SIEMENS

Product data sheet

3RP1560-1SP30



SOLID-STATE TIME RELAY WITH STAR-DELTA, 1...20S, 30...600S, 0.85 ...1.1US, AC/DC 24V, AC 200...240V, WITH LED

General technical data:		
product brand name		SIRIUS
Product designation		timing relay
Protection class IP / of the terminal		IP20
mounting position		any
Product function		
• at the relay outputs / changeover delayed/without delay		No
Product component / semi-conductor output		No
Product extension / optional / remote control		No
Product extension / strictly required / remote control		No
Installation altitude / at a height over sea level / maximum	m	2,000
Ambient temperature		
during storage	°C	-40 +85
• during operating	°C	-25 +60
during transport	°C	-40 +85
Relative humidity		
during operating phase	%	15 70
Conductor-bound parasitic coupling BURST / according to IEC 61000-4-4		2 kV network connection / 1 kV control connection
Conductor-bound parasitic coupling conductor-earth SURGE / according to IEC 61000-4-5		2 kV

Conductor-bound parasitic coupling conductor-conductor SURGE / according to IEC 61000-4-5		1 kV
Electrostatic discharge / according to IEC 61000-4-2		4 kV contact discharge / 8 kV air discharge
Field-bound parasitic coupling / according to IEC 61000-4-3		10 V/m
Impulse voltage resistance / rated value	V	4,000
Active power loss / total / typical	W	2
Reference code / according to DIN 40719 extended according to IEC 204-2 / according to IEC 750		К
Reference code / according to DIN EN 61346-2		К
Category / according to EN 954-1		none
Protection against electrical shock		finger-safe

Switching Function:

Switching function		
slow-operating		No
making pulse contact		No
relapse delayed		No
with control signal		
additive ON delay		No
passing break contact		No
• OFF delay		No
 slow-operating/instantaneous contact 		No
with control signal		
OFF delay/instantaneous		No
ON delay/OFF delay/instantaneous		No
 making pulse contact/instantaneous contact 		No
with control signal		
 passing break contact/instantaneous 		No
 pulse-shaping/instantaneous 		No
Adjustable time	S	1 20

Control circuit/ Control:

Voltage type / of control feed voltage		AC/DC
Control supply voltage frequency		
• 1	Hz	50 60
Control supply voltage		
• 1		
• for AC / at 50 Hz / rated value	V	24
• for AC / at 60 Hz / rated value	V	24
• for DC / rated value	V	24
•2		

• at 50 HzV20240• of ACV20240Operating range factor control supply voltage rated value • at 50 HzV200240• of ACV200240Operating range factor control supply voltage rated value • at 50 HzV200240• at 50 HzV0.851.1• at 60 HzV0.851.1• at 60 HzV0.851.1• at 60 HzV0.851.1• at 70 HzV0.851.1• at 24 VAA3• at 250 VAA1• at 250 VAA1• at 250 VAA1• at 250 VA1• at 250 VAA1• at 250 VA1• at			
• al 80 Hz • for ACV200 240Operating range factor control supply voltage rated value • al 50 Hz • for ACV200 240• al 50 Hz • for AC0.85 1.10.85 1.1• al 60 Hz • for AC0.85 1.10.85 1.1• for AC • for DC0.85 1.10.85 1.1Contrast of auxiliary contacts • al normally dosed contact / for AC-15 • al 24 V • al 250 VA3• al 261 S• al 250 VA3• al 250 VA3• al 250 VA3• al 261 S• al 261 S <td>• at 50 Hz</td> <td></td> <td></td>	• at 50 Hz		
• tor ACV200 240Operating range factor control supply voltage rated value • it 50 biz • it or AC 0.85 1.1• at 60 biz • tor AC	• for AC	V	200 240
Operating range factor control supply voltage rated value 	• at 60 Hz		
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• for AC0.85 1.1• at 60 Hz0.85 1.1• for AC0.85 1.1• for DC0.85 1.1Auxiliary circuit:Vertaining current / of auxiliary contacts• as normally closed contact / for AC-15-• at 250 VA3• at 250 VA1• at 250 VA1• at 24 VA1• at 24 VA1• at 250 VA0.2• at 250 VA0.2• at 250 VA0.1• at 250 VA0.2• at 250 VA0.1• at 250 VA0.1 <td>Operating range factor control supply voltage rated value</td> <td></td> <td></td>	Operating range factor control supply voltage rated value		
• at 60 Hz • for AC • for DC0.85 1.1 0.85 1.1Auxiliary circuit:0.85 1.1Cyperating current / of auxiliary contacts • at 24 V • at 250 VA A A 3 • at 250 VA A B • at 250 V• at 24 V • at 250 VAA A B • at 250 VB A B A B • at 24 V • at 250 VA B B A B A B • at 24 VAA B B B A B B B • at 24 VA B <td>• at 50 Hz</td> <td></td> <td></td>	• at 50 Hz		
• for AC0.85 1.1• for DC0.85 1.1Auxiliary circule:Auxiliary circule:Auxiliary contacts• as normally closed contact / for AC-15A• at 260 VAA• at 274 VAA• at 260 VA• at 274 VAA• at 274 VAA• at 274 VAA• at 260 VA• at 260 VAA• at 260 VA• at 260 VA• AAA• ADD-13B• at 260 VA• AAA• ADD-13B• ADD-13A• ADD-13A• ADD-13B• ADD Contacts / delayed switchingANumber of NC contacts / delayed switchingANumber of NC contacts / delayed switchingANumber of these link // for short-sircult protection of the Buarding witch / requiredAdd thes	• for AC		0.85 1.1
• for DC0.85 1.1Auxiliary circuit:Operating current / for AC-15• as normally closed contact / for AC-15A• at 24 VA• at 250 VA• at 24 VA• at 24 VA• at 24 VA• at 250 VA• at 260 VA• at 260 VA• at 270 VA• at 260 VB• at 260 VB• at 260 VB• at 260 VB	• at 60 Hz		
Auxiliary circuit: Jusciliary contacts • as normally closed contact / for AC-15 A • at 24 V A • at 250 V A • at 24 V A • at 250 V A Number of Nc contacts / delayed switching 0 Number of change-over sw	• for AC		0.85 1.1
Operating current / of auxiliary contactsImage: set of auxiliary contact / for AC-15Image: set of auxiliary contact / for AC-15• at 24 VA3• at 250 VA3• at 24 VA3• at 24 VA3• at 250 VA3• at 250 VA3• at AC-15A3• at AC-15A3• at DC-13A1• at 250 VA0.2• at 250 VA0.2• at 250 VA0.1• at 250 VA0.1• at 250 VA0.1• at 250 VA0.2• at 250 VA0.2• at 250 VA0.1Number of NC contacts / delayed switching0Number of NC contacts / delayed switching0Number of NC contacts / delayed switching0Number of NC contacts / non-delayed0Number of NC contacts / non-delayed0Number of NC contacts / non-delayed0Number of change-over switches / delayed switching0Number of the fuse link / for short-circuit protection of the auxiliary switch / requiredScrew and snap-on mounting onto 35 mm standard mounting railInstallation/ mounting viewfm22.5Vidthmm102	• for DC		0.85 1.1
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• at 24 VA3• at 250 VA3• at AC-15• naximumA3• at DC-13• at 25 VA1• at 25 VA0.2• at 25 VA0.1• at 25 VA0• at 25 VA0.1Number of NC contacts / delayed switching0Number of NC contacts / delayed switching0Number of NC contacts / non-delayed0Number of NO contacts / delayed switching0Number of NO contacts / non-delayed0Number of change-over switches / delayed switching0Number of change-over switches / delayed switching0Number of change-over switches / non-delayed0Stort-circuit0Stort-circuit protection of the fuse link / for short-circuit protection of the fuse link / for short-circuit protection of the auxiliary switch / requiredfilesMounting typeImage Strew and snap-on mounting onto 35 mm standard mounting railInstallation/ mounting/ dimensions:mm2.5Vidthmm2.5Heightmm102	• at 250 V	А	3
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• maximumAAA• at DC-13A1• at 24 VA1• at 25 VA0.2• at 25 VA0.1• at 25 VA0.1• at 25 VA0.1Number of NC contacts / delayed switching00Number of Contacts / delayed switching00Number of change-over switches / delayed switching00Number of change-over switches / delayed switching00Number of the fuse link / for short-circuit protection of the switch / requiredIf use gL/gG: 4 AShort-circuitscrew and snap-on mounting onto 35 mm standard mounting railInstallation/ mounting / dimensions:mm2.5Widthmm2.5Heightmm102	• at 250 V	А	3
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Number of NC contacts / non-delayed0Number of NO contacts / delayed switching0Number of NO contacts / non-delayed3Number of change-over switches / delayed switching0Number of change-over switches / non-delayed0Short-circuit:0Design of the fuse link / for short-circuit protection of the auxiliary switch / requiredfuse gL/gG: 4 AMounting typescrew and snap-on mounting onto 35 mm standard mounting railInstallation/ mounting/ dimensions:mm22.5Widthmm102	• at 250 V	А	0.1
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Number of change-over switches / delayed switching 0 Number of change-over switches / non-delayed 0 Short-circuit: 0 Design of the fuse link / for short-circuit protection of the auxiliary switch / required fuse gL/gG: 4 A Mounting type screw and snap-on mounting onto 35 mm standard mounting rail Installation/ mounting/ dimensions: mm 22.5 Width mm 102	Number of NO contacts / delayed switching	_	0
Number of change-over switches / non-delayed 0 Short-circuit: Image: Short-circuit protection of the auxiliary switch / required Image: Since gL/gG: 4 A Mounting type Screw and snap-on mounting onto 35 mm standard mounting rail Installation/ mounting/ dimensions: Image: Since gL/gG: Since g	Number of NO contacts / non-delayed		3
Short-circuit: fuse gL/gG: 4 A Design of the fuse link / for short-circuit protection of the auxiliary switch / required fuse gL/gG: 4 A Mounting type screw and snap-on mounting onto 35 mm standard mounting rail Installation/ mounting/ dimensions: mm 22.5 Width mm 102	Number of change-over switches / delayed switching		0
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auxiliary switch / required Image: Constraint of the sector of the s	Short-circuit:		
Installation/ mounting/ dimensions: mounting rail Width mm 22.5 Height mm 102			fuse gL/gG: 4 A
Widthmm22.5Heightmm102	Mounting type		
Height mm 102	Installation/ mounting/ dimensions:		
	Width	mm	22.5
Depth mm 91	Height	mm	102
	Depth	mm	91

Distance, to be main	ntained, to the rank	s assembly				
• upwards			mm	0		
 forwards 			mm	0		
 sidewards 			mm	0		
 backwards 			mm	0		
downwards			mm	0		
Distance, to be main	ntained, to earthed	part	_			
 backwards 			mm	0		
 sidewards 			mm	0		
 upwards 			mm	0		
 forwards 			mm	0		
 downwards 			mm	0		
Distance, to be main	ntained, conductive	e elements				
 downwards 			mm	0		
 backwards 			mm	0		
 sidewards 			mm	0		
 forwards 			mm	0		
 upwards 			mm	0		
Connections/ term	ninals:					
Design of the electri	ical connection					
 for auxiliary and c 	control current circui	it		screw-t	ype terminals	
General Product A	pproval				Declaration of Conformity	Test Certificates
	(SA)	EAC			EG-Konf.	Special Test Certificate
Shipping Approval	I					
B U R E A U VER ITAS		GL	PRS			RMRS
other						
Confirmation	other	Environmental Confirmations				
Further informatio	on:					

Further Information:

Information- and Downloadcenter (Catalogs, Brochures,...) http://www.siemens.com/industrial-controls/catalogs

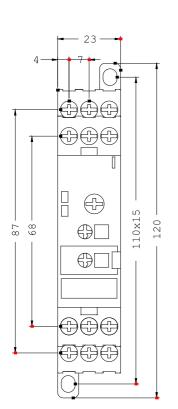
Industry Mall (Online ordering system)

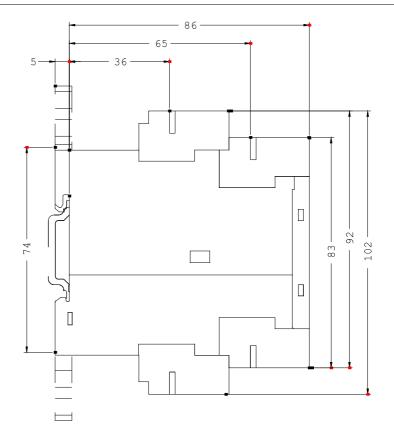
http://www.siemens.com/industrial-controls/mall

http://www.siemens.com/cax

Service&Support (Manuals, Certificates, Characteristics, FAQs,...) http://support.automation.siemens.com/WW/view/en/3RP1560-1SP30/all

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3RP1560-1SP30





last change:

Jul 28, 2014