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Piezo Switch with Extended Protection against Vandalism



PSE HI 22



Description

- Switch available in version Standard or with Lettering/Symbols - Assembly by mounting with nut - Quick connect terminals or wires

Approvals

- Fire Test according to DIN EN 81-71: stress class 1 + 2 (Elevators)
- MIL-STD Certificate Number: 416D Method RS103
- VDE Certificate Number: DIN EN 61000-4-2, DIN EN 61000-4-4

Characteristics

- Housing and actuating area material: high-quality stainless steel
- High reliability, long lifetime with more than 20 mill. actuations
- piezo switch with enhanced vandal proof protection to IK 06 impact resistance rating
- For use in harsh environments, both indoors and outdoors

Weblinks

html-datasheet, General Product Information, Approvals, RoHS, CHINA-RoHS, e-Shop, CAD-Drawings, Product News, Detailed request for product

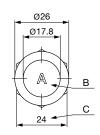
Technical Data

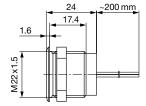
Electrical Data			
Switching Function	N.O.		
Switching Voltage	max. 42 / 60 VAC/DC		
Switching Current	max. 100 mA		
Rated Breaking Capacity	1 W		
Lifetime	20 mill. at Rated Braking Capacity		
Switch Resistance OFF	$> 10 \text{ M}\Omega$		
Switch Resistance ON	< 20 Ω		
Capacity	30 pF		
N.O. Closing Impulse Duration	20- 1000 ms depending on actuating		
	force, time and speed		
Contact Configuration	free polarity		

Mechanical Data		
Actuating Force	2 - 5 N	
Actuating Travel	0.002 mm	
Shock Protection	IK 06	
Starting Torque	2.5 Nm	
Climatical Data		
Operating Temperature	-20 to +60°C	
Storage Temperature	-20 to +60°C	
IP-Protection	IP 67, from front side,	
Salt Spray Test (acc. to DIN	24 h / 48 h / 96 h Residence Time	
50021-SS)		
Material		
Housing	Stainless Steel	
Actuating Area	Stainless Steel	

Dimensions

PSE M22 HI with Pins







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Legend:
B = Actuating Area
C = Width Across Flats

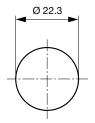
I = Crimp Terminal

Lettering:

- either with/without lettering
 position of the connections with respect to the position of the lettering is not defined

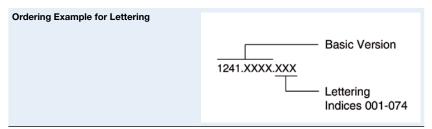
Dimensions

PSE M22



Lettering





Order Index Lettering

001 = A	021 = U	041 = ÷	061 = EIN
002 = B	022 = V	042 =	062 = AUS
$003 = \mathbf{C}$	023 = W	043 = =	063 = AUF
004 = D	024 = X	044 = #	064 = AB
005 = E	025 = Y	045 =	065 = ON
006 = F	026 = Z	046 =	066 = OFF
007 = G	027 = 0	047 = →	067 = UP
008 = H	028 = 1	048 = ←	068 = DOWN
009 = I	029 = 2	049 =	069 = HIGH
010 = J	030 = 3	050 =	070 = LOW
011 = K	031 = 4	051 = %	071 = ON/OFF
012 = L	032 = 5	052 = √	072 = START
013 = M	033 = 6	053 = CTRL	073 = RESET
014 = N	034 = 7	054 = RETURN	074 = 🕛
015 = O	035 = 8	055 = SHIFT	075 = 🌣
016 = P	036 = 9	056 = LOCK	076 = △
017 = Q	037 = +	057 = STOP	
018 = R	038 = -	058 = ENTER	
019 = S	039 = .	059 = BACK	
020 = T	040 = x	060 = LINE	



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Lettering Colour of Laser Lettering

Material	Lettering Colour	
Stainless Steel	black	Filled letters

Variants

Mounting Diameter [mm]	Terminal	Housing Material	Actuator area	Туре	Order Number
22	Flexible wire	Stainless Steel	Stainless Steel	PSE M 22 HI	1241.3993
22	Flexible wire	Stainless Steel	Stainless Steel	PSE M 22 HILE	1241.3993.061

Legend:

Type: HI = High Impact LE = Lettered

The nut with gasket are enclosed in the box.

The listed item numbers represent a selection from the range of piezo switches.

Other mounting diameters, materials, colors and connections are available on request.