SIEMENS

Data sheet 3RP2576-1NW30

0101110



Timing relay, electronic with star-delta (wye-delta) function 1 NO delayed 1 NO instantaneous 1 time range, 3...60 s 12-240 V AC/DC at 50/60 Hz AC with LED, Screw terminal

product brand name	SIRIUS		
product designation	timing relay		
design of the product	Star-delta (wye-delta) function		
product type designation	3RP25		
General technical data			
product component			
 relay output 	Yes		
semi-conductor output	No		
product extension required remote control	No		
product extension optional remote control	No		
power loss [W] maximum	2 W		
insulation voltage for overvoltage category III according to IEC 60664 with degree of pollution 3 rated value	300 V		
test voltage for isolation test	2.5 kV		
degree of pollution	3		
surge voltage resistance rated value	4 000 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	3 60 s		
relative setting accuracy relating to full-scale value	5 %; +/-		
thermal current	5 A		
recovery time	250 ms		
reference code according to IEC 81346-2	K		
relative repeat accuracy	1 %; +/-		
influence of the surrounding temperature	1% in the whole temperature range to the set runtime		
power supply influence	1% in the whole voltage range to the set runtime		
Substance Prohibitance (Date)	09/12/2014		
SVHC substance name	Blei - 7439-92-1 Bleimonoxid (Bleioxid) - 1317-36-8 2-Methyl-1-(4-methylthiophenyl)-2-morpho - 71868-10-5		
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		

Process Proc		
Mill value 0.8 1.5		
. Milesales value		0.8
AC at 50 Hz Initial value Initial		1.1
	initial value	0.8
AG at 60 Hz Initial value 0.8 Initial value 0.5 A at 24 V 0.5 A at 24 V 0.5 m at 25 m at 26 m at 26 m at 26 m at 27 m at 28 m	full-scale value	1.1
Finitial value 0.8 1.1	operating range factor control supply voltage rated value at	
	AC at 60 Hz	
at 24 V 0.5 A	• initial value	0.8
a 12 47 V	full-scale value	1.1
at 240 V duration of inrush current peak at 240 V at 240 V b Anne contact No	inrush current peak	
at 24 V 0,5 ms at 24 V 0,5 ms witching function Witching function O'N-delay instantaneous contact No - passing make contact/instantaneous contact No - o'Ff delay standard witching with interval start instantaneous No - flashing symmetrically with interval start No - flashing symmetrically with pulse start No - star-dela circuit with delay time No - star-dela	● at 24 V	0.5 A
a t2 42 V a t2 40 V b (5.5 ms witching Function switching function • ON-delay • ON-delay • ON-delay • ON-delay • passing make contact • passing make contact • Fashing asymmetrically with interval start instantaneous • flashing symmetrically with pulse start • flashing asymmetrically with pulse start instantaneous • switching function • stan-delta crout it with delay time • passing break contact instantaneous • pulse delayed • pulse delay	● at 240 V	5 A
wilching Function **ON-delay function** **ON-delay function	duration of inrush current peak	
witching function **ON-delay instantaneous contact	• at 24 V	0.4 ms
switching function ON delay ON-delay instantaneous contact passing make contact passing pasymmetrically with interval start passing pasymmetrically with pulse start/instantaneous passing pasymmetrically with pulse start passing bractor contact passing bract contact passing brack contact passing passing contact passing brack contact passing passing brack contact passing passing passing passing passing brack passing passing passing passing passing brack passing passi	• at 240 V	0.5 ms
ON-delayinstantaneous contact OR-delayinstantaneous contact OR-delayinstantaneous contact OR-delayinstantaneous contact OR-delayinstantaneous contact OR-delayinstantaneous contact OR-delayinstantaneous OR-delayinstantan	Switching Function	
ON-defay/instantaneous contact passing make contact passing make contact No OFF delay switching function flashing symmetrically with interval start/instantaneous flashing symmetrically with pulse start/instantaneous flashing symmetrically with pulse start/instantaneous flashing asymmetrically with pulse start No flashing asymm	switching function	
passing make contact passing make contact/instantaneous contact passing make contact/instantaneous contact processory switching function flashing symmetrically with interval start/instantaneous flashing symmetrically with pulse start flashing symmetrically with pulse start passing masymmetrically with pulse start passing asymmetrically with pulse start passing asymmetrically with pulse start passing flashing asymmetrically with pulse start passing asymmetrically with pulse start passing flashing contact passing flashing asymmetrically with pulse start passing passing	ON-delay	No
passing make contact/instantaneous contact	 ON-delay/instantaneous contact 	No
OFF delay witching function	passing make contact	No
### ### ### ### ### ### ### ### ### ##	 passing make contact/instantaneous contact 	No
• flashing symmetrically with interval start	OFF delay	No
I flashing symmetrically with pulse start/instantaneous I flashing symmetrically with pulse start I flashing asymmetrically with pulse start I flashing asymmetrically with interval start I flashing asymmetrically with pulse start I flashin	switching function	
In sahing symmetrically with pulse start/instantaneous In sahing symmetrically with pulse start In sahing asymmetrically with interval start In sahing asymmetrically with pulse start In sahing asymmetrically with contact start and in sahing asymmetrically with sahing as start and in sahing asymmetrically start and in sahing asymmetrically sahing and sahing asymmetrically sahing asym	 flashing symmetrically with interval start/instantaneous 	No
• flashing symmetrically with pulse start • flashing asymmetrically with pulse start • flashing asymmetrically with pulse start • flashing asymmetrically with pulse start • flashing symmetrically with pulse start • switching function • star-delta circuit with delay time • star-delta circuit with delay time • star-delta circuit with delay time • star-delta circuit with control signal • additive ON-delay • passing break contact • passing break contact No • passing break contact/instantaneous • OFF delay • OFF delay • OFF delay • OFF delay • Dulse delayed • pulse delayed • pulse delayed/instantaneous • pulse-shaping • pulse-shaping/instantaneous • additive ON-delay/instantaneous • And on-delay/OFF-delay/instantaneous • ON-delay/OFF-delay/instantaneous • ON-delay/OFF-delay/instantaneous • Dassing make contact • passing make contact • retrotiggerable with deactivated control signal • retrotriggerable with deactivated control signal • retrotriggerable with switched-on control signal • retrotriggerable with switched-on control signal • retrotrigerable with for short-circuit protection design of the fuse link for short-circuit protection of the auxiliary switch required wutkliary circuit material of switching contacts AgSnO2	 flashing symmetrically with interval start 	No
• flashing asymmetrically with pulse start • flashing asymmetrically with pulse start ***switching function** • star-delta circuit with delay time • star-delta circuit with delay time • star-delta circuit **yes **switching function with control signal • additive ON-delay • passing break contact • passing make contact • passing make contact • passing make contact • passing make contact/instantaneous • pulse-shapping with control signal • retrotriggerable with deactivated control signal/instantaneous contact • retrotriggerable with witched-on control signal • retrotriggerable with deactivated control signal/instantaneous contact • retrotriggerable with deactivated control signal/instantaneous contact • retrotriggerable with deactivated control signal • retrotriggerable with for short-circuit protection design of the fuse link for short-circuit protection of the auxillary witch required **The protection** ### Suppose the start of the sack in the	 flashing symmetrically with pulse start/instantaneous 	No
• flashing asymmetrically with pulse start witching function • star-delta circuit with delay time • star-delta circuit switching function with control signal • additive ON-delay • passing break contact • passing break contact No • passing break contact No • passing break contactinstantaneous • OFF delay • OFF delay No • pulse delayed • pulse delayed No • pulse shaping No • pulse-shaping No • pulse-shaping No • pulse-shaping/instantaneous • No • ON-delay/instantaneous • No • pulse delayed Instantaneous • pulse shaping/instantaneous • retrotriggerable with deactivated control signal • retrotriggerable 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 • retrotriggerable with deactivated control signal • retrotriggerable with deactivated control signal • retrotriggerable with deactivated control signal • retrotriggerable with switched-on control signal • retrotriggerable w	 flashing symmetrically with pulse start 	No
switching function • star-delta circuit with delay time • star-delta circuit with delay time • star-delta circuit with delay time • star-delta circuit with control signal switching function with control signal • additive ON-delay • passing break contact • passing break contact/instantaneous • OFF delay • OFF delay (nor delay of d	 flashing asymmetrically with interval start 	No
• 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 • OFF delay • OFF delay/instantaneous • pulse delayed/instantaneous • pulse delayed/instantaneous • pulse-shaping • pulse-shaping • pulse-shaping/instantaneous • additive ON-delay/instantaneous • ANO • pulse-shaping • NO • DN-delay/OFF-delay/instantaneous • ANO • pulse-shaping NO • Pulse-shaping NO • Elay of the delay dela	 flashing asymmetrically with pulse start 	No
switching function with control signal additive ON-delay passing break contact passing break contact/instantaneous OFF delay OFF delay/ ourse delayed pulse delayed pulse shaping pulse-shaping pulse-shaping/instantaneous additive ON-delay/instantaneous ANO ONO ONO Additive ON-delay/instantaneous NO ONO ON-delay/instantaneous NO Or-delay/instantaneous NO or passing make contact pretrotriggerable 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 NO retrotriggerable with deactivated control signal No retrotriggerable with switched-on control signal retrotriggerable with deactivated control signal No retrotriggerable with deactivated control signal No retrotriggerable with switched-on control signal Retrotriggerable with switched-on control signal Retrotriggerable with deactivated control signal No retrotriggerable with switched-on control signal Retrotriggerable with switched-on cont	switching function	
exitching function with control signal additive ON-delay passing break contact passing break contact/instantaneous OFF delay OFF delay No OFF delay No pulse delayed pulse delayed pulse-shaping pulse-shaping pulse-shaping/instantaneous No ON ON-delay/OFF-delay/instantaneous No pulse-shaping/instantaneous No pulse-shaping/instantaneous No ON-delay/OFF-delay/instantaneous No ON-delay/OFF-delay/instantaneous No passing make contact passing make contact retrotriggerable with deactivated control signal retrotriggerable with deactivated control signal retrotriggerable with switched-on control signal retrotriggerable with deactivated control signal/instantaneous contact retrotriggerable with deactivated control signal retrotriggerable with deactivated control signal retrotriggerable with switched-on control signal/instantaneous contact Ro Ro Ro Ro Ro Ro Ro Ro Ro R	 star-delta circuit with delay time 	No
additive ON-delay passing break contact passing break contact/instantaneous OFF delay OFF delay OFF delay OFF delay No pulse delayed pulse delayed/instantaneous No pulse-shaping No pulse-shaping No pulse-shaping/instantaneous No oN-delay/Instantaneous No oN-delay/Instantaneous No oN-delay/Instantaneous No oN-delay/OFF-delay/instantaneous No oN-delay/Instantaneous No passing make contact/instantaneous No switching function of interval relay with control signal oretrotriggerable with deactivated control signal/instantaneous contact oretrotriggerable with switched-on control signal/instantaneous contact oretrotriggerable with switched-on control signal/instantaneous contact oretrotriggerable with switched-on control signal/instantaneous contact oretrotriggerable with deactivated control signal/instantaneous contact oretrotriggerable with deactivated on ton signal No signal/instantaneous contact oretrotriggerable with switched-on control signal/instantaneous oretrotriggerable with switched-on control signal/instan	star-delta circuit	Yes
passing break contact/ passing break contact/instantaneous OFF delay OFF delay OFF delay Pulse delayed Pulse delayed/instantaneous Pulse-shaping Pulse-shaping ONO ONO-delay/Instantaneous NO Spassing make contact Passing make contact NO switching function of interval relay with control signal Petrotriggerable with deactivated control signal Petrotriggerable with switched-on control signal Petrotriggerable with switched-on control Signal/Instantaneous contact Pretrotriggerable with deactivated control Signal/Instantaneous contact Pretrotriggerable with deactivated control signal NO Signal/Instantaneous contact Pretrotriggerable with deactivated control signal No Signal/Instantaneous contact Pretrotriggerable with deactivated control signal No Signal/Instantaneous contact Pretrotriggerable with switched-on control Signal/Instantaneous NO		
passing break contact/instantaneous OFF delay OFF delay OFF delay/instantaneous pulse delayed No pulse delayed/instantaneous No pulse-shaping No pulse-shaping/instantaneous No oditive ON-delay/instantaneous ON-delay/instantaneous ON-delay/instantaneous No opassing make contact No passing make contact No switching function of interval relay with control signal or retrotriggerable with deactivated control signal/instantaneous contact or etrotriggerable with switched-on control signal/instantaneous or etrotriggerable with s	additive ON-delay	No
OFF delay OFF delay/instantaneous OFF delay/instantan	 passing break contact 	No
OFF delay/instantaneous pulse delayed No pulse delayed/instantaneous pulse-shaping pulse-shaping/instantaneous pulse-shaping/instantaneous additive ON-delay/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 ON-delay/OFF-delay/instantaneous ONO 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 deactivated control signal/instantaneous contact retriggerable with deactivated control signal No strot-circuit protection design of the fuse link for short-circuit protection of the auxiliary switch required wuxiliary circuit material of switching contacts AgSnO2	 passing break contact/instantaneous 	No
 pulse delayed pulse delayed/instantaneous No pulse-shaping No pulse-shaping/instantaneous No additive ON-delay/instantaneous ON-delay/iOFF-delay/instantaneous No ON-delay/iOFF-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 retrotriggerable with switched-on control signal instantaneous contact retriggerable with deactivated control signal retriggerable with deactivated control signal retriggerable with deactivated control signal retriggerable with for short-circuit protection design of the fuse link for short-circuit protection of the auxiliary switch required vexitiary circuit material of switching contacts AgSnO2 	OFF delay	No
pulse delayed/instantaneous pulse-shaping pulse-shaping/instantaneous additive ON-delay/instantaneous ON-delay/OFF-delay/instantaneous passing make contact passing make contact passing make contact/instantaneous contact vo switching function of interval relay with control signal eretrotriggerable with deactivated control signal/instantaneous contact retrotriggerable with switched-on control signal eretrotriggerable with switched-on control signal eretrotriggerable with switched-on control signal/instantaneous contact eretrotriggerable with deactivated control signal/instantaneous contact eretrotriggerable with deactivated control signal No thort-circuit protection design of the fuse link for short-circuit protection of the auxiliary switch required material of switching contacts AgSnO2	OFF delay/instantaneous	No
 pulse-shaping pulse-shaping/instantaneous additive ON-delay/instantaneous ON-delay/OFF-delay/instantaneous No 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 retriggerable with deactivated control signal retriggerable with for short-circuit protection design of the fuse link for short-circuit protection of the auxiliary switch required fuse gL/gG: 4 A 	pulse delayed	No
 pulse-shaping/instantaneous additive ON-delay/instantaneous ON-delay/OFF-delay/instantaneous Passing make contact passing make contact/instantaneous contact passing make contact/instantaneous contact passing make contact/instantaneous contact retrotriggerable with deactivated control signal 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 retriggerable with deactivated control signal No Short-circuit protection design of the fuse link for short-circuit protection of the auxiliary switch required Muxiliary circuit material of switching contacts AgSnO2	 pulse delayed/instantaneous 	No
additive ON-delay/instantaneous ON-delay/OFF-delay/instantaneous passing make contact No passing make contact/instantaneous contact No passing make contact/instantaneous contact No switching function of interval relay with control signal	• pulse-shaping	No
ON-delay/OFF-delay/instantaneous passing make contact passing make contact/instantaneous contact retrotriggerable with deactivated control signal retrotriggerable with switched-on control signal/instantaneous contact retriggerable with deactivated control signal/instantaneous contact retriggerable with deactivated control signal No Short-circuit protection design of the fuse link for short-circuit protection of the auxiliary switch required AgSnO2 AgSnO2	pulse-shaping/instantaneous	No
 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 retriggerable with deactivated control signal No Short-circuit protection design of the fuse link for short-circuit protection of the auxiliary switch required fuse gL/gG: 4 A Muxillary circuit material of switching contacts AgSnO2	 additive ON-delay/instantaneous 	No
passing make contact/instantaneous contact switching function of interval relay with control signal	 ON-delay/OFF-delay/instantaneous 	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 No No signal/instantaneous contact • retriggerable with deactivated control signal No No Short-circuit protection design of the fuse link for short-circuit protection of the auxiliary switch required Auxiliary circuit material of switching contacts AgSnO2	passing make contact	No
retrotriggerable with deactivated control signal/instantaneous contact retrotriggerable with switched-on control signal No retrotriggerable with switched-on control signal No signal/instantaneous contact retriggerable with deactivated control signal No Short-circuit protection design of the fuse link for short-circuit protection of the auxiliary switch required Auxiliary circuit material of switching contacts No AgSnO2	 passing make contact/instantaneous contact 	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 Short-circuit protection design of the fuse link for short-circuit protection of the auxiliary switch required Auxiliary circuit material of switching contacts AgSnO2	switching function of interval relay with control signal	
retrotriggerable with switched-on control signal/instantaneous contact retriggerable with deactivated control signal No Short-circuit protection design of the fuse link for short-circuit protection of the auxiliary switch required Auxiliary circuit material of switching contacts No AgSnO2		No
signal/instantaneous contact • retriggerable with deactivated control signal No Short-circuit protection design of the fuse link for short-circuit protection of the auxiliary switch required Auxiliary circuit material of switching contacts AgSnO2	 retrotriggerable with switched-on control signal 	No
design of the fuse link for short-circuit protection of the auxiliary switch required Auxiliary circuit material of switching contacts AgSnO2	signal/instantaneous contact	
design of the fuse link for short-circuit protection of the auxiliary switch required Auxiliary circuit material of switching contacts AgSnO2		No
switch required Auxiliary circuit material of switching contacts AgSnO2		fuse al /aG: 4 A
material of switching contacts AgSnO2	switch required	iuse gL/gG. 4 A
		1000
number of NC contacts	-	AgSnU2
	number of NC contacts	

 delayed switching 	0		
instantaneous contact	0		
number of NO contacts			
 delayed switching 	1		
• instantaneous contact	1		
number of CO contacts			
delayed switching	0		
• instantaneous contact	0		
operational current of auxiliary contacts at AC-15			
• at 24 V	3 A		
• at 250 V	3 A		
operational current of auxiliary contacts at DC-13			
• at 24 V	1.8		
• at 125 V	0.2 A		
	0.1 A		
• at 250 V			
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	R300 / 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 emitted interference according to IEC 61812-1	ambience A (industrial sector)		
EMC immunity according to IEC 61812-1	corresponds to degree of severity 3		
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	1 kV		
61000-4-5	1 (V		
	10 V/m		
field-based interference according to IEC 61000-4-3	10 V/III		
field-based interference according to IEC 61000-4-3 electrostatic discharge according to IEC 61000-4-2	4 kV contact discharge / 8 kV air discharge		
electrostatic discharge according to IEC 61000-4-2			
electrostatic discharge according to IEC 61000-4-2 Safety related data	4 kV contact discharge / 8 kV air discharge		
electrostatic discharge according to IEC 61000-4-2 Safety related data category according to EN 954-1	4 kV contact discharge / 8 kV air discharge none		
electrostatic discharge according to IEC 61000-4-2 Safety related data category according to EN 954-1 protection class IP on the front according to IEC 60529	4 kV contact discharge / 8 kV air discharge none IP20		
electrostatic discharge according to IEC 61000-4-2 Safety related data category according to EN 954-1 protection class IP on the front according to IEC 60529 type of insulation	4 kV contact discharge / 8 kV air discharge none IP20		
electrostatic discharge according to IEC 61000-4-2 Safety related data category according to EN 954-1 protection class IP on the front according to IEC 60529 type of insulation Connections/ Terminals product component removable terminal for auxiliary and	4 kV contact discharge / 8 kV air discharge none IP20 Basic insulation		
electrostatic discharge according to IEC 61000-4-2 Safety related data category according to EN 954-1 protection class IP on the front according to IEC 60529 type of insulation Connections/ Terminals product component removable terminal for auxiliary and control circuit	A kV contact discharge / 8 kV air discharge none IP20 Basic insulation Yes		
electrostatic discharge according to IEC 61000-4-2 Safety related data category according to EN 954-1 protection class IP on the front according to IEC 60529 type of insulation Connections/ Terminals product component removable terminal for auxiliary and control circuit type of electrical connection for auxiliary and control circuit	A kV contact discharge / 8 kV air discharge none IP20 Basic insulation Yes		
electrostatic discharge according to IEC 61000-4-2 Safety related data category according to EN 954-1 protection class IP on the front according to IEC 60529 type of insulation 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	A kV contact discharge / 8 kV air discharge none IP20 Basic insulation Yes screw-type terminals 1x (0.5 4.0 mm²), 2x (0.5 2.5 mm²)		
electrostatic discharge according to IEC 61000-4-2 Safety related data category according to EN 954-1 protection class IP on the front according to IEC 60529 type of insulation 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	none IP20 Basic insulation Yes screw-type terminals 1x (0.5 4.0 mm²), 2x (0.5 2.5 mm²) 1x (0.5 4 mm²), 2x (0.5 1.5 mm²)		
electrostatic discharge according to IEC 61000-4-2 Safety related data category according to EN 954-1 protection class IP on the front according to IEC 60529 type of insulation 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	1x (0.5 4.0 mm²), 2x (0.5 2.5 mm²) 1x (0.5 4 mm²), 2x (0.5 1.5 mm²) 1x (0.5 4.0 mm²), 2x (0.5 1.5 mm²)		
electrostatic discharge according to IEC 61000-4-2 Safety related data category according to EN 954-1 protection class IP on the front according to IEC 60529 type of insulation 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	none IP20 Basic insulation Yes screw-type terminals 1x (0.5 4.0 mm²), 2x (0.5 2.5 mm²) 1x (0.5 4 mm²), 2x (0.5 1.5 mm²)		
electrostatic discharge according to IEC 61000-4-2 Safety related data category according to EN 954-1 protection class IP on the front according to IEC 60529 type of insulation 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	none IP20 Basic insulation Yes screw-type terminals 1x (0.5 4.0 mm²), 2x (0.5 2.5 mm²) 1x (0.5 4 mm²), 2x (0.5 1.5 mm²) 1x (20 12), 2x (20 14) 1x (20 12), 2x (20 14)		
electrostatic discharge according to IEC 61000-4-2 Safety related data category according to EN 954-1 protection class IP on the front according to IEC 60529 type of insulation 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 connectable conductor cross-section • solid	1x (0.5 4.0 mm²), 2x (0.5 2.5 mm²) 1x (0.5 4 mm²), 2x (0.5 1.5 mm²) 1x (0.5 4.0 mm²), 2x (0.5 1.5 mm²)		
electrostatic discharge according to IEC 61000-4-2 Safety related data category according to EN 954-1 protection class IP on the front according to IEC 60529 type of insulation 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 connectable conductor cross-section • solid • finely stranded with core end processing AWG number as coded connectable conductor cross	none IP20 Basic insulation Yes screw-type terminals 1x (0.5 4.0 mm²), 2x (0.5 2.5 mm²) 1x (0.5 4 mm²), 2x (0.5 1.5 mm²) 1x (20 12), 2x (20 14) 1x (20 12), 2x (20 14)		
electrostatic discharge according to IEC 61000-4-2 Safety related data category according to EN 954-1 protection class IP on the front according to IEC 60529 type of insulation 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 connectable conductor cross-section • solid • finely stranded with core end processing AWG number as coded connectable conductor cross section	none IP20 Basic insulation Yes screw-type terminals 1x (0.5 4.0 mm²), 2x (0.5 2.5 mm²) 1x (0.5 4 mm²), 2x (0.5 1.5 mm²) 1x (20 12), 2x (20 14) 1x (20 12), 2x (20 14) 0.5 4 mm² 0.5 4 mm²		
electrostatic discharge according to IEC 61000-4-2 Safety related data category according to EN 954-1 protection class IP on the front according to IEC 60529 type of insulation 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 connectable conductor cross-section • solid • finely stranded with core end processing AWG number as coded connectable conductor cross section • solid	none IP20 Basic insulation Yes screw-type terminals 1x (0.5 4.0 mm²), 2x (0.5 2.5 mm²) 1x (0.5 4 mm²), 2x (0.5 1.5 mm²) 1x (20 12), 2x (20 14) 1x (20 12), 2x (20 14) 0.5 4 mm² 0.5 4 mm² 20 12		
electrostatic discharge according to IEC 61000-4-2 Safety related data category according to EN 954-1 protection class IP on the front according to IEC 60529 type of insulation 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 connectable conductor cross-section • solid • finely stranded with core end processing AWG number as coded connectable conductor cross section • solid • solid • stranded	none IP20 Basic insulation Yes screw-type terminals 1x (0.5 4.0 mm²), 2x (0.5 2.5 mm²) 1x (0.5 4 mm²), 2x (0.5 1.5 mm²) 1x (20 12), 2x (20 14) 1x (20 12), 2x (20 14) 0.5 4 mm² 0.5 4 mm²		
electrostatic discharge according to IEC 61000-4-2 Safety related data category according to EN 954-1 protection class IP on the front according to IEC 60529 type of insulation 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 connectable conductor cross-section • solid • finely stranded with core end processing AWG number as coded connectable conductor cross section • solid • stranded tightening torque	none IP20 Basic insulation Yes screw-type terminals 1x (0.5 4.0 mm²), 2x (0.5 2.5 mm²) 1x (0.5 4 mm²), 2x (0.5 1.5 mm²) 1x (20 12), 2x (20 14) 1x (20 12), 2x (20 14) 0.5 4 mm² 0.5 4 mm² 20 12 20 14 0.6 0.8 N·m		
electrostatic discharge according to IEC 61000-4-2 Safety related data category according to EN 954-1 protection class IP on the front according to IEC 60529 type of insulation 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 connectable conductor cross-section • solid • finely stranded with core end processing AWG number as coded connectable conductor cross section • solid • stranded tightening torque design of the thread of the connection screw	none IP20 Basic insulation Yes screw-type terminals 1x (0.5 4.0 mm²), 2x (0.5 2.5 mm²) 1x (0.5 4 mm²), 2x (0.5 1.5 mm²) 1x (20 12), 2x (20 14) 1x (20 12), 2x (20 14) 0.5 4 mm² 0.5 4 mm²		
electrostatic discharge according to IEC 61000-4-2 Safety related data category according to EN 954-1 protection class IP on the front according to IEC 60529 type of insulation 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 connectable conductor cross-section • solid • finely stranded with core end processing AWG number as coded connectable conductor cross section • solid • stranded tightening torque design of the thread of the connection screw Installation/ mounting/ dimensions	none IP20 Basic insulation Yes screw-type terminals 1x (0.5 4.0 mm²), 2x (0.5 2.5 mm²) 1x (0.5 4 mm²), 2x (0.5 1.5 mm²) 1x (20 12), 2x (20 14) 1x (20 12), 2x (20 14) 0.5 4 mm² 0.5 4 mm² 0.5 4 mm² 0.6 0.8 N·m M3		
electrostatic discharge according to IEC 61000-4-2 Safety related data category according to EN 954-1 protection class IP on the front according to IEC 60529 type of insulation 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 connectable conductor cross-section • solid • finely stranded with core end processing AWG number as coded connectable conductor cross section • solid • stranded tightening torque design of the thread of the connection screw Installation/ mounting/ dimensions mounting position	none IP20 Basic insulation Yes screw-type terminals 1x (0.5 4.0 mm²), 2x (0.5 2.5 mm²) 1x (0.5 4 mm²), 2x (0.5 1.5 mm²) 1x (20 12), 2x (20 14) 1x (20 12), 2x (20 14) 0.5 4 mm² 0.5 4 mm² 0.5 4 mm² 0.5 4 mm² any		
electrostatic discharge according to IEC 61000-4-2 Safety related data category according to EN 954-1 protection class IP on the front according to IEC 60529 type of insulation 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 connectable conductor cross-section • solid • finely stranded with core end processing AWG number as coded connectable conductor cross section • solid • stranded tightening torque design of the thread of the connection screw Installation/ mounting/ dimensions mounting position fastening method	none IP20 Basic insulation Yes screw-type terminals 1x (0.5 4.0 mm²), 2x (0.5 2.5 mm²) 1x (0.5 4 mm²), 2x (0.5 1.5 mm²) 1x (20 12), 2x (20 14) 1x (20 12), 2x (20 14) 0.5 4 mm² 0.5 4 mm² 20 12 20 14 0.6 0.8 N·m M3 any screw and snap-on mounting onto 35 mm DIN rail		
electrostatic discharge according to IEC 61000-4-2 Safety related data category according to EN 954-1 protection class IP on the front according to IEC 60529 type of insulation 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	none IP20 Basic insulation Yes screw-type terminals 1x (0.5 4.0 mm²), 2x (0.5 2.5 mm²) 1x (0.5 4 mm²), 2x (0.5 1.5 mm²) 1x (20 12), 2x (20 14) 1x (20 12), 2x (20 14) 0.5 4 mm² 0.5 4 mm² 0.5 4 mm² any screw and snap-on mounting onto 35 mm DIN rail 100 mm		
electrostatic discharge according to IEC 61000-4-2 Safety related data category according to EN 954-1 protection class IP on the front according to IEC 60529 type of insulation 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 connectable conductor cross-section • solid • finely stranded with core end processing AWG number as coded connectable conductor cross section • solid • stranded tightening torque design of the thread of the connection screw Installation/ mounting/ dimensions mounting position fastening method	none IP20 Basic insulation Yes screw-type terminals 1x (0.5 4.0 mm²), 2x (0.5 2.5 mm²) 1x (0.5 4 mm²), 2x (0.5 1.5 mm²) 1x (20 12), 2x (20 14) 1x (20 12), 2x (20 14) 20 4 mm² 0.5 4 mm² 0.5 4 mm² any screw and snap-on mounting onto 35 mm DIN rail		

General Product Approval		EMC	Declaration of Con
pprovals Certificates			
relative humidity during operation	10 95 %		
during transport	-40 +85 °C		
during storage	-40 +85 °C		
during operation	-25 +60 °C		
ambient temperature			
installation altitude at height above sea level maximum	2 000 m		
mbient conditions			
— at the side	0 mm		
— downwards	0 mm		
— upwards	0 mm		
— backwards	0 mm		
— forwards	0 mm		
• for live parts			
— downwards	0 mm		
— at the side	0 mm		
— upwards	0 mm		
— backwards	0 mm		
— forwards	0 mm		
for grounded parts			
— at the side	0 mm		
— downwards	0 mm		
— upwards	0 mm		
— backwards	0 mm		
— forwards	0 mm		
equired spacing • with side-by-side mounting			



Confirmation









Declaration of Conformity

Test Certificates

Marine / Shipping



Type Test Certificates/Test Report









Marine / Shipping

other





Confirmation

Further information

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

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=3RP2576-1NW30

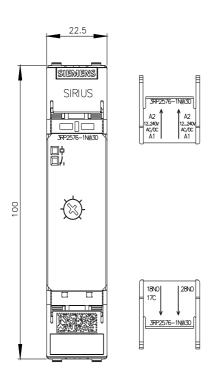
Cax online generator

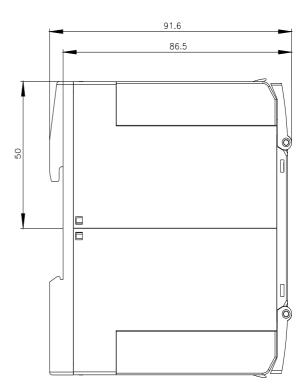
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RP2576-1NW30

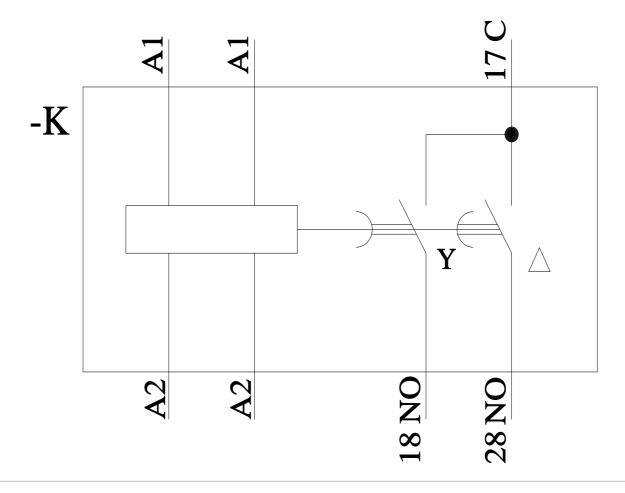
https://support.industry.siemens.com/cs/ww/en/ps/3RP2576-1NW30

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RP2576-1NW30&lang=en

Characteristic: Derating
https://support.industry.siemens.com/cs/ww/en/ps/3RP2576-1NW30/manual







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