SIEMENS

Product data sheet 3SE5242-0LE10



SIRIUS POSITION SWITCH;
PLASTIC HOUSING ACC. TO EN50047,
50MM DEVICE CONNECTION 2X(M20X1.5);
1NO/2NC SNAP-ACTION CONTACTS ROLLER LEVER W.
PLASTIC ROLLER 13MM

Manufacturer article number

- of the basic unit included in the scope of supply
- of the actuator head for position switches included in the scope of supply

3SE5242-0LC05

3SE5000-0AE10

General technical details:		
product designation		standard position switch
Explosion protection category for dust		none
Insulation voltage		
• rated value	V	400
Degree of pollution		class 3
Thermal current	Α	6
Operating current		
• at AC-15		
• at 24 V / rated value	Α	6
• at 125 V / rated value	Α	6
• at 230 V / rated value	Α	1.5
• at DC-13		
• at 24 V / rated value	Α	3
• at 125 V / rated value	Α	0.55
• at 230 V / rated value	Α	0.27
Continuous current		

of the slow DIAZED fuse link	Α	6
of the quick DIAZED fuse link	Α	10
• of the C characteristic circuit breaker	Α	1
Mechanical operating cycles as operating time		
• typical		15,000,000
Electrical operating cycles as operating time		
 with contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026 / typical 		10,000,000
• at AC-15 / at 230 V / typical		100,000
Electrical operating cycles in one hour		
 with contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026 		6,000
Repeat accuracy	mm	0.05
Design of the contact element		snap-action contacts
Number of NC contacts		
• for auxiliary contacts		2
Design of the switching function		positive opening
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	-40 +90
Width of the sensor	mm	50
Material		
• of the enclosure		plastic
Material / of the housing / of the switch head		plastic
Design of the operating mechanism		metal lever, plastic roller
Actuating speed	mm/s / m/s	0.1 1
Minimum actuating force / in activation direction	N	10
Protection class IP		IP66/IP67
mounting position		any
Cable gland version		2 x (M20 x 1.5)
Design of the electrical connection		screw-type terminals
Item designation		
according to DIN 40719 extendable after IEC 204-2		s
• according to DIN EN 61346-2		В

Certificates/approvals:

General Product Approval

Functional Safety / Safety of Machinery Declaration of Conformity













Test Certificates

other

Special Test Certificate 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:

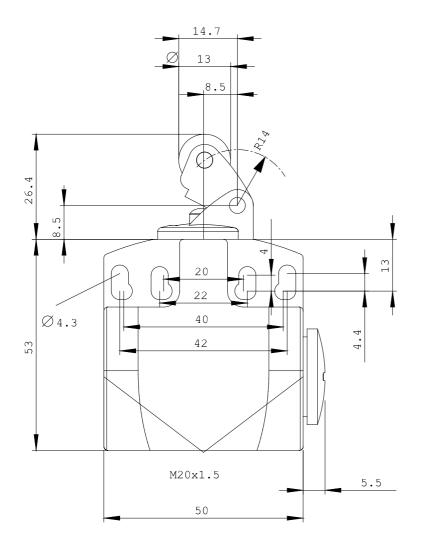
http://www.siemens.com/cax

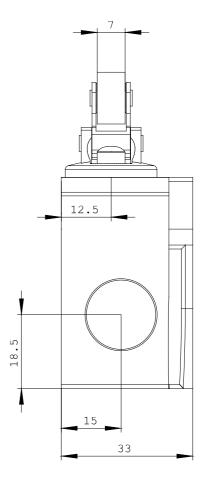
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

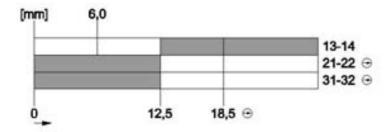
 $\underline{\text{http://support.automation.siemens.com/WW/view/en/3SE5242-0LE10/all}}$

 $Image\ database\ (product\ images,\ 2D\ dimension\ drawings,\ 3D\ models,\ device\ circuit\ diagrams,\ ...)$

 $\underline{\text{http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3SE5242-0LE10}$







last change: Feb 18, 2013