SIEMENS

Product data sheet

3SE5423-0CD20-1EA2



COMPACT SWITCH 40MM WIDE W. CONNECTING CABLE 2M SNAP-ACTION CONTACTS 1NO+1NC ROLLER PLUNGER

General technical details:

Product designationI compact switchExplosion protection category for dustnoneIsulation voltageV400• rated valueV3Degree of pollutionA10Degree of pollutionA10Operating currentA6• at AC-15• at AC515• at AC515• at AC517• at AC517• at AC517• at AC517• at 25 V/ rated valueA6• at DC-13• at 25 V/ rated valueA0.55• at 25 V/ rated valueA0.27• at 25 V/ rated valueA10• at 25 V/ rated valueA10• at 25 V/ rated valueA3• at 25 V/ rated valueA0.27• at 25 V/ rated valueA10• at 25 V/ rated valueA3• at 25 V/ rated valueA10• at 25 V/ rated valueA3• at 25 V/ rated valueA3• at 25 V/ rated valueA10• at 25 V/ rated valueA3• at 25 V/ rated valueA3• at 26 V/ rated	General technical details:		
Insulation voltageImage: Constraint of the slow DIAZED fuse linkImage: Constraint of th	Product designation		compact switch
• rated valueI400Degree of pollutionIIDegree of pollutionIIThermal currentIIOperating currentII• at AC-15II• at 125 V/ rated valueIA6• at 230 V/ rated valueIA3• at 125 V/ rated valueIA0.55• at 125 V/ rated valueIA0.55• at 125 V/ rated valueIA0.27• at 125 V/ rated valueIA10• of the slow DIAZED fuse linkIA10• of the quick DIAZED fuse linkIA3• of the Characteristic circuit breakerIA3• of the Characteristic circuit breakerIA3• of the Characteristic circuit breakerIA10• of the Characteristic circuit breakerIA3• of the Characteristic circuit breakerIA3• of the Characteristic circuit breakerIA3• of the Characteristic circuit breakerIA10• of the Characteristic circuit breakerIA3• of the Char	Explosion protection category for dust		none
Degree of pollutionImage: second	Insulation voltage		
Thermal currentA10Operating currentA10• at AC-15• at 125 V / rated valueA6• at 230 V / rated valueA3• at 230 V / rated valueA0.55• at 125 V / rated valueA0.55• at 230 V / rated valueA0.27Continuous currentA10• of the slow DIAZED fuse linkA10• of the quick DIAZED fuse linkA3• of the C characteristic circuit breakerA3Mechanical operating cycles as operating timeII	rated value	V	400
Operating currentImage: Constraint of the slow DIAZED fuse linkImage: Constraint of the C characteristic circuit breakerImage: Constraint of the C characte	Degree of pollution		3
• at AC-15Image: state of the solution of the quick DIAZED fuse linkAA• at 230 V / rated valueAAA• at 230 V / rated valueA0.55A• at 230 V / rated valueA0.27A• of the slow DIAZED fuse linkA10A• of the quick DIAZED fuse linkA3A• of the quick DIAZED fuse linkA3A• of the quick DIAZED fuse linkA10A• of the Quick DIAZED fuse linkA3A• of the C characteristic circuit breakerA3A• of the C characteristic circuit breakerAAA• of the C characteristic circuit breakerA	Thermal current	А	10
• at 125 V / rated valueA6• at 230 V / rated valueAA3• at DC-13• at 125 V / rated valueAA0.55• at 230 V / rated valueAA0.27Continuous current• of the slow DIAZED fuse linkAA10• of the quick DIAZED fuse linkAA3• of the characteristic circuit breakerAA3Mechanical operating cycles as operating timeCircuit breakerCircuit breaker	Operating current		
• at 230 V / rated valueA3• at DC-13-• at 125 V / rated valueA• at 230 V / rated valueA• at 230 V / rated valueA• at 230 V / rated valueA• of the slow DIAZED fuse linkA• of the quick DIAZED fuse linkA• of the quick DIAZED fuse linkA• of the C characteristic circuit breakerA• A3	• at AC-15		
• at DC-13Image: Constraint of the slow DIAZED fuse linkA0.55• of the quick DIAZED fuse linkA0.27• of the characteristic circuit breakerA10• of the Characteristic circuit breakerA3• Mechanical operating cycles as operating timeImage: Constraint of the slow cycles as operating timeImage: Constraint of the slow cycles as operating time	• at 125 V / rated value	А	6
• at 125 V / rated valueA0.55• at 230 V / rated valueA0.27Continuous current• of the slow DIAZED fuse linkA10• of the quick DIAZED fuse linkA10• of the characteristic circuit breakerA3• Mechanical operating cycles as operating timeII	• at 230 V / rated value	А	3
• at 230 V / rated valueA0.27Continuous current• of the slow DIAZED fuse linkA10• of the quick DIAZED fuse linkA10• of the C characteristic circuit breakerA3Mechanical operating cycles as operating timeImage: Content of the conten	• at DC-13		
Continuous currentImage: Continuous current• of the slow DIAZED fuse linkA10• of the quick DIAZED fuse linkA10• of the C characteristic circuit breakerA3Mechanical operating cycles as operating timeImage: Continuous currentImage: Continuous current	• at 125 V / rated value	А	0.55
• of the slow DIAZED fuse linkA10• of the quick DIAZED fuse linkA10• of the C characteristic circuit breakerA3Mechanical operating cycles as operating timeImage: Constant of the constant operating timeImage: Constant operating time	• at 230 V / rated value	А	0.27
• of the quick DIAZED fuse linkA10• of the C characteristic circuit breakerA3Mechanical operating cycles as operating timeImage: Constant operation o	Continuous current		
• of the C characteristic circuit breaker A 3 Mechanical operating cycles as operating time A	of the slow DIAZED fuse link	А	10
Mechanical operating cycles as operating time	of the quick DIAZED fuse link	А	10
	of the C characteristic circuit breaker	А	3
• typical 5,000,000	Mechanical operating cycles as operating time		
	• typical		5,000,000

Electrical operating cycles as operating time		
 with contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026 / typical 		500,000
• at AC-15 / at 230 V / typical		100,000
Electrical operating cycles in one hour		
• with contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026		1,800
Repeat accuracy	mm	0.05
Design of the contact element		snap-action contacts
Number of NC contacts		
for auxiliary contacts		1
Design of the switching function		snap-action contact
Number of NO contacts		
for auxiliary contacts		1
Resistance against vibration		0.35 mm / 5g
Resistance against shock		30g / 11 ms
Ambient temperature		
during operating	°C	-25 +85
during storage	°C	-25 +85
Width of the sensor	mm	40
Material		
• of the enclosure		metal
Material / of the enclosure / of the switch head		stainless steel
Design of the operating mechanism		roller plunger
Actuating speed	mm/s / m/s	0.05 2
Minimum actuating force / in activation direction	Ν	15
Protection class IP		IP67
mounting position		any
Design of the electrical connection		cable connection 5m x 0.75 mm ² PVC
Reference code		
according to DIN 40719 extended according to IEC 204-2		S
according to DIN EN 61346-2		В
Certificates/approvals:		
General Product Approval	Declaration Conformity	of other
	EG-Konf.	Confirmation

Further information:

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

Industry Mall (Online ordering system)

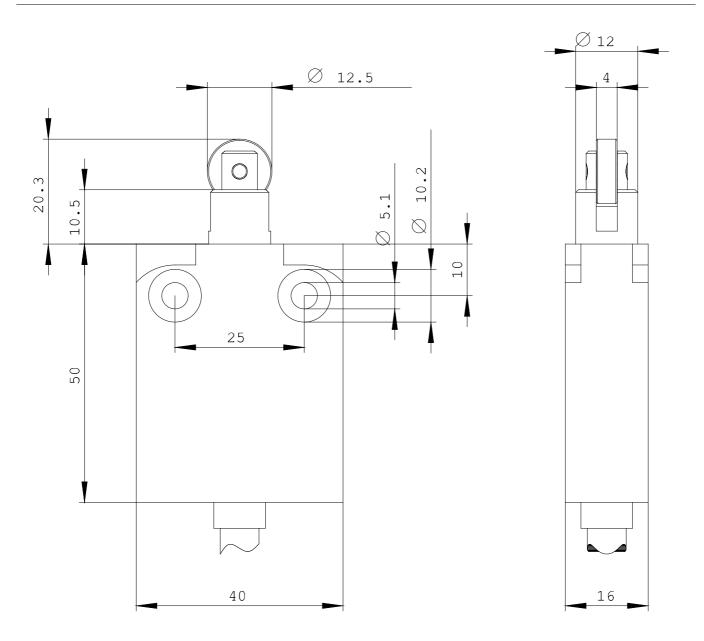
http://www.siemens.com/industrial-controls/mall

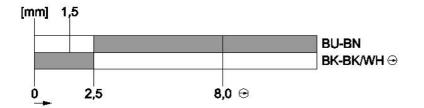
Cax online generator:

http://www.siemens.com/cax

Service&Support (Manuals, Certificates, Characteristics, FAQs,...) http://support.automation.siemens.com/WW/view/en/3SE5423-0CD20-1EA2/all

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3SE5423-0CD20-1EA2





last change:

Jul 28, 2014