

KISSLING PLUNGER SWITCH

Series 44 - from TE Connectivity (TE)

Switch for different gear applications

The Series 44 switches were developed using our competence and know-how gathered over decades of manufacturing long-life switches to meet even the most difficult operating requirements.

Series 44 plunger switches are designed and constructed to meet high temperature and vibration requirements. The robust design features IP6K9K environmental sealing and high reliability shaft and have undergone long life testing for over 2 Million cycles.

Plunger derivatives permit vertical or angular attack. Various housing designs satisfy differing mounting conditions. Electrical interface is made by bayonet connector in respect to ISO 15170-1 (DIN 72585) or circular pins. Series 44 plunger switches are available in NO and NC contact configuration.

Function

A plunger switch is used to open and close a circuit when pressing the surface hardened actuating pin. Additional benefits on request include diagnostic functions and a 30 bar pressure sealing capability. Standard Sealing Specifications is 1 bar pressure.

Features

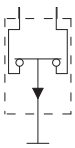
- Mechanical switches rated for 10mA - 50A at 9-32VDC
- Resistant against most oils, fuels, hydraulic, dust and solvents
- Vibration (5G) resistant
- Plunger designed to permit both vertical and angular actuation

Applications

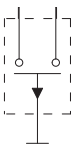
- Transmissions
- Drive trains and conveyor systems
- Specialized commercial vehicles
- Industrial equipment
- Marine applications

Switching function

NC- Contact



NO- Contact



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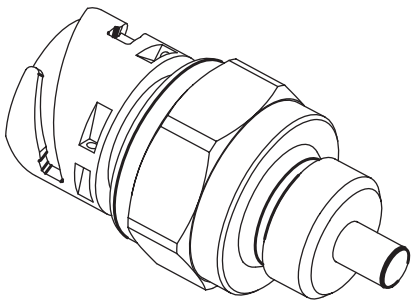
Specification

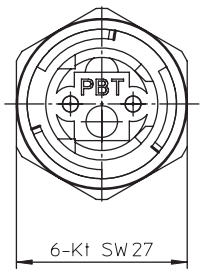
Technical Data

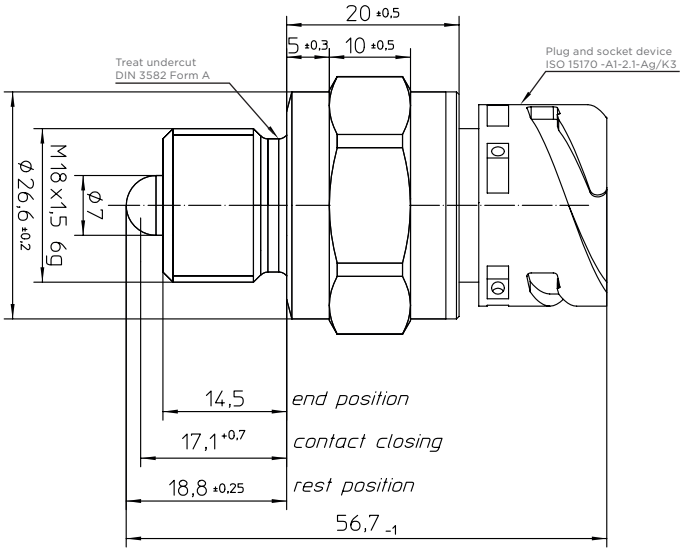
Temperature range	-40°C to +150°C
Housing Material	steel or brass
Insulating part	PA or PBT
Actuating pin	Surface hardened steel, nickel plated
Protection	IP6K9K
Vibration	min 5g / 100 to 1000Hz
Actuation	axial or side
Operating travel	optional 4 - 15mm
Operating force	optional 8 - 80N
Thread size	see list
Mechanical life	up to 2mio. cycles
Voltage range	9VDC - 32VDC
Continuous current	10mA - 10A

Dimensions with Bayonet Connector

44-01-009

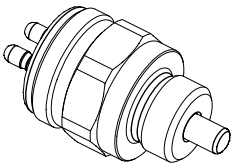


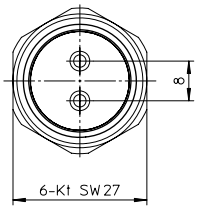


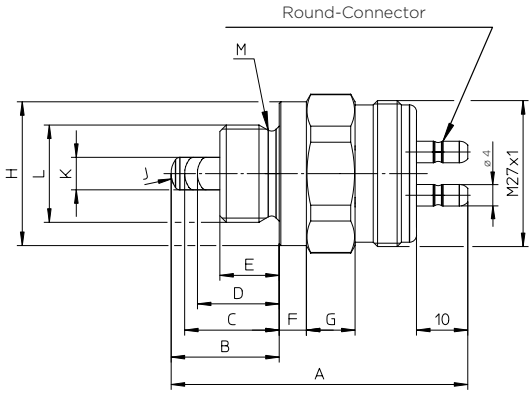


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Dimensions with Round-Connector







Plunger Position

B = Rest position

C = Contact opening

D = End position

M = Form thread undercut DIN 3852

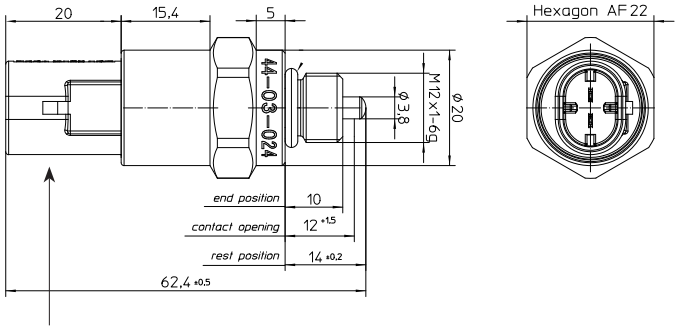
All thread with 1,5 pitch

N = NC - Normally closed contact

NO - Normally open contact

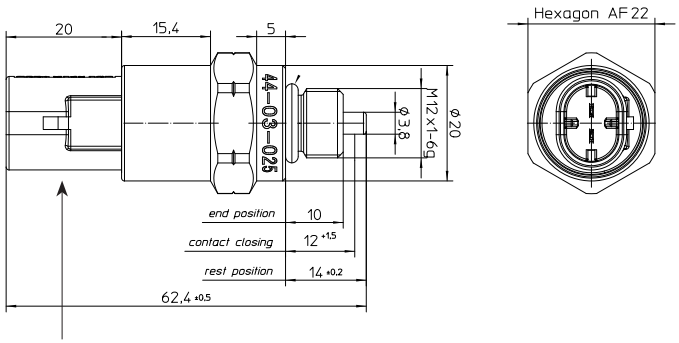
	A	B	C	D	E	F	G	H	J	K	L	M	N
44-02-049	50,8	12,0	10,3	8,0	8,0	8,5	10,0	Ø 20,0	R 3,5	Ø 7	M 12x1	-	NC
44-02-047	59,8	21,0	19,3	17,0	20,0	5,0	10,0	Ø 26,6	R 4,5	Ø 7	M 12x1	-	NC
44-02-048	50,8	18,8	17,1	14,5	14,5	5,0	6,6	Ø 26,6	R 3,5	Ø 7	M 20	-	NC
44-02-004	54,4	20,0	18,8	14,0	11,0	2,0	12,0	Ø 26,6	R 4,5	Ø 6	M 18	A	NC
44-02-046	58,0	20,0	18,3	15,0	12,0	3,0	8,0	Ø 35,8	Flach	Ø 6	M 30	B	NO
44-02-027	57,2	20,0	18,3	14,0	11,0	2,0	12,0	Ø 26,6	R 4,5	Ø 6	M 18	A	NO

44-03-024



Mating connector
AMP MCP 1.5K

44-03-025



Mating connector
AMP MCP 1.5K

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