SIEMENS

Data sheet 3SE5112-3QV10



Safety position switch with separate actuator Metal enclosure, 40 mm Device connection 1x (M20 x 1.5) Slow-action contacts 1 NO/2 NC with 2 LEDs, 230 V AC yellow/green 5 directions of approaches The matching separate actuator 3SE5000-0AV0. must be ordered separately

product brand name	SIRIUS
product designation	Mechanical safety switches
product type designation	3SE5
manufacturer's article number	
● of the optional actuators	3SE5000-0AV01 standard actuator, 3SE5000-0AV02 actuator with vertical mounting, 3SE5000-0AV03 actuator with horizontal mounting, 3SE5000-0AV04 radius actuator left, 3SE5000-0AV05 universal actuator, 3SE5000-0AV06 radius actuator right, 3SE5000-0AV07 heavy-duty actuator, 3SE5000-0AW11 plastic actuator, 3SE5000-0AW21 stainless steel actuator
suitability for use safety switch	Yes
General technical data	
product function positive opening	Yes
insulation voltage rated value	400 V
degree of pollution	class 3
surge voltage resistance rated value	4 kV
protection class IP	IP66/IP67
shock resistance	
● **according to IEC 60068-2-27**	30g / 11 ms
mechanical service life (operating cycles) typical	1 000 000
electrical endurance (operating cycles) at AC-15 at 230 V typical	100 000
thermal current	10 A
material of the enclosure of the switch head	metal
reference code according to IEC 81346-2	B
continuous current of the C characteristic MCB	1 A; for a short-circuit current smaller than 400 A
continuous current of the quick DIAZED fuse link	10 A; for a short-circuit current smaller than 400 A
continuous current of the DIAZED fuse link gG	6 A; for a short-circuit current smaller than 400 A
active principle	mechanical
repeat accuracy	0.05 mm
Substance Prohibitance (Date)	07/01/2006
Weight	0.465 kg
minimum actuating force in directions of actuation	20 N
length of the sensor	110 mm
width of the sensor	40 mm
Ambient conditions	
ambient temperature	
● during operation	-25 ... +60 °C
● during storage	-40 ... +90 °C
explosion protection category for dust	none
design of the switching contact	mechanical
operating frequency rated value	50 ... 60 Hz
number of NC contacts for auxiliary contacts	2

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number of NO contacts for auxiliary contacts	1
operational current at AC-15	
• at 230 V rated value	4 A
Enclosure	
design of the housing	block, narrow
material of the enclosure	metal
coating of the enclosure	cathodic dip coating
design of the housing according to standard	Yes
Drive Head	
design of the actuating element	without
design of the switching function	positive opening
circuit principle	slow-action contacts
number of switching contacts safety-related	2
cable entry type	1x (M20 x 1.5)
Installation/ mounting/ dimensions	
mounting position	any
fastening method	screw fixing
Connections/ Terminals	
type of electrical connection	screw terminal
type of connectable conductor cross-sections	
• solid	1x (0.5 ... 1.5 mm²), 2x (0.5 ... 0.75 mm²)
• finely stranded with core end processing	1x (0.5 ... 1.5 mm²), 2x (0.5 ... 0.75 mm²)
• for AWG cables solid	1x (20 ... 16), 2x (20 ... 18)
• for AWG cables stranded	1x (20 ... 16), 2x (20 ... 18)
Supply voltage	
type of voltage of the supply voltage of the optional LED display	AC
supply voltage of LED	
•	230 V
design of the interface for safety-related communication	without
Communication/ Protocol	
design of the interface	without
Safety related data	
proportion of dangerous failures with high demand rate according to SN 31920	20 %
B10 value with high demand rate according to SN 31920	1 000 000
Approvals Certificates	
General Product Approval	

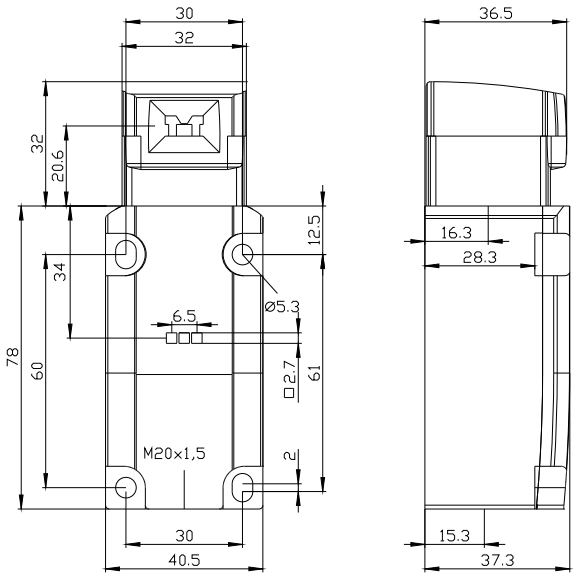
Confirmation

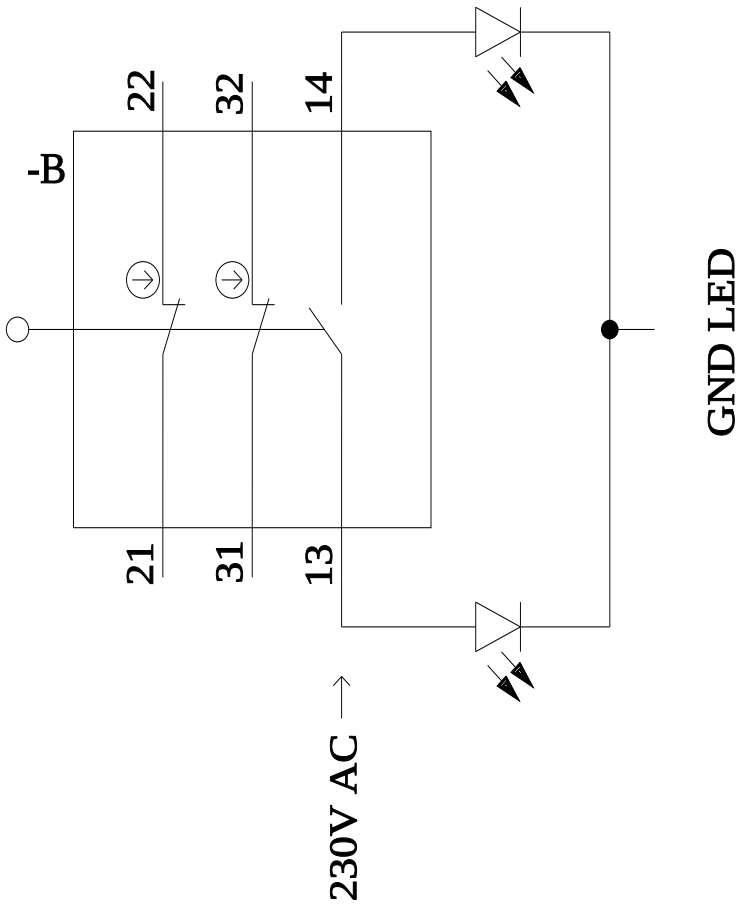
Functional Saftey	other	Environment
	Confirmation	Environmental Con-firmations

Further information

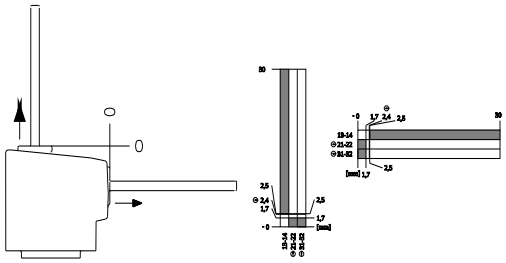
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