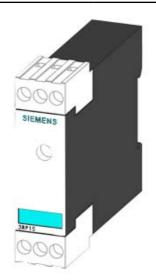
SIEMENS

Data sheet 3RP15 74-1NQ30



TIME RELAY, STAR-DELTA SINGLE TIME RANGE 20 S AC/DC 24 V, AC 100...127 V, 1...20 US

General technical data:		
product brand name		SIRIUS
Product designation		timing relay
mounting position		any
Product function non-volatile		No
Product component		
● Relay output		Yes
• semi-conductor output		No
Installation altitude at height above sea level maximum	m	2 000
Ambient temperature		
 during operation 	°C	-25 +60
during storage	°C	-40 + 85
during transport	°C	-40 + 85
Relative humidity during operation	%	10 95
EMC emitted interference acc. to IEC 61812-1		EN 61000-6-4(3)
EMI immunity acc. to IEC 61812-1		EN 61000-6-2
Conducted interference due to burst acc. to IEC 61000-4-4		2 kV network connection / 1 kV control connection
Conducted interference due to conductor-earth surge acc. to IEC 61000-4-5		2 kV
Conducted interference due to conductor-conductor surge acc. to IEC 61000-4-5		1 kV
Electrostatic discharge acc. to IEC 61000-4-2		4 kV contact discharge / 8 kV air discharge
Field-bound parasitic coupling acc. to IEC 61000-4-3		10 V/m
Surge voltage resistance Rated value	V	4 000

Active power loss total typical	W	2
Equipment marking acc. to DIN 40719 extended		К
according to IEC 204-2 acc. to IEC 750		
Equipment marking acc. to DIN EN 81346-2		K
Category acc. to EN 954-1		none
Protection against electrical shock		finger-safe
Protection class IP		IP20
Mechanical service life (switching cycles) typical		10 000 000
Electrical endurance (switching cycles) at AC-15 at		100 000
230 V typical		
Operating frequency with 3RT2 contactor maximum	1/h	5 000
Shock resistance acc. to IEC 60068-2-27		11g / 15 ms
Relative repeat accuracy	%	1
Recovery time	ms	150
Degree of pollution		3
Insulation voltage for overvoltage category III	V	300
according to IEC 60664 with degree of pollution 3		
Rated value		
Relative setting accuracy relating to full-scale value	%	5

Switching Function:		
Switching function		
ON-delay	No	
 ON-delay/instantaneous contact 	No	
 passing make contact 	No	
 passing make contact/instantaneous contact 	No	
OFF delay	No	
 flashing asymmetrically starting with interval 	No	
 flashing asymmetrically starting with pulse 	No	
 flashing symmetrically starting with pulse 	No	
 flashing symmetrically starting with 	No	
pulse/instantaneous		
 flashing symmetrically starting with interval 	No	
 flashing symmetrically starting with 	No	
interval/instantaneous		
• star-delta circuit	Yes	
 star-delta circuit with delay time 	No	
Switching function with control signal		
 additive ON delay 	No	
 passing break contact 	No	
OFF delay	No	
• pulse-shaping	No	
OFF delay/instantaneous	No	
 ON-delay/OFF-delay/instantaneous 	No	

 passing break contact/instantaneous 		No
additive ON delay/instantaneous		No
ON-delay/OFF-delay		No
passing make contact		No
passing make contact/instantaneous contact		No
pulse delayed		No
pulse delayed/instantaneous		No
• pulse-shaping/instantaneous		No
Switching function of interval relay with control signal	_	
 retrotriggerable with deactivated control signal/instantaneous contact 		No
 retrotriggerable with activated control signal 		No
 retrotriggerable with activated control signal/instantaneous contact 		No
• retriggerable with deactivated control signal		No
Control circuit/ Control:		
Adjustable time	S	1 20
Type of voltage of the control supply voltage	-	AC/DC
Control supply voltage frequency 1	Hz	50 60
Control supply voltage frequency 2	Hz	50 60
Control supply voltage 2 with AC		
● at 50 Hz	V	100 127
● at 60 Hz	V	100 127
Operating range factor control supply voltage rated value		
• with AC		
— at 50 Hz		0.85 1.1
— at 60 Hz		0.85 1.1
• for DC		0.85 1.1
Auxiliary circuit:		
Contact reliability of the auxiliary contacts		one incorrect switching operation of 100 million switching operations (17 V, 5 mA)
Material of switching contacts		AgSnO2
Operating current of the auxiliary contacts		
● at AC-15		
— at 24 V	Α	3
— at 250 V	Α	3
• at DC-13		
— at 24 V	Α	1
— at 125 V	Α	0.2
(050)/	^	0.4

— at 250 V

0.1

Design of the fuse link for short-circuit protection of the auxiliary switch required		fuse gL/gG: 4 A
Thermal current	Α	5
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

nstallation/ mounting/ dimensions: Mounting type		screw and snap-on mounting onto 35 mm standard
Mountaing type		mounting rail
Width	mm	22.5
Height	mm	83
Depth	mm	91
Required spacing with side-by-side mounting		
• upwards	mm	0
• forwards	mm	0
• at the side	mm	0
Backwards	mm	0
• downwards	mm	0
Required spacing for grounded parts		
Backwards	mm	0
• at the side	mm	0
• upwards	mm	0
• forwards	mm	0
• downwards	mm	0
Required spacing for live parts		
• downwards	mm	0
Backwards	mm	0
• at the side	mm	0
• forwards	mm	0
• upwards	mm	0

Connections/ Terminals:	
Type of electrical connection for auxiliary and control	screw-type terminals
current circuit	
Type of connectable conductor cross-section	
• solid	1x (0.5 4.0 mm²), 2x (0.5 2.5 mm²)
• finely stranded	

 — with core end processing 		1x (0.5 2.5 mm²), 2x (0.5 1.5 mm²)
• for AWG conductors		
— stranded		2x (20 14)
— solid		2x (20 14)
Tightening torque	N·m	0.8 1.2

Certificates/ approvals:

General Product Approval

Declaration of Conformity

Certificates











Special Test Certificate

Shipping Approval







GL







Shipping other Approval



other

Confirmation

Environmental Confirmations

Further information

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

http://www.siemens.com/industrial-controls/catalogs

Industry Mall (Online ordering system)

http://www.siemens.com/industrymall

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RP15741NQ30

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

https://support.industry.siemens.com/cs/ww/en/ps/3RP15741NQ30

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RP15741NQ30&lang=en

