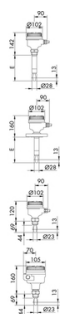


## ROSEMOUNT Electronic level switch fig. 8382 series 2120 stainless steel external thread



### Characteristics

**Series:** 2120  
**Type:** 8382  
**Model:** Vibrating forkswitch  
**Sensor material:** Stainless steel 316L  
**Sensor quality class:** 1.4401 / 1.4404  
**Material switch housing:** Polyamide, glass-fibre reinforced  
**Electrical connection:** Cable screw gland M20 x 1,5  
**Time delay:** 0,3 / 1 / 3 / 10 / 30 Seconds dry-to-wet or wet-to-dry s

### Characteristics [2]

**Max. operating pressure:** 100 bar  
**Medium temperature:** -40 / 150 °C  
**Ambient temperature:** -40 / 80 °C  
**Min. specific density of liquid:** 600 kg/m<sup>3</sup>  
**Max. viscosity:** 10000 mm<sup>2</sup>/s  
**Level of protection (IP value):** IP66/IP67

Process connection	Size process connection	Insert length mm	Supply voltage	Switching power	Type of output	Explosion-proof	Ex-class	ATEX Zone	Approvals	Article
External thread (BSPP)	1" (25)	44	8V DC		IS NAMUR (EN 50227)	Yes	II 1GD Ex ia IIC T5...T2 Ga	Zone 0 / 1 / 2	ATEX IECEx	12725893
External thread (NPT)	1" (25)	44	8V DC		IS NAMUR (EN 50227)	Yes	II 1GD Ex ia IIC T5...T2 Ga	Zone 0 / 1 / 2	ATEX IECEx	12725898
External thread (BSPT)	1" (25)	44	8V DC		IS NAMUR (EN 50227)	Yes	II 1GD Ex ia IIC T5...T2 Ga	Zone 0 / 1 / 2	ATEX IECEx	12725888
External thread (NPT)	1" (25)	44	20 - 264V AC / 20 - 60V DC	250V / 3,5 A / 875VA AC - 30V / 3,5 A / 170 W inductive - 250V / 5 A / 1250VA AC - 30V / 5 A / 240W resistive	Relay DPDT	No				12725900
External thread (BSPT)	1" (25)	44	20 - 264V AC / 20 - 60V DC	250V / 3,5 A / 875VA AC - 30V / 3,5 A / 170 W inductive - 250V / 5 A / 1250VA AC - 30V / 5 A / 240W resistive	Relay DPDT	No				12725890
External thread (NPT)	1" (25)	44	20 - 264V AC / 20 - 60V DC	264V AC / 20 - 500 mA - 60V DC / 20 - 500 mA	Direct load	No				12725899
External thread (BSPP)	1" (25)	44	20 - 264V AC / 20 - 60V DC	250V / 3,5 A / 875VA AC - 30V / 3,5 A / 170 W inductive - 250V / 5 A / 1250VA AC - 30V / 5 A / 240W resistive	Relay DPDT	No				12725895
External thread (BSPT)	1" (25)	44	20 - 264V AC / 20 - 60V DC	264V AC / 20 - 500 mA - 60V DC / 20 - 500 mA	Direct load	No				12725889
External thread (BSPP)	1" (25)	44	20 - 264V AC / 20 - 60V DC	264V AC / 20 - 500 mA - 60V DC / 20 - 500 mA	Direct load	No				12725894

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Process connection	Size process connection	Insert length mm	Supply voltage	Switching power	Type of output	Explosion-proof	Ex-class	ATEX Zone	Approvals	Article
External thread (BSPT)	1" [25]	44	20 - 60V DC	60V DC / 500 mA	PNP Transistor	No				12725886
External thread (NPT)	1" [25]	44	20 - 60V DC	60V DC / 500 mA	PNP Transistor	No				12725896
External thread (BSPP)	1" [25]	44	20 - 60V DC	60V DC / 500 mA	PNP Transistor	No				12725891
External thread (BSPT)	1" [25]	44	24V DC		IS 8 / 16 mA	Yes	II 1GD Ex ia IIC T5...T2 Ga	Zone 0 / 1 / 2	ATEX IECEx	12725887
External thread (NPT)	1" [25]	44	24V DC		IS 8 / 16 mA	Yes	II 1GD Ex ia IIC T5...T2 Ga	Zone 0 / 1 / 2	ATEX IECEx	12725897
External thread (BSPP)	1" [25]	44	24V DC		IS 8 / 16 mA	Yes	II 1GD Ex ia IIC T5...T2 Ga	Zone 0 / 1 / 2	ATEX IECEx	12725892
External thread (BSPT)	3/4" [20]	44	8V DC		IS NAMUR [EN 50227]	Yes	II 1GD Ex ia IIC T5...T2 Ga	Zone 0 / 1 / 2	ATEX IECEx	12725873
External thread (NPT)	3/4" [20]	44	8V DC		IS NAMUR [EN 50227]	Yes	II 1GD Ex ia IIC T5...T2 Ga	Zone 0 / 1 / 2	ATEX IECEx	12725883
External thread (BSPP)	3/4" [20]	44	8V DC		IS NAMUR [EN 50227]	Yes	II 1GD Ex ia IIC T5...T2 Ga	Zone 0 / 1 / 2	ATEX IECEx	12725878
External thread (BSPP)	3/4" [20]	44	20 - 264V AC / 20 - 60V DC	250V / 3,5 A / 875VA AC - 30V / 3,5 A / 170 W inductive - 250V / 5 A / 1250VA AC - 30V / 5 A / 240W resistive	Relay DPDT	No				12725880
External thread (BSPT)	3/4" [20]	44	20 - 264V AC / 20 - 60V DC	264V AC / 20 - 500 mA - 60V DC / 20 - 500 mA	Direct load	No				12725874
External thread (BSPP)	3/4" [20]	44	20 - 264V AC / 20 - 60V DC	264V AC / 20 - 500 mA - 60V DC / 20 - 500 mA	Direct load	No				12725879
External thread (BSPT)	3/4" [20]	44	20 - 264V AC / 20 - 60V DC	250V / 3,5 A / 875VA AC - 30V / 3,5 A / 170 W inductive - 250V / 5 A / 1250VA AC - 30V / 5 A / 240W resistive	Relay DPDT	No				12725875
External thread (NPT)	3/4" [20]	44	20 - 264V AC / 20 - 60V DC	264V AC / 20 - 500 mA - 60V DC / 20 - 500 mA	Direct load	No				12725884
External thread (NPT)	3/4" [20]	44	20 - 264V AC / 20 - 60V DC	250V / 3,5 A / 875VA AC - 30V / 3,5 A / 170 W inductive - 250V / 5 A / 1250VA AC - 30V / 5 A / 240W resistive	Relay DPDT	No				12725885
External thread (BSPP)	3/4" [20]	44	20 - 60V DC	60V DC / 500 mA	PNP Transistor	No				12725876
External thread (NPT)	3/4" [20]	44	20 - 60V DC	60V DC / 500 mA	PNP Transistor	No				12725881
External thread (BSPT)	3/4" [20]	44	20 - 60V DC	60V DC / 500 mA	PNP Transistor	No				12725871
External thread (BSPT)	3/4" [20]	44	24V DC		IS 8 / 16 mA	Yes	II 1GD Ex ia IIC T5...T2 Ga	Zone 0 / 1 / 2	ATEX IECEx	12725872
External thread (NPT)	3/4" [20]	44	24V DC		IS 8 / 16 mA	Yes	II 1GD Ex ia IIC T5...T2 Ga	Zone 0 / 1 / 2	ATEX IECEx	12725882
External thread (BSPP)	3/4" [20]	44	24V DC		IS 8 / 16 mA	Yes	II 1GD Ex ia IIC T5...T2 Ga	Zone 0 / 1 / 2	ATEX IECEx	12725877

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