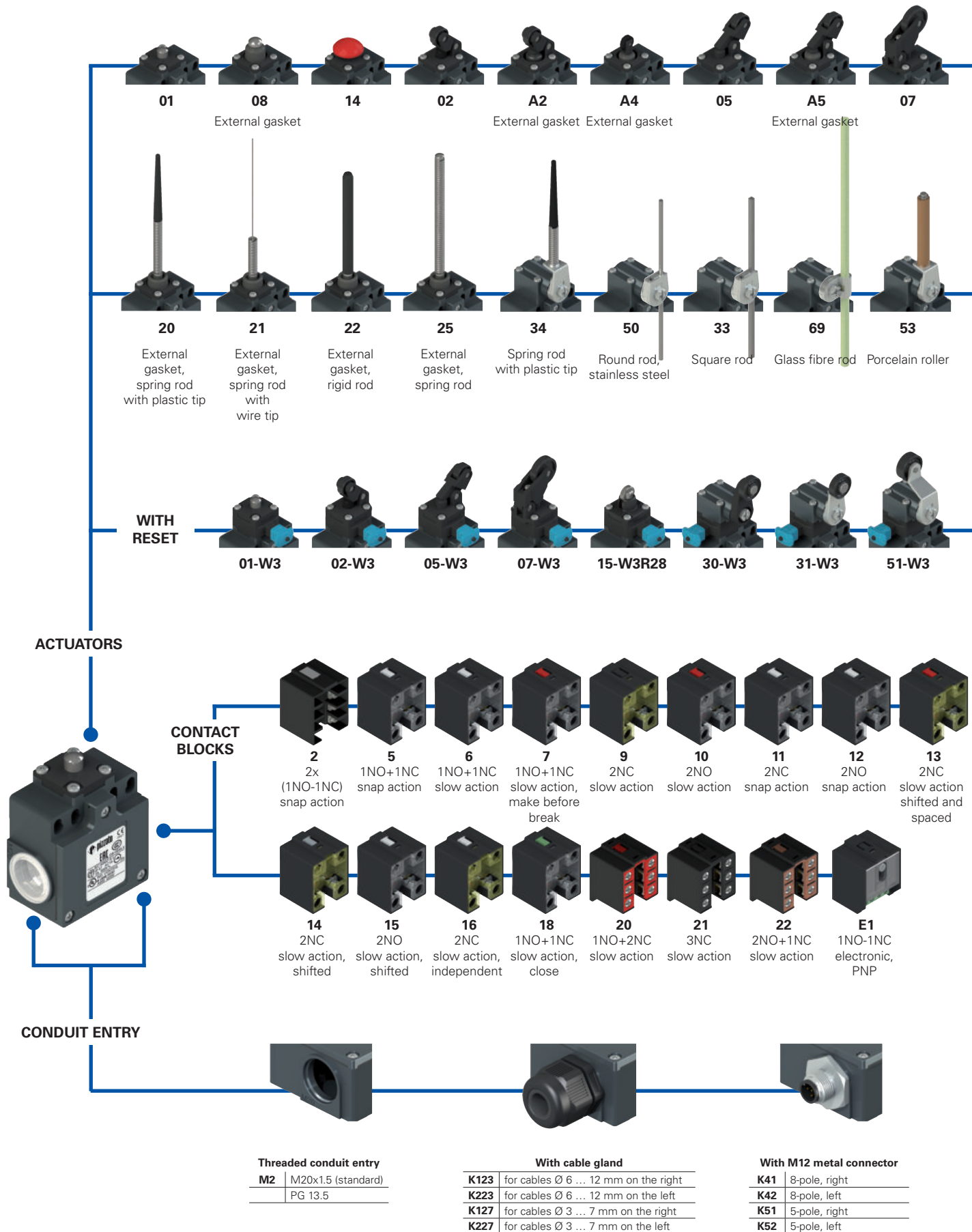
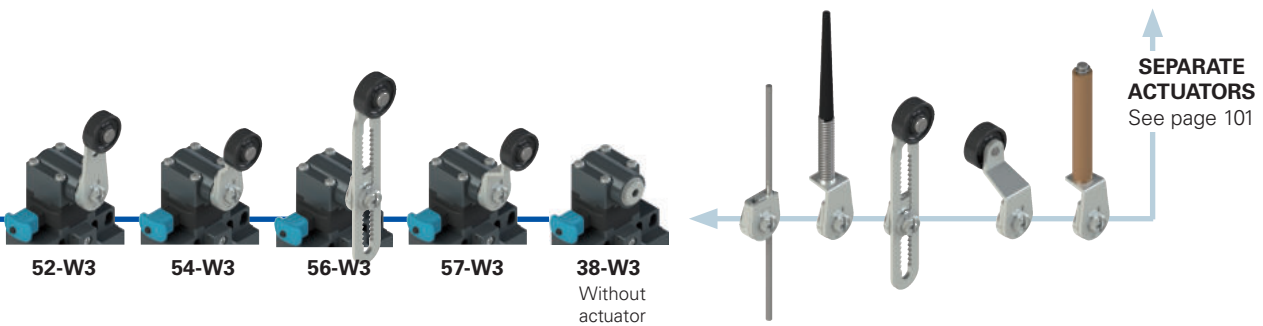
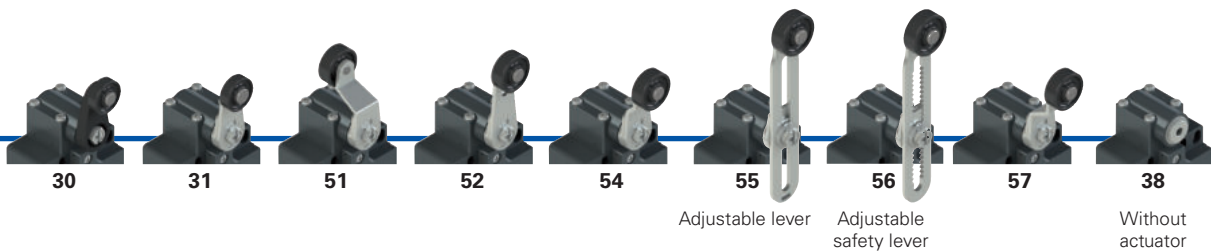
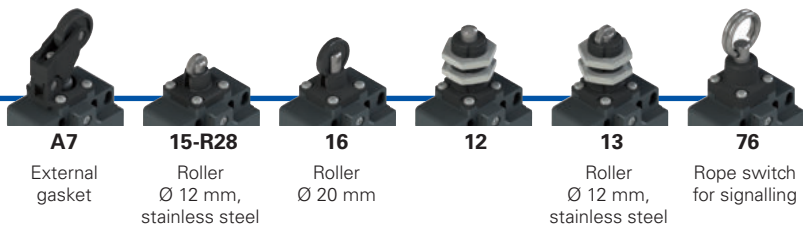


Selection diagram



● Product options
→ Sold separately as accessory


Code structure

Attention! The feasibility of a code number does not mean the effective availability of a product. Please contact our sales office.

article
options
options
FZ 502-W3GM2K51R23T6

Housing		Ambient temperature	
FZ	metal, two conduit entries		-25°C ... +80°C (standard)
Contact block		T6	-40°C ... +80°C
5	1NO+1NC, snap action	Pre-installed cable glands or connectors	
6	1NO+1NC, slow action		no cable gland or connector (standard)
7	1NO+1NC, slow action, make before break	K123	cable gland for cables Ø 6 ... 12 mm on the right
...	K51	M12 metal connector, 5-pole, right
Actuators		For the complete list of possible combinations please contact our technical department.	
01	short plunger	Threaded conduit entry	Rollers
02	roller lever	M2	M20x1.5 (standard)
05	angled lever with roller		PG 13.5
...		
Reset			
	without reset (standard)		R28
W3	simultaneous reset		stainless steel Ø 12 mm (for actuators A4, 15)
W4	simultaneous reset, increased force		R23
			stainless steel Ø 14 mm (for actuators A2, 02, A5, 05, 30, 31, 51, 52, 54, 55, 56, 57)
			R24
			stainless steel Ø 20 mm (for actuators 30, 31, 51, 52, 54, 55, 56, 57)
			R25
			technopolymer, Ø 35 mm (for actuators 30, 31, 51, 52, 54, 55, 56, 57)
			R5
			rubber, Ø 40 mm (for actuators 30, 31, 51, 52, 54, 55, 56, 57)
			R26
			rubber, Ø 50 mm (for actuators 51, 52, 54, 55, 56, 57)
			R27
			rubber, protruding, Ø 50 mm (for actuators 55, 56)
Contact type			
	silver contacts (standard)		
G	silver contacts, 1 µm gold coating		
G1	silver contacts, 2.5 µm gold coating (not for contact block 2, 20, 21, 22)		



Main features

- Metal housing, two conduit entries
- Protection degree IP67
- 17 contact blocks available
- 44 actuators available
- Versions with M12 connector
- Versions with gold-plated silver contacts

Technical data

Housing

Metal housing, powder-coated
 Two threaded conduit entries: M20x1.5 (standard)
 Protection degree acc. to EN 60529: IP67 with cable gland of equal or higher protection degree

General data

Ambient temperature: -25°C ... +80°C (standard)
 -40°C ... +80°C (T6 option)
 Max. actuation frequency: 3600 operating cycles/hour
 Mechanical endurance: 20 million operating cycles
 Mounting position: any
 Safety parameter B_{10D} : 40,000,000 for NC contacts
 Mechanical interlock, not coded: type 1 acc. to EN ISO 14119
 Tightening torques for installation: see page 227
 Wire cross-sections and wire stripping lengths: see page 243

In compliance with standards:

IEC 60947-5-1, EN 60947-5-1, EN 60947-1, IEC 60204-1, EN 60204-1, EN ISO 14119, EN ISO 12100, IEC 60529, EN 60529, EN 50581, UL 508, CSA 22.2 No.14.

Approvals:

IEC 60947-5-1, UL 508, CSA 22.2 No.14, GB/T14048.5-2017.

Compliance with the requirements of:

Low Voltage Directive 2014/35/EU, EMC Directive 2014/30/EU, RoHS Directive 2011/65/EU.

Positive contact opening in conformity with standards:

IEC 60947-5-1, EN 60947-5-1.

Quality marks:



IMO approval: EG610
 UL approval: E131787
 CCC approval: 2007010305229998
 EAC approval: RU C-IT.YT03.B.00035/19

Installation for safety applications:

Use only switches marked with the symbol \ominus next to the product code. Always connect the safety circuit to the **NC contacts** (normally closed contacts: 11-12, 21-22 or 31-32) as required by **EN ISO 14119, paragraph 5.4** for specific interlock applications and **EN ISO 13849-2 tables D3** (well-tries components) and **D.8** (fault exclusions) for safety applications in general. Actuate the switch **at least up to the positive opening travel** shown in the travel diagrams on page 228. Actuate the switch **at least with the positive opening force**, reported in brackets below each article, next to the actuating force value.

⚠ If not expressly indicated in this chapter, for correct installation and utilization of all articles see the instructions given on pages 223 to 236.

	Electrical data	Utilization category
without connector	Thermal current (I_{th}):	10 A
	Rated insulation voltage (U):	500 Vac 600 Vdc 400 Vac 500 Vdc (contact blocks 2, 11, 12, 20, 21, 22)
	Rated impulse withstand voltage (U_{imp}):	6 kV 4 kV (contact blocks 20, 21, 22)
	Conditional short circuit current: Protection against short circuits: Pollution degree:	1000 A acc. to EN 60947-5-1 type aM fuse 10 A 500 V 3
with M12 connector, 5-pole	Thermal current (I_{th}):	4 A
	Rated insulation voltage (U):	250 Vac 300 Vdc
	Protection against short circuits: Pollution degree:	type gG fuse 4 A 500 V 3
		Alternating current: AC15 (50÷60 Hz) Ue (V) 250 400 500 Ie (A) 6 4 1 Direct current: DC13 Ue (V) 24 125 250 Ie (A) 3 0.55 0.3
with M12 connector, 8-pole	Thermal current (I_{th}):	2 A
	Rated insulation voltage (U):	30 Vac 36 Vdc
	Protection against short circuits: Pollution degree:	type gG fuse 2 A 500 V 3
		Alternating current: AC15 (50÷60 Hz) Ue (V) 24 Ie (A) 2 Direct current: DC13 Ue (V) 24 Ie (A) 2

Features approved by IMQ

Rated insulation voltage (U_i): 500 Vac
 400 Vac (for contact blocks 2, 11, 12, 20, 21, 22, 33, 34)

Conventional free air thermal current (I_{th}): 10 A

Protection against short circuits: type aM fuse 10 A 500 V

Rated impulse withstand voltage (U_{imp}): 6 kV
 4 kV (for contact blocks 20, 21, 22, 33, 34)

Protection degree of the housing: IP67

MV terminals (screw terminals)

Pollution degree: 3

Utilization category: AC15

Operating voltage (U_o): 400 Vac (50 Hz)

Operating current (I_o): 3 A

Forms of the contact element: Za, Zb, Za+Za, Y+Y, X+X, Y+Y+X, Y+Y+Y, Y+X+X

Positive opening of contacts on contact blocks 5, 6, 7, 9, 11, 13, 14, 16, 18, 20, 21, 22, 33, 34

In compliance with standards: EN 60947-1, EN 60947-5-1, fundamental requirements of the Low Voltage Directive 2014/35/EU.

Please contact our technical department for the list of approved products.

Features approved by UL

Electrical Ratings: Q300 pilot duty (69 VA, 125-250 V dc)
 A600 pilot duty (720 VA, 120-600 V ac)

Environmental Ratings: Types 1, 4X, 12, 13

For all contact blocks except 2 and 3 use 60 or 75°C copper (Cu) conductors, rigid or flexible, wire size 12, 14 AWG. Tightening torque for terminal screws of 7.1 lb in (0.8 Nm).

For contact blocks 2 and 3 use 60 or 75°C copper (Cu) conductors, rigid or flexible, wire size 14 AWG. Tightening torque for terminal screws of 12 lb in (1.4 Nm).

Please contact our technical department for the list of approved products.

Wiring diagram for M12 connectors

Contact block 2 2x(1NO-1NC)	Contact block 5 1NO+1NC	Contact block 6 1NO+1NC	Contact block 7 1NO+1NC	Contact block 9 2NC	Contact block 10 2NO	Contact block 11 2NC	Contact block 12 2NO	Contact block 13 2NC
M12 connector, 8-pole	M12 connector, 5-pole	M12 connector, 5-pole	M12 connector, 5-pole	M12 connector, 5-pole	M12 connector, 5-pole	M12 connector, 5-pole	M12 connector, 5-pole	M12 connector, 5-pole
Contacts Pin no.	Contacts Pin no.	Contacts Pin no.	Contacts Pin no.	Contacts Pin no.	Contacts Pin no.	Contacts Pin no.	Contacts Pin no.	Contacts Pin no.
NO 3-4	NC 1-2	NC 1-2	NC 1-2	NC 1-2	NO 1-2	NC 1-2	NO 1-2	NC (1°) 1-2
NC 5-6	NO 3-4	NO 3-4	NO 3-4	NC 3-4	NO 3-4	NC 3-4	NO 3-4	NO (2°) 3-4
NC 7-8	ground 5	ground 5	ground 5	ground 5	ground 5	ground 5	ground 5	ground 5
NO 1-2								

Contact block 14 2NC	Contact block 15 2NO	Contact block 16 2NC	Contact block 18 1NO+1NC	Contact block 20 1NO+2NC	Contact block 21 3NC	Contact block 22 2NO+1NC	Contact block 33 1NO+1NC	Contact block 34 2NC
M12 connector, 5-pole	M12 connector, 5-pole	M12 connector, 5-pole	M12 connector, 5-pole	M12 connector, 8-pole	M12 connector, 8-pole	M12 connector, 8-pole	M12 connector, 5-pole	M12 connector, 5-pole
Contacts Pin no.	Contacts Pin no.	Contacts Pin no.	Contacts Pin no.	Contacts Pin no.	Contacts Pin no.	Contacts Pin no.	Contacts Pin no.	Contacts Pin no.
NC (1°) 1-2	NO (1°) 1-2	NC, lever to the right 1-2	NC 1-2	NC 3-4	NC 3-4	NC 3-4	NC 1-2	NC 1-2
NC (2°) 3-4	NO (2°) 3-4	NC, lever to the left 3-4	NO 3-4	NC 5-6	NC 5-6	NO 5-6	NO 3-4	NC 3-4
ground 5	ground 5	ground 5	ground 5	NO 7-8	NC 7-8	NO 7-8	ground 5	ground 5
				ground 1	ground 1	ground 1		

Contact block E1 PNP
M12 connector, 5-pole
Contacts Pin no.
+ 1
- 3
NC 2
NO 4
ground 5

FZ series position switches

- Contact type
- R** = snap action
 - L** = slow action
 - LO** = slow action make before break
 - LS** = slow action shifted
 - LV** = slow action shifted and spaced
 - LI** = slow action independent
 - LA** = slow action close
 - ⏏** = electronic PNP

Contact block

		With stainless steel roller on request		External gasket		External gasket		
2	R FZ 201-M2	2x(1NO-1NC)	FZ 202-M2	2x(1NO-1NC)	FZ 2A2-M2	2x(1NO-1NC)	FZ 2A4-M2	2x(1NO-1NC)
5	R FZ 501-M2	⊕ 1NO+1NC	FZ 502-M2	⊕ 1NO+1NC	FZ 5A2-M2	⊕ 1NO+1NC	FZ 5A4-M2	⊕ 1NO+1NC
6	L FZ 601-M2	⊕ 1NO+1NC	FZ 602-M2	⊕ 1NO+1NC	FZ 6A2-M2	⊕ 1NO+1NC	FZ 6A4-M2	⊕ 1NO+1NC
7	LO FZ 701-M2	⊕ 1NO+1NC	FZ 702-M2	⊕ 1NO+1NC	FZ 7A2-M2	⊕ 1NO+1NC	FZ 7A4-M2	⊕ 1NO+1NC
9	L FZ 901-M2	⊕ 2NC	FZ 902-M2	⊕ 2NC	FZ 9A2-M2	⊕ 2NC	FZ 9A4-M2	⊕ 2NC
10	L FZ 1001-M2	2NO	FZ 1002-M2	2NO	FZ 10A2-M2	2NO	FZ 10A4-M2	2NO
11	R FZ 1101-M2	⊕ 2NC	FZ 1102-M2	⊕ 2NC	FZ 11A2-M2	⊕ 2NC	FZ 11A4-M2	⊕ 2NC
12	R FZ 1201-M2	2NO	FZ 1202-M2	2NO	FZ 12A2-M2	2NO	FZ 12A4-M2	2NO
13	LV FZ 1301-M2	⊕ 2NC	FZ 1302-M2	⊕ 2NC	FZ 13A2-M2	⊕ 2NC	FZ 13A4-M2	⊕ 2NC
14	LS FZ 1401-M2	⊕ 2NC	FZ 1402-M2	⊕ 2NC	FZ 14A2-M2	⊕ 2NC	FZ 14A4-M2	⊕ 2NC
15	LS FZ 1501-M2	2NO	FZ 1502-M2	2NO	FZ 15A2-M2	2NO	FZ 15A4-M2	2NO
18	LA FZ 1801-M2	⊕ 1NO+1NC	FZ 1802-M2	⊕ 1NO+1NC	FZ 18A2-M2	⊕ 1NO+1NC	FZ 18A4-M2	⊕ 1NO+1NC
20	L FZ 2001-M2	⊕ 1NO+2NC	FZ 2002-M2	⊕ 1NO+2NC	FZ 20A2-M2	⊕ 1NO+2NC	FZ 20A4-M2	⊕ 1NO+2NC
21	L FZ 2101-M2	⊕ 3NC	FZ 2102-M2	⊕ 3NC	FZ 21A2-M2	⊕ 3NC	FZ 21A4-M2	⊕ 3NC
22	L FZ 2201-M2	⊕ 2NO+1NC	FZ 2202-M2	⊕ 2NO+1NC	FZ 22A2-M2	⊕ 2NO+1NC	FZ 22A4-M2	⊕ 2NO+1NC
E1	⏏ FZ E101-M2	1NO-1NC	FZ E102-M2	1NO-1NC	FZ E1A2-M2	1NO-1NC	FZ E1A4-M2	1NO-1NC
Max. speed	page 227 - type 4		page 227 - type 3		page 227 - type 3		page 227 - type 5	
Actuating force	8 N (25 N ⊕)		6 N (25 N ⊕)		4.3 N (25 N ⊕)		4.3 N (25 N ⊕)	
Travel diagrams	page 228 - group 1		page 228 - group 2		page 228 - group 2		page 228 - group 1	

- Contact type
- R** = snap action
 - L** = slow action
 - LO** = slow action make before break
 - LS** = slow action shifted
 - LV** = slow action shifted and spaced
 - LI** = slow action independent
 - LA** = slow action close
 - ⏏** = electronic PNP

Contact block

		With stainless steel roller on request		External gasket		External gasket		
2	R FZ 205-M2	2x(1NO-1NC)	FZ 2A5-M2	2x(1NO-1NC)	FZ 207-M2	2x(1NO-1NC)	FZ 2A7-M2	2x(1NO-1NC)
5	R FZ 505-M2	⊕ 1NO+1NC	FZ 5A5-M2	⊕ 1NO+1NC	FZ 507-M2	⊕ 1NO+1NC	FZ 5A7-M2	⊕ 1NO+1NC
6	L FZ 605-M2	⊕ 1NO+1NC	FZ 6A5-M2	⊕ 1NO+1NC	FZ 607-M2	⊕ 1NO+1NC	FZ 6A7-M2	⊕ 1NO+1NC
7	LO FZ 705-M2	⊕ 1NO+1NC	FZ 7A5-M2	⊕ 1NO+1NC	FZ 707-M2	⊕ 1NO+1NC	FZ 7A7-M2	⊕ 1NO+1NC
9	L FZ 905-M2	⊕ 2NC	FZ 9A5-M2	⊕ 2NC	FZ 907-M2	⊕ 2NC	FZ 9A7-M2	⊕ 2NC
10	L FZ 1005-M2	2NO	FZ 10A5-M2	2NO	FZ 1007-M2	2NO	FZ 10A7-M2	2NO
11	R FZ 1105-M2	⊕ 2NC	FZ 11A5-M2	⊕ 2NC	FZ 1107-M2	⊕ 2NC	FZ 11A7-M2	⊕ 2NC
12	R FZ 1205-M2	2NO	FZ 12A5-M2	2NO	FZ 1207-M2	2NO	FZ 12A7-M2	2NO
13	LV FZ 1305-M2	⊕ 2NC	FZ 13A5-M2	⊕ 2NC	FZ 1307-M2	⊕ 2NC	FZ 13A7-M2	⊕ 2NC
14	LS FZ 1405-M2	⊕ 2NC	FZ 14A5-M2	⊕ 2NC	FZ 1407-M2	⊕ 2NC	FZ 14A7-M2	⊕ 2NC
15	LS FZ 1505-M2	2NO	FZ 15A5-M2	2NO	FZ 1507-M2	2NO	FZ 15A7-M2	2NO
18	LA FZ 1805-M2	⊕ 1NO+1NC	FZ 18A5-M2	⊕ 1NO+1NC	FZ 1807-M2	⊕ 1NO+1NC	FZ 18A7-M2	⊕ 1NO+1NC
20	L FZ 2005-M2	⊕ 1NO+2NC	FZ 20A5-M2	⊕ 1NO+2NC	FZ 2007-M2	⊕ 1NO+2NC	FZ 20A7-M2	⊕ 1NO+2NC
21	L FZ 2105-M2	⊕ 3NC	FZ 21A5-M2	⊕ 3NC	FZ 2107-M2	⊕ 3NC	FZ 21A7-M2	⊕ 3NC
22	L FZ 2205-M2	⊕ 2NO+1NC	FZ 22A5-M2	⊕ 2NO+1NC	FZ 2207-M2	⊕ 2NO+1NC	FZ 22A7-M2	⊕ 2NO+1NC
E1	⏏ FZ E105-M2	1NO-1NC	FZ E1A5-M2	1NO-1NC	FZ E107-M2	1NO-1NC	FZ E1A7-M2	1NO-1NC
Max. speed	page 227 - type 3		page 227 - type 3		page 227 - type 3		page 227 - type 3	
Actuating force	6 N (25 N ⊕)		4.3 N (25 N ⊕)		4 N (25 N ⊕)		3 N (25 N ⊕)	
Travel diagrams	page 228 - group 2		page 228 - group 2		page 228 - group 3		page 228 - group 3	

All values in the drawings are in mm

Accessories See page 207

→ The 2D and 3D files are available at www.pizzato.com



		External gasket							
Contact type									
Contact block									
2	R	FZ 208-M2	2x(1NO-1NC)	FZ 212-M2	2x(1NO-1NC)	FZ 213-M2	2x(1NO-1NC)	FZ 214-M2	2x(1NO-1NC)
5	R	FZ 508-M2	1NO+1NC	FZ 512-M2	1NO+1NC	FZ 513-M2	1NO+1NC	FZ 514-M2	1NO+1NC
6	L	FZ 608-M2	1NO+1NC	FZ 612-M2	1NO+1NC	FZ 613-M2	1NO+1NC	FZ 614-M2	1NO+1NC
7	LO	FZ 708-M2	1NO+1NC	FZ 712-M2	1NO+1NC	FZ 713-M2	1NO+1NC	FZ 714-M2	1NO+1NC
9	L	FZ 908-M2	2NC	FZ 912-M2	2NC	FZ 913-M2	2NC	FZ 914-M2	2NC
10	L	FZ 1008-M2	2NO	FZ 1012-M2	2NO	FZ 1013-M2	2NO	FZ 1014-M2	2NO
11	R	FZ 1108-M2	2NC	FZ 1112-M2	2NC	FZ 1113-M2	2NC	FZ 1114-M2	2NC
12	R	FZ 1208-M2	2NO	FZ 1212-M2	2NO	FZ 1213-M2	2NO	FZ 1214-M2	2NO
13	LV	FZ 1308-M2	2NC	FZ 1312-M2	2NC	FZ 1313-M2	2NC	FZ 1314-M2	2NC
14	LS	FZ 1408-M2	2NC	FZ 1412-M2	2NC	FZ 1413-M2	2NC	FZ 1414-M2	2NC
15	LS	FZ 1508-M2	2NO	FZ 1512-M2	2NO	FZ 1513-M2	2NO	FZ 1514-M2	2NO
18	LA	FZ 1808-M2	1NO+1NC	FZ 1812-M2	1NO+1NC	FZ 1813-M2	1NO+1NC	FZ 1814-M2	1NO+1NC
20	L	FZ 2008-M2	1NO+2NC	FZ 2012-M2	1NO+2NC	FZ 2013-M2	1NO+2NC	FZ 2014-M2	1NO+2NC
21	L	FZ 2108-M2	3NC	FZ 2112-M2	3NC	FZ 2113-M2	3NC	FZ 2114-M2	3NC
22	L	FZ 2208-M2	2NO+1NC	FZ 2212-M2	2NO+1NC	FZ 2213-M2	2NO+1NC	FZ 2214-M2	2NO+1NC
E1		FZ E108-M2	1NO-1NC	FZ E112-M2	1NO-1NC	FZ E113-M2	1NO-1NC	FZ E114-M2	1NO-1NC
Max. speed		page 227 - type 4		page 227 - type 4		page 227 - type 2		page 227 - type 4	
Actuating force		8 N (25 N \ominus)		8 N (25 N \ominus)		8 N (25 N \ominus)		8 N (25 N \ominus)	
Travel diagrams		page 228 - group 1		page 228 - group 1		page 228 - group 1		page 228 - group 1	

		External gasket		External gasket		Spring rod		Spring rod	
Contact type									
Contact block									
2	R	FZ 215-M2R28	2x(1NO-1NC)	FZ 216-M2	2x(1NO-1NC)	FZ 220-M2	2x(1NO-1NC)	FZ 221-M2	2x(1NO-1NC)
5	R	FZ 515-M2R28	1NO+1NC	FZ 516-M2	1NO+1NC	FZ 520-M2	1NO+1NC	FZ 521-M2	1NO+1NC
6	L	FZ 615-M2R28	1NO+1NC	FZ 616-M2	1NO+1NC	/	/	/	/
7	LO	FZ 715-M2R28	1NO+1NC	FZ 716-M2	1NO+1NC	/	/	/	/
9	L	FZ 915-M2R28	2NC	FZ 916-M2	2NC	/	/	/	/
10	L	FZ 1015-M2R28	2NO	FZ 1016-M2	2NO	FZ 1020-M2	2NO	FZ 1021-M2	2NO
11	R	FZ 1115-M2R28	2NC	FZ 1116-M2	2NC	/	/	/	/
12	R	FZ 1215-M2R28	2NO	FZ 1216-M2	2NO	FZ 1220-M2	2NO	FZ 1221-M2	2NO
13	LV	FZ 1315-M2R28	2NC	FZ 1316-M2	2NC	/	/	/	/
14	LS	FZ 1415-M2R28	2NC	FZ 1416-M2	2NC	/	/	/	/
15	LS	FZ 1515-M2R28	2NO	FZ 1516-M2	2NO	/	/	/	/
18	LA	FZ 1815-M2R28	1NO+1NC	FZ 1816-M2	1NO+1NC	FZ 1820-M2	1NO+1NC	FZ 1821-M2	1NO+1NC
20	L	FZ 2015-M2R28	1NO+2NC	FZ 2016-M2	1NO+2NC	FZ 2020-M2	1NO+2NC	FZ 2021-M2	1NO+2NC
21	L	FZ 2115-M2R28	3NC	FZ 2116-M2	3NC	FZ 2120-M2	3NC	FZ 2121-M2	3NC
22	L	FZ 2215-M2R28	2NO+1NC	FZ 2216-M2	2NO+1NC	FZ 2220-M2	2NO+1NC	FZ 2221-M2	2NO+1NC
E1		FZ E115-M2R28	1NO-1NC	FZ E116-M2	1NO-1NC	FZ E120-M2	1NO-1NC	FZ E121-M2	1NO-1NC
Max. speed		page 227 - type 2		page 227 - type 2		1 m/s		1 m/s	
Actuating force		8 N (25 N \ominus)		8 N (25 N \ominus)		0.07 Nm		0.07 Nm	
Travel diagrams		page 228 - group 1		page 228 - group 1		page 228 - group 4		page 228 - group 4	

All values in the drawings are in mm

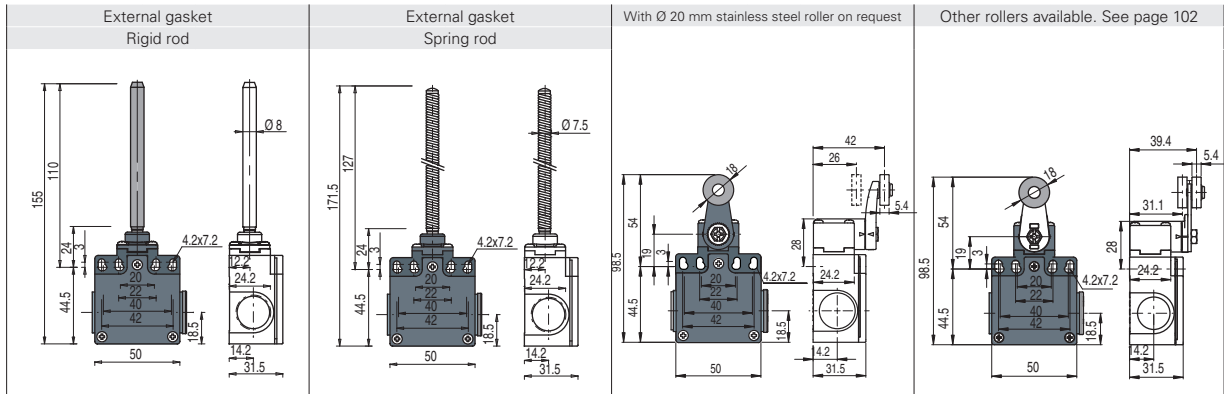
Accessories See page 207

➔ The 2D and 3D files are available at www.pizzato.com

FZ series position switches

- Contact type
- R** = snap action
 - L** = slow action
 - LO** = slow action make before break
 - LS** = slow action shifted
 - LV** = slow action shifted and spaced
 - LI** = slow action independent
 - LA** = slow action close
 - PNP** = electronic PNP

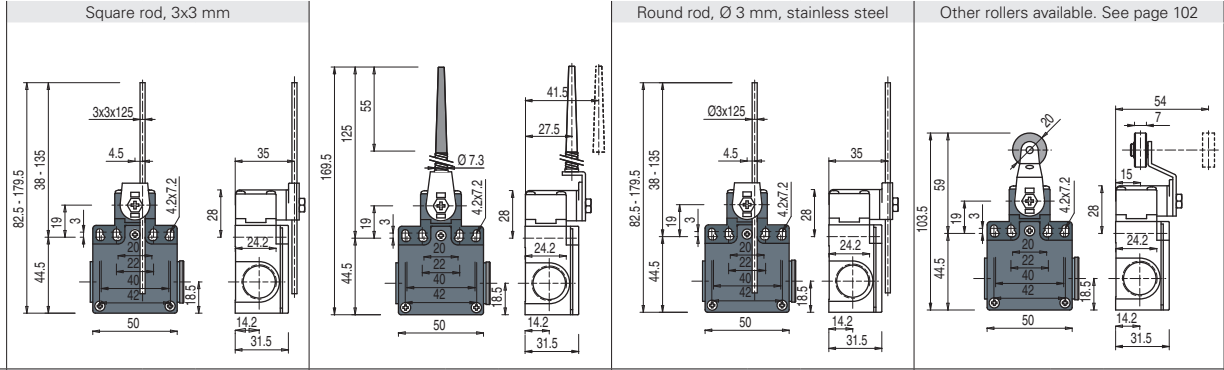
Contact block



Contact type	External gasket Rigid rod	External gasket Spring rod	With Ø 20 mm stainless steel roller on request	Other rollers available. See page 102
2 R	FZ 222-M2 2x(1NO-1NC)	FZ 225-M2 2x(1NO-1NC)	FZ 230-M2 2x(1NO-1NC)	FZ 231-M2 2x(1NO-1NC)
5 R	/	FZ 525-M2 1NO+1NC	FZ 530-M2 \oplus 1NO+1NC	FZ 531-M2 \oplus 1NO+1NC
6 L	/	/	FZ 630-M2 \oplus 1NO+1NC	FZ 631-M2 \oplus 1NO+1NC
7 LO	/	/	FZ 730-M2 \oplus 1NO+1NC	FZ 731-M2 \oplus 1NO+1NC
9 L	/	/	FZ 930-M2 \oplus 2NC	FZ 931-M2 \oplus 2NC
10 L	FZ 1022-M2 2NO	FZ 1025-M2 2NO	FZ 1030-M2 2NO	FZ 1031-M2 2NO
11 R	/	/	FZ 1130-M2 \oplus 2NC	FZ 1131-M2 \oplus 2NC
12 R	FZ 1222-M2 2NO	FZ 1225-M2 2NO	FZ 1230-M2 2NO	FZ 1231-M2 2NO
13 LV	/	/	FZ 1330-M2 \oplus 2NC	FZ 1331-M2 \oplus 2NC
14 LS	/	/	FZ 1430-M2 \oplus 2NC	FZ 1431-M2 \oplus 2NC
15 LS	/	/	FZ 1530-M2 2NO	FZ 1531-M2 2NO
16 LI	/	/	FZ 1630-M2 \oplus 2NC	FZ 1631-M2 \oplus 2NC
18 LA	FZ 1822-M2 \oplus 1NO+1NC	FZ 1825-M2 1NO+1NC	FZ 1830-M2 \oplus 1NO+1NC	FZ 1831-M2 \oplus 1NO+1NC
20 L	FZ 2022-M2 \oplus 1NO+2NC	FZ 2025-M2 1NO+2NC	FZ 2030-M2 \oplus 1NO+2NC	FZ 2031-M2 \oplus 1NO+2NC
21 L	FZ 2122-M2 \oplus 3NC	FZ 2125-M2 3NC	FZ 2130-M2 \oplus 3NC	FZ 2131-M2 \oplus 3NC
22 L	FZ 2222-M2 \oplus 2NO+1NC	FZ 2225-M2 2NO+1NC	FZ 2230-M2 \oplus 2NO+1NC	FZ 2231-M2 \oplus 2NO+1NC
E1 PNP	FZ E122-M2 1NO-1NC	FZ E125-M2 1NO-1NC	FZ E130-M2 1NO-1NC	FZ E131-M2 1NO-1NC
Max. speed	1 m/s	1 m/s	page 227 - type 1	page 227 - type 1
Actuating force	0.12 Nm (0.25 Nm \oplus)	0.12 Nm	0.06 Nm (0.25 Nm \oplus)	0.06 Nm (0.25 Nm \oplus)
Travel diagrams	page 228 - group 4	page 228 - group 4	page 228 - group 5	page 228 - group 5

- Contact type
- R** = snap action
 - L** = slow action
 - LO** = slow action make before break
 - LS** = slow action shifted
 - LV** = slow action shifted and spaced
 - LI** = slow action independent
 - LA** = slow action close
 - PNP** = electronic PNP

Contact block



Contact type	Square rod, 3x3 mm	Round rod, Ø 3 mm, stainless steel	Other rollers available. See page 102
2 R	FZ 233-M2 2x(1NO-1NC)	FZ 234-M2 2x(1NO-1NC)	FZ 250-M2 2x(1NO-1NC)
5 R	FZ 533-M2 1NO+1NC	FZ 534-M2 1NO+1NC	FZ 550-M2 1NO+1NC
6 L	FZ 633-M2 1NO+1NC	FZ 634-M2 1NO+1NC	FZ 650-M2 1NO+1NC
7 LO	FZ 733-M2 1NO+1NC	FZ 734-M2 1NO+1NC	FZ 750-M2 1NO+1NC
9 L	FZ 933-M2 2NC	FZ 934-M2 2NC	FZ 950-M2 2NC
10 L	FZ 1033-M2 2NO	FZ 1034-M2 2NO	FZ 1050-M2 2NO
11 R	FZ 1133-M2 2NC	FZ 1134-M2 2NC	FZ 1150-M2 2NC
12 R	FZ 1233-M2 2NO	FZ 1234-M2 2NO	FZ 1250-M2 2NO
13 LV	FZ 1333-M2 2NC	FZ 1334-M2 2NC	FZ 1350-M2 2NC
14 LS	FZ 1433-M2 2NC	FZ 1434-M2 2NC	FZ 1450-M2 2NC
15 LS	FZ 1533-M2 2NO	FZ 1534-M2 2NO	FZ 1550-M2 2NO
16 LI	FZ 1633-M2 2NC	FZ 1634-M2 2NC	FZ 1650-M2 2NC
18 LA	FZ 1833-M2 1NO+1NC	FZ 1834-M2 1NO+1NC	FZ 1850-M2 1NO+1NC
20 L	FZ 2033-M2 1NO+2NC	FZ 2034-M2 1NO+2NC	FZ 2050-M2 1NO+2NC
21 L	FZ 2133-M2 3NC	FZ 2134-M2 3NC	FZ 2150-M2 3NC
22 L	FZ 2233-M2 2NO+1NC	FZ 2234-M2 2NO+1NC	FZ 2250-M2 2NO+1NC
E1 PNP	FZ E133-M2 1NO-1NC	FZ E134-M2 1NO-1NC	FZ E150-M2 1NO-1NC
Max. speed	1.5 m/s	1.5 m/s	page 227 - type 1
Actuating force	0.06 Nm	0.06 Nm	0.06 Nm (0.25 Nm \oplus)
Travel diagrams	page 228 - group 5	page 228 - group 5	page 228 - group 5

All values in the drawings are in mm

Accessories See page 207

→ The 2D and 3D files are available at www.pizzato.com



		Other rollers available. See page 102	Porcelain roller	Other rollers available. See page 102	Other rollers available. See page 102				
Contact type									
<ul style="list-style-type: none"> R = snap action L = slow action LO = slow action make before break LS = slow action shifted LV = slow action shifted and spaced LI = slow action independent LA = slow action close ⏏ = electronic PNP 									
Contact block									
2	R	FZ 252-M2	2x(1NO-1NC)	FZ 253-E0M2	2x(1NO-1NC)	FZ 254-M2	2x(1NO-1NC)	FZ 255-M2	2x(1NO-1NC)
5	R	FZ 552-M2	⊕ 1NO+1NC	FZ 553-E0M2V9	⊕ 1NO+1NC	FZ 554-M2	⊕ 1NO+1NC	FZ 555-M2	⊕ ⁽¹⁾ 1NO+1NC
6	L	FZ 652-M2	⊕ 1NO+1NC	FZ 653-E0M2V9	⊕ 1NO+1NC	FZ 654-M2	⊕ 1NO+1NC	FZ 655-M2	⊕ ⁽¹⁾ 1NO+1NC
7	LO	FZ 752-M2	⊕ 1NO+1NC	FZ 753-E0M2V9	⊕ 1NO+1NC	FZ 754-M2	⊕ 1NO+1NC	FZ 755-M2	⊕ ⁽¹⁾ 1NO+1NC
9	L	FZ 952-M2	⊕ 2NC	FZ 953-E0M2V9	⊕ 2NC	FZ 954-M2	⊕ 2NC	FZ 955-M2	⊕ ⁽¹⁾ 2NC
10	L	FZ 1052-M2	2NO	FZ 1053-E0M2V9	2NO	FZ 1054-M2	2NO	FZ 1055-M2	2NO
11	R	FZ 1152-M2	⊕ 2NC	/	/	FZ 1154-M2	⊕ 2NC	FZ 1155-M2	⊕ ⁽¹⁾ 2NC
12	R	FZ 1252-M2	2NO	FZ 1253-E0M2V9	2NO	FZ 1254-M2	2NO	FZ 1255-M2	2NO
13	LV	FZ 1352-M2	⊕ 2NC	FZ 1353-E0M2V9	⊕ 2NC	FZ 1354-M2	⊕ 2NC	FZ 1355-M2	⊕ ⁽¹⁾ 2NC
14	LS	FZ 1452-M2	⊕ 2NC	FZ 1453-E0M2V9	⊕ 2NC	FZ 1454-M2	⊕ 2NC	FZ 1455-M2	⊕ ⁽¹⁾ 2NC
15	LS	FZ 1552-M2	2NO	FZ 1553-E0M2V9	2NO	FZ 1554-M2	2NO	FZ 1555-M2	2NO
16	LI	FZ 1652-M2	⊕ 2NC	/	/	FZ 1654-M2	⊕ 2NC	FZ 1655-M2	⊕ ⁽¹⁾ 2NC
18	LA	FZ 1852-M2	⊕ 1NO+1NC	FZ 1853-E0M2V9	⊕ 1NO+1NC	FZ 1854-M2	⊕ 1NO+1NC	FZ 1855-M2	⊕ ⁽¹⁾ 1NO+1NC
20	L	FZ 2052-M2	⊕ 1NO+2NC	FZ 2053-E0M2V9	⊕ 1NO+2NC	FZ 2054-M2	⊕ 1NO+2NC	FZ 2055-M2	⊕ ⁽¹⁾ 1NO+2NC
21	L	FZ 2152-M2	⊕ 3NC	FZ 2153-E0M2V9	⊕ 3NC	FZ 2154-M2	⊕ 3NC	FZ 2155-M2	⊕ ⁽¹⁾ 3NC
22	L	FZ 2252-M2	⊕ 2NO+1NC	FZ 2253-E0M2V9	⊕ 2NO+1NC	FZ 2254-M2	⊕ 2NO+1NC	FZ 2255-M2	⊕ ⁽¹⁾ 2NO+1NC
E1	⏏	FZ E152-M2	1NO-1NC	FZ E153-E0M2V9	1NO-1NC	FZ E154-M2	1NO-1NC	FZ E155-M2	1NO-1NC
Max. speed		page 227 - type 1		0.5 m/s		page 227 - type 1		page 227 - type 1	
Actuating force		0.06 Nm (0.25 Nm ⊕)		0.03 Nm (0.25 Nm ⊕)		0.06 Nm (0.25 Nm ⊕)		0.06 Nm (0.25 Nm ⊕)	
Travel diagrams		page 228 - group 5		page 228 - group 6		page 228 - group 5		page 228 - group 5	

		Other rollers available. See page 102	Other rollers available. See page 102	Glass fibre rod	Rope switch for signalling				
Contact type									
<ul style="list-style-type: none"> R = snap action L = slow action LO = slow action make before break LS = slow action shifted LV = slow action shifted and spaced LI = slow action independent LA = slow action close ⏏ = electronic PNP 									
Contact block									
2	R	FZ 256-M2	2x(1NO-1NC)	FZ 257-M2	2x(1NO-1NC)	FZ 269-M2	2x(1NO-1NC)	FZ 276-M2	2x(1NO-1NC)
5	R	FZ 556-M2	⊕ 1NO+1NC	FZ 557-M2	⊕ 1NO+1NC	FZ 569-M2	1NO+1NC	FZ 576-M2	1NO+1NC
6	L	FZ 656-M2	⊕ 1NO+1NC	FZ 657-M2	⊕ 1NO+1NC	FZ 669-M2	1NO+1NC	FZ 676-M2	1NO+1NC
7	LO	FZ 756-M2	⊕ 1NO+1NC	FZ 757-M2	⊕ 1NO+1NC	FZ 769-M2	1NO+1NC	FZ 776-M2	1NO+1NC
9	L	FZ 956-M2	⊕ 2NC	FZ 957-M2	⊕ 2NC	FZ 969-M2	2NC	FZ 976-M2	2NO
10	L	FZ 1056-M2	2NO	FZ 1057-M2	2NO	FZ 1069-M2	2NO	FZ 1076-M2	2NC
11	R	FZ 1156-M2	⊕ 2NC	FZ 1157-M2	⊕ 2NC	FZ 1169-M2	2NC	FZ 1176-M2	2NO
12	R	FZ 1256-M2	2NO	FZ 1257-M2	2NO	FZ 1269-M2	2NO	FZ 1276-M2	2NC
13	LV	FZ 1356-M2	⊕ 2NC	FZ 1357-M2	⊕ 2NC	FZ 1369-M2	2NC	FZ 1376-M2	2NO
14	LS	FZ 1456-M2	⊕ 2NC	FZ 1457-M2	⊕ 2NC	FZ 1469-M2	2NC	FZ 1476-M2	2NO
15	LS	FZ 1556-M2	2NO	FZ 1557-M2	2NO	FZ 1569-M2	2NO	FZ 1576-M2	2NC
16	LI	FZ 1656-M2	⊕ 2NC	FZ 1657-M2	⊕ 2NC	FZ 1669-M2	2NC	/	/
18	LA	FZ 1856-M2	⊕ 1NO+1NC	FZ 1857-M2	⊕ 1NO+1NC	FZ 1869-M2	1NO+1NC	FZ 1876-M2	1NO+1NC
20	L	FZ 2056-M2	⊕ 1NO+2NC	FZ 2057-M2	⊕ 1NO+2NC	FZ 2069-M2	1NO+2NC	FZ 2076-M2	2NO+1NC
21	L	FZ 2156-M2	⊕ 3NC	FZ 2157-M2	⊕ 3NC	FZ 2169-M2	3NC	FZ 2176-M2	3NO
22	L	FZ 2256-M2	⊕ 2NO+1NC	FZ 2257-M2	⊕ 2NO+1NC	FZ 2269-M2	2NO+1NC	FZ 2276-M2	1NO+2NC
E1	⏏	FZ E156-M2	1NO-1NC	FZ E157-M2	1NO-1NC	FZ E169-M2	1NO-1NC	/	/
Max. speed		page 227 - type 1		page 227 - type 1		1.5 m/s		0.5 m/s	
Actuating force		0.06 Nm (0.25 Nm ⊕)		0.06 Nm (0.25 Nm ⊕)		0.06 Nm		initial 20 N - final 40 N	
Travel diagrams		page 228 - group 5		page 228 - group 5		page 228 - group 5		page 228 - group 7	

⁽¹⁾ Positive opening only with actuator set to max. See page 102.

All values in the drawings are in mm

Accessories See page 207

➔ The 2D and 3D files are available at www.pizzato.com

FZ series position switches with reset



The majority of switches can be equipped with a reset device (option W3) which enables the simultaneous actuation of actuator and contact block. The device is a module that is mounted between the body and the head of the switch that can be rotated independently from the head. The reset device has the following advantages:

- can be integrated into the majority of standard actuator heads;
- contact blocks with snap action are no more necessary because the tripping movement is executed by the reset device itself;
- can be rotated independently from the head ensuring maximum flexibility during installation;
- can be delivered with two different actuating forces: standard and increased for vibration applications;
- mechanical endurance: 1 million operating cycles.

Contact type
R = snap action
L = slow action

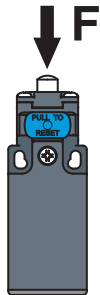
			With stainless steel roller on request	With stainless steel roller on request		
Contact block						
2	R FZ 201-W3M2 2x(1NO-1NC)	FZ 202-W3M2 2x(1NO-1NC)	FZ 205-W3M2 2x(1NO-1NC)	FZ 207-W3M2 2x(1NO-1NC)		
6	L FZ 601-W3M2 1NO+1NC	FZ 602-W3M2 1NO+1NC	FZ 605-W3M2 1NO+1NC	FZ 607-W3M2 1NO+1NC		
9	L FZ 901-W3M2 2NC	FZ 902-W3M2 2NC	FZ 905-W3M2 2NC	FZ 907-W3M2 2NC		
10	L FZ 1001-W3M2 2NO	FZ 1002-W3M2 2NO	FZ 1005-W3M2 2NO	FZ 1007-W3M2 2NO		
20	L FZ 2001-W3M2 1NO+2NC	FZ 2002-W3M2 1NO+2NC	FZ 2005-W3M2 1NO+2NC	FZ 2007-W3M2 1NO+2NC		
21	L FZ 2101-W3M2 3NC	FZ 2102-W3M2 3NC	FZ 2105-W3M2 3NC	FZ 2107-W3M2 3NC		
22	L FZ 2201-W3M2 2NO+1NC	FZ 2202-W3M2 2NO+1NC	FZ 2205-W3M2 2NO+1NC	FZ 2207-W3M2 2NO+1NC		
Max. speed	page 227 - type 4		page 227 - type 3		page 227 - type 3	
Actuating force	4.5 N (25 N ⊕)		4 N (25 N ⊕)		2.5 N (25 N ⊕)	
Travel diagrams	page 229 - group 1		page 229 - group 2		page 229 - group 3	

Contact type
R = snap action
L = slow action

		With Ø 20 mm stainless steel roller on request	Other rollers available. See page 102	Other rollers available. See page 102
Contact block				
2	R FZ 215-W3M2R28 2x(1NO-1NC)	FZ 230-W3M2 2x(1NO-1NC)	FZ 231-W3M2 2x(1NO-1NC)	FZ 251-W3M2 2x(1NO-1NC)
6	L FZ 615-W3M2R28 1NO+1NC	FZ 630-W3M2 1NO+1NC	FZ 631-W3M2 1NO+1NC	FZ 651-W3M2 1NO+1NC
9	L FZ 915-W3M2R28 2NC	FZ 930-W3M2 2NC	FZ 931-W3M2 2NC	FZ 951-W3M2 2NC
10	L FZ 1015-W3M2R28 2NO	FZ 1030-W3M2 2NO	FZ 1031-W3M2 2NO	FZ 1051-W3M2 2NO
20	L FZ 2015-W3M2R28 1NO+2NC	FZ 2030-W3M2 1NO+2NC	FZ 2031-W3M2 1NO+2NC	FZ 2051-W3M2 1NO+2NC
21	L FZ 2115-W3M2R28 3NC	FZ 2130-W3M2 3NC	FZ 2131-W3M2 3NC	FZ 2151-W3M2 3NC
22	L FZ 2215-W3M2R28 2NO+1NC	FZ 2230-W3M2 2NO+1NC	FZ 2231-W3M2 2NO+1NC	FZ 2251-W3M2 2NO+1NC
Max. speed	page 227 - type 2		page 227 - type 1	
Actuating force	4.5 N (25 N ⊕)		0.07 Nm (0.25 Nm ⊕)	
Travel diagrams	page 229 - group 1		page 229 - group 4	

	Other rollers available. See page 102		Other rollers available. See page 102		Other rollers available. See page 102		Other rollers available. See page 102		
Contact type R = snap action L = slow action									
Contact block									
2	R	FZ 252-W3M2	2x(1NO-1NC)	FZ 254-W3M2	2x(1NO-1NC)	FZ 256-W3M2	2x(1NO-1NC)	FZ 257-W3M2	2x(1NO-1NC)
6	L	FZ 652-W3M2	1NO+1NC	FZ 654-W3M2	1NO+1NC	FZ 656-W3M2	1NO+1NC	FZ 657-W3M2	1NO+1NC
9	L	FZ 952-W3M2	2NC	FZ 954-W3M2	2NC	FZ 956-W3M2	2NC	FZ 957-W3M2	2NC
10	L	FZ 1052-W3M2	2NO	FZ 1054-W3M2	2NO	FZ 1056-W3M2	2NO	FZ 1057-W3M2	2NO
20	L	FZ 2052-W3M2	1NO+2NC	FZ 2054-W3M2	1NO+2NC	FZ 2056-W3M2	1NO+2NC	FZ 2057-W3M2	1NO+2NC
21	L	FZ 2152-W3M2	3NC	FZ 2154-W3M2	3NC	FZ 2156-W3M2	3NC	FZ 2157-W3M2	3NC
22	L	FZ 2252-W3M2	2NO+1NC	FZ 2254-W3M2	2NO+1NC	FZ 2256-W3M2	2NO+1NC	FZ 2257-W3M2	2NO+1NC
Max. speed	page 227 - type 1		page 227 - type 1		page 227 - type 1		page 227 - type 1		
Actuating force	0.07 Nm (0.25 Nm \rightarrow)		0.07 Nm (0.25 Nm \rightarrow)		0.07 Nm (0.25 Nm \rightarrow)		0.07 Nm (0.25 Nm \rightarrow)		
Travel diagrams	page 229 - group 4		page 229 - group 4		page 229 - group 4		page 229 - group 4		

Increased actuating force



The switch can be delivered with increased actuating force (option W4). Ideal for vibration applications.

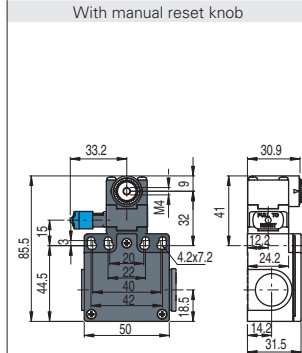
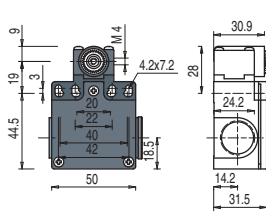
Actuators	Actuating force
01, 14, 15, 16	7 N
02, 05	6 N
07	3.5 N
30 ... 57	0.08 Nm

To order the switch with reset and increased actuating force, replace the -W3 option with -W4 in the order code.

Example: FZ 601-W3M2 \rightarrow FZ 601-W4M2

Position switches with swivelling lever without actuator

- Contact type
- R** = snap action
 - L** = slow action
 - LO** = slow action make before break
 - LS** = slow action shifted
 - LV** = slow action shifted and spaced
 - LI** = slow action independent
 - LA** = slow action close
 - ⏏** = electronic PNP



IMPORTANT

For safety applications: join only switches and actuators marked with symbol ⊕ next to the product code. For more information about safety applications see details on page 223.

Contact block	2	5	6	7	9	10	11	12	13	14	15	16	18	20	21	22	E1
	R	R	L	LO	L	L	R	R	LV	LS	LS	LI	LA	L	L	L	⏏
	FZ 238-M2	FZ 538-M2	FZ 638-M2	FZ 738-M2	FZ 938-M2	FZ 1038-M2	FZ 1138-M2	FZ 1238-M2	FZ 1338-M2	FZ 1438-M2	FZ 1538-M2	FZ 1638-M2	FZ 1838-M2	FZ 2038-M2	FZ 2138-M2	FZ 2238-M2	FZ E138-M2
	2x(1NO-1NC)	1NO+1NC	1NO+1NC	1NO+1NC	2NC	2NO	2NC	2NO	2NC	2NC	2NO	2NC	1NO+1NC	1NO+2NC	3NC	2NO+1NC	1NO-1NC
	FZ 238-W3M2	/	FZ 638-W3M2	/	FZ 938-W3M2	FZ 1038-W3M2	/	/	/	/	/	/	/	FZ 2038-W3M2	FZ 2138-W3M2	FZ 2238-W3M2	/
	2x(1NO-1NC)	/	1NO+1NC	/	2NC	2NO	/	/	/	/	/	/	/	1NO+2NC	3NC	2NO+1NC	/
Actuating force	0.06 Nm (0.25 Nm ⊕)			0.07 Nm (0.25 Nm ⊕)													
Travel diagrams	page 228 - group 5			page 229 - group 4													

Separate actuators

IMPORTANT: These separate actuators can be used only with items of the FR, FM, FX, FZ and FK series.

Technopolymer roller Ø 18 mm	Technopolymer roller Ø 18 mm	Adjustable square rod, 3x3x125 mm	Spring rod with plastic tip	Adjustable round rod Ø 3x125 mm	Technopolymer roller Ø 20 mm	
VF LE30 ⊕	VF LE31 ⊕	VF LE33	VF LE34	VF LE50	VF LE51 ⊕	
Technopolymer roller Ø 20 mm	Porcelain roller	Technopolymer roller Ø 20 mm	Adjustable actuator with technopolymer roller	Adjustable safety actuator with technopolymer roller	Technopolymer roller Ø 20 mm	Adjustable glass fibre rod
VF LE52 ⊕	VF LE53 ⊕ (2)	VF LE54 ⊕	VF LE55 ⊕ (1)	VF LE56 ⊕	VF LE57 ⊕	VF LE69

All values in the drawings are in mm

Accessories See page 207

→ The 2D and 3D files are available at www.pizzato.com



Special separate actuators

IMPORTANT: These separate actuators can be used only with items of the FR, FM, FX, FZ and FK series.

Stainless steel rollers, Ø 20 mm

VF LE31-R24 (4)	VF LE51-R24 (4)	VF LE52-R24 (4)	VF LE54-R24 (4)	VF LE55-R24 (1) (1)	VF LE56-R24 (4)	VF LE57-R24 (4)

Technopolymer rollers, Ø 35 mm

VF LE31-R25 (4) (4)	VF LE51-R25 (4) (4)	VF LE52-R25 (4)	VF LE54-R25 (4) (4)	VF LE55-R25 (1) (1)	VF LE56-R25 (4)	VF LE57-R25 (4)

Rubber rollers, Ø 40 mm

VF LE31-R5 (4) (4)	VF LE51-R5 (4) (4)	VF LE52-R5 (4)	VF LE54-R5 (4) (4)	VF LE55-R5 (1) (1)	VF LE56-R5 (4)	VF LE57-R5 (4) (4)

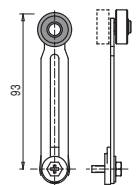
Rubber rollers, Ø 50 mm

VF LE51-R26 (4) (4)	VF LE52-R26 (4) (4)	VF LE54-R26 (4) (4)	VF LE55-R26 (1) (1)	VF LE56-R26 (4)	VF LE57-R26 (4) (4)

Protruding rubber rollers, Ø 50 mm

VF LE55-R27 (1) (1)	VF LE56-R27 (4)

- (1) Actuator VF LE55 can only be used in safety applications if adjusted to its max. length, as shown in the figure to the right. If an adjustable lever is required for safety applications, use the VF LE56 adjustable safety lever.
- (2) The position switch obtained by assembling switch FZ •38-M2 (e.g. FZ 538-M2, FZ 638-M2, ...) with actuator VF LE53 will not present the same travel diagrams and actuating forces as switch FZ •53 E0M2V9 (e.g. FZ 553-E0M2V9, FZ 653-E0M2V9, ...)
- (4) The actuator cannot be rotated to the inside because it will hit the switch head upon actuation.



All values in the drawings are in mm

Accessories See page 207

→ The 2D and 3D files are available at www.pizzato.com