## SIEMENS

## Data sheet

## 7PV1578-1BW30



Timing relay, electronic with star-delta (wye-delta) function 2 NO 7 time ranges 0.05 s...100 h 12-240 V AC/DC Screw terminal

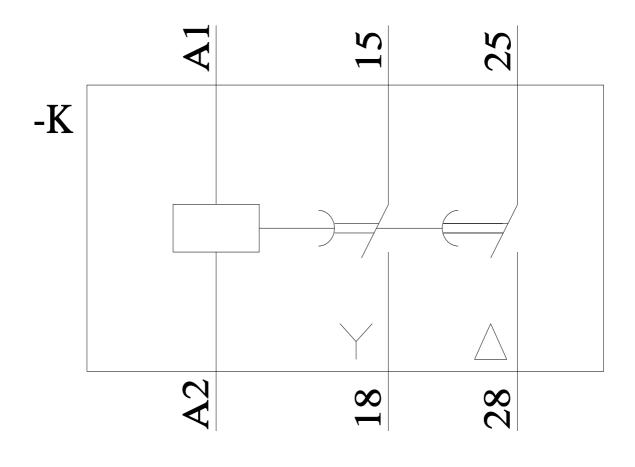
product brand name	SIRIUS				
product designation	timing relay				
design of the product	Star-delta (wye-delta) function				
product type designation	7PV15				
General technical data					
product component semi-conductor output	No				
product extension required remote control	No				
product extension 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 (switching cycles) typical	10 000 000				
electrical endurance (switching 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	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				

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

<ul> <li>instantaneous contact</li> </ul>	0
Instantaneous contact     number of CO contacts	0
delayed switching	0
instantaneous contact	0
operational current of auxiliary contacts at AC-15	0
maximum	3 A
• at 24 V	3 A
• at 250 V	3 A
	54
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	
<ul> <li>at the relay outputs switchover delayed/without delay</li> </ul>	No
-	No
<ul> <li>non-volatile</li> </ul>	INU
	INC
Electromagnetic compatibility	EN 61000-6-2
Electromagnetic compatibility EMC immunity according to IEC 61812-1	
Electromagnetic compatibility 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	EN 61000-6-2
Electromagnetic compatibility 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-conductor surge according to IEC	EN 61000-6-2 2 kV network connection / 1 kV control connection
Electromagnetic compatibility 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-conductor surge according to IEC 61000-4-5	EN 61000-6-2 2 kV network connection / 1 kV control connection 2 kV 1 kV
Electromagnetic compatibility 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-conductor surge according to IEC 61000-4-5 field-based interference according to IEC 61000-4-3	EN 61000-6-2 2 kV network connection / 1 kV control connection 2 kV 1 kV 10 V/m
Electromagnetic compatibility 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-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	EN 61000-6-2 2 kV network connection / 1 kV control connection 2 kV 1 kV
Electromagnetic compatibility 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-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 Safety related data	EN 61000-6-2 2 kV network connection / 1 kV control connection 2 kV 1 kV 10 V/m 4 kV contact discharge / 8 kV air discharge
Electromagnetic compatibility 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-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 Safety related data type of insulation	EN 61000-6-2 2 kV network connection / 1 kV control connection 2 kV 1 kV 10 V/m 4 kV contact discharge / 8 kV air discharge Basic insulation
Electromagnetic compatibility 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-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 Safety related data type of insulation category according to EN 954-1	EN 61000-6-2 2 kV network connection / 1 kV control connection 2 kV 1 kV 10 V/m 4 kV contact discharge / 8 kV air discharge
Electromagnetic compatibility 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-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 Safety related data type of insulation category according to EN 954-1 Connections/ Terminals	EN 61000-6-2 2 kV network connection / 1 kV control connection 2 kV 1 kV 10 V/m 4 kV contact discharge / 8 kV air discharge Basic insulation none
Electromagnetic compatibility 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-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 Safety related data type of insulation category according to EN 954-1 Connections/ Terminals product component removable terminal for auxiliary and control circuit	EN 61000-6-2 2 kV network connection / 1 kV control connection 2 kV 1 kV 10 V/m 4 kV contact discharge / 8 kV air discharge Basic insulation none No
Electromagnetic compatibility 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-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 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	EN 61000-6-2 2 kV network connection / 1 kV control connection 2 kV 1 kV 10 V/m 4 kV contact discharge / 8 kV air discharge Basic insulation none
Electromagnetic compatibility 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-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 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	EN 61000-6-2 2 kV network connection / 1 kV control connection 2 kV 1 kV 10 V/m 4 kV contact discharge / 8 kV air discharge Basic insulation none No screw-type terminals
Electromagnetic compatibility 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-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 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 connectable conductor cross-sections • solid	EN 61000-6-2 2 kV network connection / 1 kV control connection 2 kV 1 kV 10 V/m 4 kV contact discharge / 8 kV air discharge Basic insulation none No screw-type terminals 1x (0.2 2.5 mm <sup>2</sup> )
Electromagnetic compatibility 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-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 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	EN 61000-6-2 2 kV network connection / 1 kV control connection 2 kV 1 kV 10 V/m 4 kV contact discharge / 8 kV air discharge Basic insulation none No screw-type terminals 1x (0.2 2.5 mm <sup>2</sup> ) 1x (0.25 1.5 mm <sup>2</sup> )
Electromagnetic compatibility 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-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 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 • finely stranded without core end processing	EN 61000-6-2 2 kV network connection / 1 kV control connection 2 kV 1 kV 10 V/m 4 kV contact discharge / 8 kV air discharge Basic insulation none No screw-type terminals 1x (0.2 2.5 mm <sup>2</sup> ) 1x (0.2 1.5 mm <sup>2</sup> ) 1x (0.2 1.5 mm <sup>2</sup> )
Electromagnetic compatibility 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-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 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 • at AWG cables solid	EN 61000-6-2 2 kV network connection / 1 kV control connection 2 kV 1 kV 10 V/m 4 kV contact discharge / 8 kV air discharge Basic insulation none No screw-type terminals $1x (0.2 2.5 mm^2)$ $1x (0.25 1.5 mm^2)$ $1x (0.2 1.5 mm^2)$ 1x (24 14)
Electromagnetic compatibility EMC immunity according to IEC 61812-1 conducted interference <ul> <li>due to burst according to IEC 61000-4-4</li> <li>due to conductor-earth surge according to IEC 61000-4-5</li> <li>due to conductor-conductor surge according to IEC 61000-4-5</li> </ul> <li>field-based interference according to IEC 61000-4-3 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             <ul> <li>solid</li> <li>finely stranded with core end processing</li> <li>at AWG cables solid</li> <li>at AWG cables stranded</li> </ul> </li>	EN 61000-6-2 2 kV network connection / 1 kV control connection 2 kV 1 kV 10 V/m 4 kV contact discharge / 8 kV air discharge Basic insulation none No screw-type terminals 1x (0.2 2.5 mm <sup>2</sup> ) 1x (0.2 1.5 mm <sup>2</sup> ) 1x (0.2 1.5 mm <sup>2</sup> )
Electromagnetic compatibility 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-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 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 • at AWG cables solid • at AWG cables solid • at AWG cables stranded connectable conductor cross-section	EN 61000-6-2 2 kV network connection / 1 kV control connection 2 kV 1 kV 10 V/m 4 kV contact discharge / 8 kV air discharge Basic insulation none No screw-type terminals $1x (0.2 2.5 mm^2)$ $1x (0.2 1.5 mm^2)$ $1x (0.2 1.5 mm^2)$ 1x (24 14) 1x (24 14)
Electromagnetic compatibility         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-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         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 connectable conductor cross-sections         • solid         • finely stranded with core end processing         • at AWG cables solid         • at AWG cables solid         • at AWG cables stranded         connectable conductor cross-section	EN 61000-6-2 2 kV network connection / 1 kV control connection 2 kV 1 kV 10 V/m 4 kV contact discharge / 8 kV air discharge Basic insulation none No screw-type terminals $1x (0.2 2.5 mm^2)$ $1x (0.2 1.5 mm^2)$ $1x (0.2 1.5 mm^2)$ 1x (24 14) 1x (24 14) 1x (24 14)
Electromagnetic compatibility 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-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 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 • at AWG cables solid • at AWG cables stranded connectable conductor cross-section • solid • finely stranded with core end processing • at AWG cables stranded connectable conductor cross-section • solid • at AWG cables stranded connectable conductor cross-section • solid • finely stranded with core end processing	EN 61000-6-2 2 kV network connection / 1 kV control connection 2 kV 1 kV 10 V/m 4 kV contact discharge / 8 kV air discharge Basic insulation none No screw-type terminals $1x (0.2 2.5 mm^2)$ $1x (0.2 1.5 mm^2)$ $1x (0.2 1.5 mm^2)$ 1x (24 14) 1x (24 14) 1x (24 14)
Electromagnetic compatibility         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-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         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         at AWG cables solid         at AWG cables stranded         connectable conductor cross-section         • solid         • finely stranded with core end processing         • at AWG cables stranded         connectable conductor cross-section         • solid         • finely stranded with core end processing         • finely stranded with core end processing	EN 61000-6-2 2 kV network connection / 1 kV control connection 2 kV 1 kV 10 V/m 4 kV contact discharge / 8 kV air discharge Basic insulation none No screw-type terminals $1x (0.2 2.5 mm^2)$ $1x (0.2 1.5 mm^2)$ $1x (0.2 1.5 mm^2)$ 1x (24 14) 1x (24 14) 1x (24 14)
Electromagnetic compatibility 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-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 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 • at AWG cables solid • at AWG cables stranded connectable conductor cross-section • solid • finely stranded with core end processing • at AWG cables stranded Connectable conductor cross-section • solid • finely stranded with core end processing • at AWG cables stranded Connectable conductor cross-section • solid • finely stranded with core end processing • at AWG cables stranded Connectable conductor cross-section • solid • finely stranded with core end processing • finely stranded with core end processing • finely stranded without core end processing	EN 61000-6-2 2 kV network connection / 1 kV control connection 2 kV 1 kV 10 V/m 4 kV contact discharge / 8 kV air discharge Basic insulation none No screw-type terminals $1x (0.2 2.5 mm^2)$ $1x (0.2 1.5 mm^2)$ $1x (0.2 1.5 mm^2)$ 1x (24 14) 1x (24 14) 1x (24 14)
Electromagnetic compatibility         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-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         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         at AWG cables solid         at AWG cables stranded         connectable conductor cross-section         • solid         • finely stranded with core end processing         • at AWG cables stranded         connectable conductor cross-section         • solid         • finely stranded with core end processing         • finely stranded with core end processing	EN 61000-6-2 2 kV network connection / 1 kV control connection 2 kV 1 kV 10 V/m 4 kV contact discharge / 8 kV air discharge Basic insulation none No screw-type terminals $1x (0.2 2.5 mm^2)$ $1x (0.2 1.5 mm^2)$ $1x (0.2 1.5 mm^2)$ 1x (24 14) 1x (24 14) 1x (24 14)

<ul> <li>stranded</li> </ul>			24 14					
Installation/ mountin	nal dimonsions		24 14					
			0.01/					
	mounting position		any	factoring on 25	nm standard rail			
fastening method height			90 mm	1 fastening on 35 r	nm standard rail			
width			- 17.5 mn	0				
depth			66.7 mn					
required spacing			00.7 1111	11				
<ul> <li>with side-by-s</li> </ul>	ide mounting							
— forwards	-		0 mm					
— backwar			0 mm					
— upwards			0 mm					
	— downwards		0 mm					
— at the sid	— at the side		0 mm					
<ul> <li>for grounded</li> </ul>	parts							
— forwards			0 mm					
— backwar	ds		0 mm					
— upwards			0 mm					
— at the sid			0 mm					
— downwa	rds		0 mm					
<ul> <li>for live parts</li> </ul>								
— forwards	i		0 mm					
— backwar			0 mm					
— upwards			0 mm					
– downwa			0 mm					
— at the sid	— at the side		0 mm					
Ambient conditions								
	at height above sea level	maximum	2 000 m	1				
ambient temperatu	installation altitude at height above sea level maximum ambient temperature		-					
during operation		-25 +55 °C						
during operation     orage		-40 +70 °C						
during transport		-40 +70 °C						
relative humidity during operation		15 85 %						
Certificates/ approv	als							
Conorol Droduct /	) managed				FMC	Declaration of		
General Product A	Арргоvаі				EMC	Conformity		
<u>Confirmation</u>		UL UL		EHC	RCM			
Declaration of Conformity	Test Certificates	other						
CE EG-Konf.	<u>Type Test Certific-</u> ates/Test Report	Environmental firmations		<u>Confirmation</u>				
Further information								
	ownloadcenter (Catalo	gs, Brochures,.	)					
https://www.siemens.com/ic10 Industry Mall (Online ordering system) https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=7PV1578-1BW30 Cax online generator http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=7PV1578-1BW30 Service&Support (Manuals, Certificates, Characteristics, FAQs,)								
https://support.industry.siemens.com/cs/ww/en/ps/7PV1578-1BW30								

http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=7PV1578-1BW30&lang=en Characteristic: Derating https://support.industry.siemens.com/cs/ww/en/ps/7PV1578-1BW30/manual



last modified:

12/9/2021 🖸