid • stranded • stranded • stranded • stranded  any		
electrostatic discharge according to IEC 61000-4-2  Safety related data  type of insulation category according to EN 954-1  Connections/ Terminals  product component removable terminal for auxiliary and control circuit  type of electrical connection for auxiliary and control circuit  type of connectable conductor cross-sections  • solid • finely stranded with core end processing • for AWG cables stranded • for AWG cables stranded • finely stranded with core end processing • for AWG cables stranded • for all all all all all all all all all al		1 KV
electrostatic discharge according to IEC 61000-4-2  Safety related data  type of insulation category according to EN 954-1  Connections/ Terminals  product component removable terminal for auxiliary and control circuit  type of electrical connection for auxiliary and control circuit  type of connectable conductor cross-sections  • solid • finely stranded with core end processing • for AWG cables stranded • for AWG cables stranded • finely stranded with core end processing • for AWG cables stranded • for all all all all all all all all all al	field-based interference according to IEC 61000-4-3	10 V/m
type of insulation category according to EN 954-1 none  Connections/ Terminals  product component removable terminal for auxiliary and control circuit type of electrical connection for auxiliary and control circuit type of electrical connection for auxiliary and control circuit  type of connectable conductor cross-sections	•	4 kV contact discharge / 8 kV air discharge
category according to EN 954-1  Connections/ Terminals  product component removable terminal for auxiliary and control circuit type of electrical connection for auxiliary and control circuit type of connectable conductor cross-sections  • solid  • finely stranded with core end processing • for AWG cables solid • for AWG cables stranded • for awG cables stranded • solid • solid • solid • solid • finely stranded with core end processing • for AWG cables of awd to a solid • for awG cables stranded • solid • finely stranded with core end processing • solid • solid • finely stranded with core end processing • solid • finely stranded with core end processing • finely stranded with core end processing • solid • solid • solid • solid • solid • stranded  AWG number as coded connectable conductor cross section • solid • stranded  • solid • stranded  24 14  Installation/ mounting/ dimensions  mounting position  none  No  No  1x (0.2 2.5 m²)  1x (0.2 1.5 m²)  1x (2.4 14)  1x (24 14)	Safety related data	
category according to EN 954-1  Connections/ Terminals  product component removable terminal for auxiliary and control circuit type of electrical connection for auxiliary and control circuit type of connectable conductor cross-sections  • solid  • finely stranded with core end processing • for AWG cables solid • for AWG cables stranded • for awG cables stranded • solid • solid • solid • solid • finely stranded with core end processing • for AWG cables of awd to a solid • for awG cables stranded • solid • finely stranded with core end processing • solid • solid • finely stranded with core end processing • solid • finely stranded with core end processing • finely stranded with core end processing • solid • solid • solid • solid • solid • stranded  AWG number as coded connectable conductor cross section • solid • stranded  • solid • stranded  24 14  Installation/ mounting/ dimensions  mounting position  none  No  No  1x (0.2 2.5 m²)  1x (0.2 1.5 m²)  1x (2.4 14)  1x (24 14)	type of insulation	Basic insulation
product component removable terminal for auxiliary and control circuit  type of electrical connection for auxiliary and control circuit  screw-type terminals  type of connectable conductor cross-sections  • solid • finely stranded with core end processing • finely stranded without core end processing • for AWG cables solid • for AWG cables stranded • for AWG cables stranded • for AWG cables stranded • finely stranded with core end processing • solid • finely stranded with core end processing • solid • finely stranded with core end processing • solid • finely stranded with core end processing • finely stranded with core end processing • finely stranded without core end processing • finely stranded without core end processing • solid • solid • stranded  AWG number as coded connectable conductor cross section • solid • stranded    stranded   24 14     stranded   24 14     Installation/ mounting/ dimensions	••	none
product component removable terminal for auxiliary and control circuit  type of electrical connection for auxiliary and control circuit  screw-type terminals  type of connectable conductor cross-sections  • solid • finely stranded with core end processing • finely stranded without core end processing • for AWG cables solid • for AWG cables stranded • for AWG cables stranded • for AWG cables stranded • finely stranded with core end processing • solid • finely stranded with core end processing • solid • finely stranded with core end processing • solid • finely stranded with core end processing • finely stranded with core end processing • finely stranded without core end processing • finely stranded without core end processing • solid • solid • stranded  AWG number as coded connectable conductor cross section • solid • stranded    stranded   24 14     stranded   24 14     Installation/ mounting/ dimensions	Connections/ Terminals	
type of connectable conductor cross-sections  • solid  • finely stranded with core end processing  • finely stranded without core end processing  • for AWG cables solid  • for AWG cables stranded  • solid  • finely stranded with core end processing  • finely stranded with core end processing  • finely stranded without core end processing  • finely stranded without core end processing  • finely stranded without core end processing  • solid  • solid  • solid  • stranded  • stranded  • stranded  • stranded  any		No
solid	type of electrical connection for auxiliary and control circuit	screw-type terminals
<ul> <li>finely stranded with core end processing</li> <li>finely stranded without core end processing</li> <li>finely stranded without core end processing</li> <li>for AWG cables solid</li> <li>for AWG cables stranded</li> <li>for AWG cables stranded</li> <li>x (24 14)</li> </ul> connectable conductor cross-section <ul> <li>solid</li> <li>finely stranded with core end processing</li> <li>finely stranded without core end processing</li> <li>finely stranded without core end processing</li> <li>22 1.5 m²</li> </ul> AWG number as coded connectable conductor cross section <ul> <li>solid</li> <li>solid</li> <li>stranded</li> </ul> 24 14 Installation/ mounting/ dimensions mounting position <ul> <li>any</li> </ul>	·	
<ul> <li>finely stranded without core end processing</li> <li>for AWG cables solid</li> <li>for AWG cables stranded</li> <li>for AWG cables stranded</li> <li>1x (24 14)</li> <li>connectable conductor cross-section</li> <li>solid</li> <li>finely stranded with core end processing</li> <li>finely stranded without core end processing</li> <li>finely stranded without core end processing</li> <li>22 1.5 m²</li> <li>AWG number as coded connectable conductor cross section</li> <li>solid</li> <li>stranded</li> <li>stranded</li> <li>the stranded strands of the strands</li></ul>	• solid	1x (0.2 2.5 mm²)
<ul> <li>for AWG cables solid</li> <li>for AWG cables stranded</li> <li>1x (24 14)</li> <li>connectable conductor cross-section</li> <li>solid</li> <li>finely stranded with core end processing</li> <li>finely stranded without core end processing</li> <li>finely stranded without core end processing</li> <li>AWG number as coded connectable conductor cross section</li> <li>solid</li> <li>stranded</li> <li>stranded</li> <li>1x (24 14)</li> <li>stranded</li> <li>24 14</li> <li>stranded</li> <li>installation/ mounting/ dimensions</li> <li>any</li> </ul>	<ul> <li>finely stranded with core end processing</li> </ul>	1x (0.25 1.5 mm²)
for AWG cables stranded         1x (24 14)  connectable conductor cross-section         solid         0.2 2.5 m²         finely stranded with core end processing         finely stranded without core end processing         0.2 1.5 m²  AWG number as coded connectable conductor cross section         solid         solid         stranded         24 14         stranded  Installation/ mounting/ dimensions  mounting position  1x (24 14)  0.2 2.5 m²  0.25 1.5 m²  0.2 1.5 m²  1.5 m²  24 14  24 14  Installation/ mounting/ dimensions  any	<ul> <li>finely stranded without core end processing</li> </ul>	1x (0.2 1.5 mm²)
connectable conductor cross-section  • solid  • finely stranded with core end processing  • finely stranded without core end processing  • finely stranded without core end processing  • Solid  • solid  • stranded  • stranded  Installation/ mounting/ dimensions  mounting position  • any	• for AWG cables solid	1x (24 14)
solid     finely stranded with core end processing     finely stranded without core end processing     finely stranded without core end processing  AWG number as coded connectable conductor cross section     solid     solid     stranded     stranded  Installation/ mounting/ dimensions  mounting position  O.2 2.5 m²  O.2 1.5 m²  O.2	• for AWG cables stranded	1x (24 14)
• finely stranded with core end processing     • finely stranded without core end processing  AWG number as coded connectable conductor cross section     • solid     • stranded     • stranded  Installation/ mounting/ dimensions  mounting position  0.25 1.5 m² 0.2	connectable conductor cross-section	
• finely stranded without core end processing  AWG number as coded connectable conductor cross section     • solid     • stranded     • stranded  Installation/ mounting/ dimensions  mounting position  0.2 1.5 m²  24 14  24 14  any	• solid	0.2 2.5 m <sup>2</sup>
AWG number as coded connectable conductor cross section  • solid • stranded  • stranded  Installation/ mounting/ dimensions  mounting position  any	<ul> <li>finely stranded with core end processing</li> </ul>	0.25 1.5 m <sup>2</sup>
section  • solid • stranded  • stranded  • stranded  Installation/ mounting/ dimensions  mounting position  any	finely stranded without core end processing	0.2 1.5 m²
• stranded 24 14 Installation/ mounting/ dimensions mounting position any		
Installation/ mounting/ dimensions  mounting position any	• solid	24 14
mounting position any	• stranded	24 14
	Installation/ mounting/ dimensions	
fastening method snap-on fastening on 35 mm DIN rail	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			
<ul> <li>during operation</li> </ul>	-25 +55 °C		
during storage	-40 +70 °C		
during transport	-40 +70 °C		
relative humidity during operation	15 85 %		
Sertificates/ approvals			
General Product Approval		EMC	Declaration of Con



**General Product Approval** 

Confirmation









**Declaration of Con**formity

**Test Certificates** 

other

**Environment** 



Type Test Certificates/Test Report

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=7PV1513-1AP30

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=7PV1513-1AP30

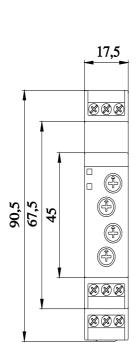
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

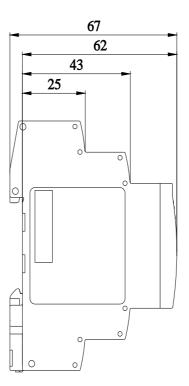
https://support.industry.siemens.com/cs/ww/en/ps/7PV1513-1AP30

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

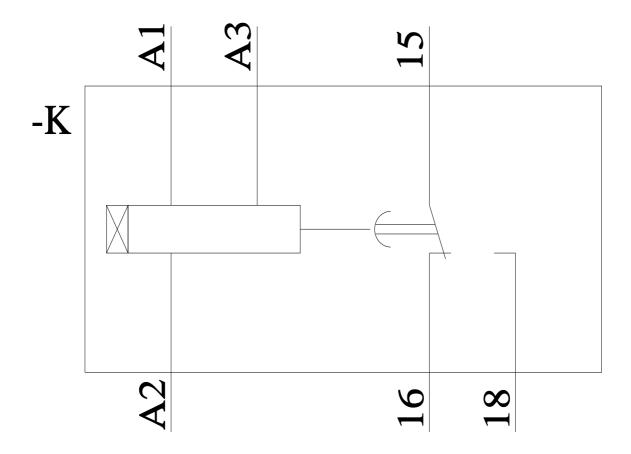
http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=7PV1513-1AP30&lang=en

**Characteristic: Derating** 

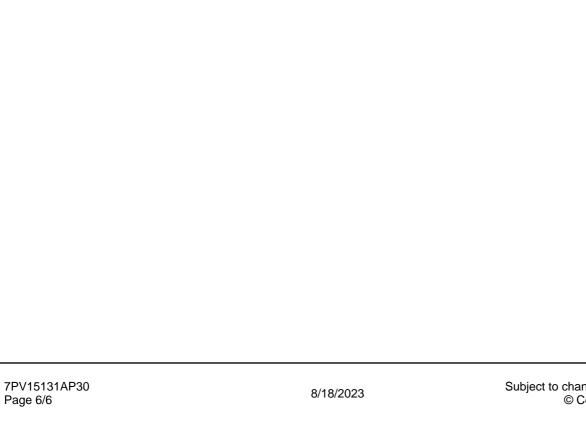




Alle Bemassungswerte sind in Millimeter (mm) angegeben All dimensions are in millimeters (mm)



last modified: 11/21/2022 🖸



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