SIEMENS

Product data sheet

3RS1800-1HW00



COUPLING RELAY IM INDUSTRY-STANDARD ENCLOSURE 3 CHANGEOVER CONTACTS WIDE VOLTAGE RANGE 24 V TO 240 V AC/DC SCREW TERMINALS

General technical details:

Supply voltage frequency I / for auxiliary and control current circuit I / for auxiliary and control current circuit • rated value Hz 50 • 2 / for auxiliary and control current circuit I / Z 60 • rated value I / Z 60 • control supply voltage / 1 I / Z 60 • at 50 Hz / for AC V 24 • initial rated value V 240 • final rated value V 240 • initial rated value V 240 • final rated value V 240 • final rated value V 240 • for DC V 240 • initial rated value V 240 • for DC V 240 • initial rated value V 240 • final rated v			
1 / for auxiliary and control current circuitHzSo• rated valueHz60control supply voltage / 1Hz60• at 50 Hz / for ACV24• initial rated valueV240• final rated valueV240• initial rated valueV240•	type of voltage		AC/DC
• rated valueHz50• 2 / for auxiliary and control current circuitHz60• rated valueHz60Control supply voltage / 1• at 50 Hz / for ACV24• initial rated valueV240• initial rated valueV240• initial rated valueV240• initial rated valueV240• final rated valueV300• final rated valueV300• final rated valueV300• final rated valueV300• final rated valueV300	Supply voltage frequency		
· 2 / for auxiliary and control current circuit · rated valueIII· rated valueHz60Control supply voltage / 1 · at 50 Hz / for ACVV· initial rated valueV24· final rated valueV240· at 60 Hz / for ACV24· initial rated valueV24· initial rated valueV24· final rated valueV24· final rated valueV24· final rated valueV240· fina	 1 / for auxiliary and control current circuit 		
· rated valueHz60Control supply voltage / 1• at 50 Hz / for AC• initial rated valueV• final rated valueV• final rated valueV• at 60 Hz / for AC• initial rated valueV• final rated valueV• for DC• initial rated valueV• final rated valueV• final rated valueV• final rated valueV• final rated valueV• for DC• final rated valueV• final rated val	rated value	Hz	50
Control supply voltage / 1Here• at 50 Hz / for ACV• initial rated valueV• final rated valueV• at 60 Hz / for ACV• initial rated valueV• initial rated valueV• final rated valueV<	 2 / for auxiliary and control current circuit 		
• at 50 Hz / for ACImage: state of the state	rated value	Hz	60
• initial rated valueV24• final rated valueV240• at 60 Hz / for ACV240• initial rated valueV240• final rated valueV240• final rated valueV240• for DCV240• initial rated valueV240• final rated valueV<	Control supply voltage / 1		
• final rated valueV240• at 60 Hz / for ACV24• initial rated valueV24• final rated valueV240• for DCV240• initial rated valueV240• final rated valueV240	• at 50 Hz / for AC		
• at 60 Hz / for ACImage: Constraint of the second sec	initial rated value	V	24
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• final rated valueV240• for DCV240• initial rated valueV24• final rated valueV24• final rated valueV240Switching behaviourV240Product component / jumper socketImage: Society of the soc	• at 60 Hz / for AC		
• for DCV24• initial rated valueV240• final rated valueV240Switching behaviourMonostableProduct component / jumper socketMonostable	initial rated value	V	24
• initial rated valueV24• final rated valueV240Switching behaviourMonostableProduct component / jumper socketMonostable	• final rated value	V	240
• final rated valueV240Switching behaviourmonostableProduct component / jumper socketNo	• for DC		
Switching behaviour monostable Product component / jumper socket No	initial rated value	V	24
Product component / jumper socket No	• final rated value	V	240
	Switching behaviour		monostable
Item designation / according to DIN EN 61346-2 K	Product component / jumper socket		No
	Item designation / according to DIN EN 61346-2		К

Item designation / according to DIN 40719 extendable after IEC 204-2 / according to IEC 750		К
Mechanical design:		
Design of the electrical connection		screw-type terminals
Design of the electrical connection / jumper socket		No
Design of the relay operating mechanism		poled
Design of the switching function		changeover switch
• guided		No
Width	mm	22.5
Height	mm	102
Depth	mm	91
Auxiliary Contacts:		
Number of NC contacts / for auxiliary contacts		0
Number of NO contacts / for auxiliary contacts		0
Number of change-over switches / for auxiliary contacts		3
Current carrying capacity / of output relay		
• at DC-13		
• at 24 V	А	1
• at 125 V	А	0.2
• at 250 V	А	0.1
• at AC-15 / at 250 V	А	3
Ambient conditions:		
Protection class IP		IP20
Ambient temperature / during operating / minimum	°C	-25
Ambient temperature / during operating / maximum	°C	60
Certificates/approvals:		
General Product Approval		
other		
Declaration of Conformity other Environmental Confirmations Confirmations		
Further information:		

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

Industry Mall (Online ordering system)

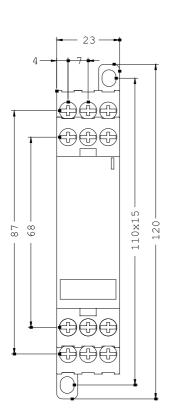
http://www.siemens.com/industrial-controls/mall

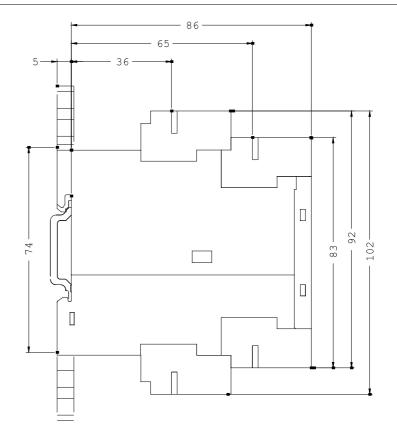
CAx-Online-Generator

http://www.siemens.com/cax

Service&Support (Manuals, Certificates, Characteristics, FAQs,...) http://support.automation.siemens.com/WW/view/en/3RS1800-1HW00/all

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3RS1800-1HW00





last change:

Mar 4, 2013