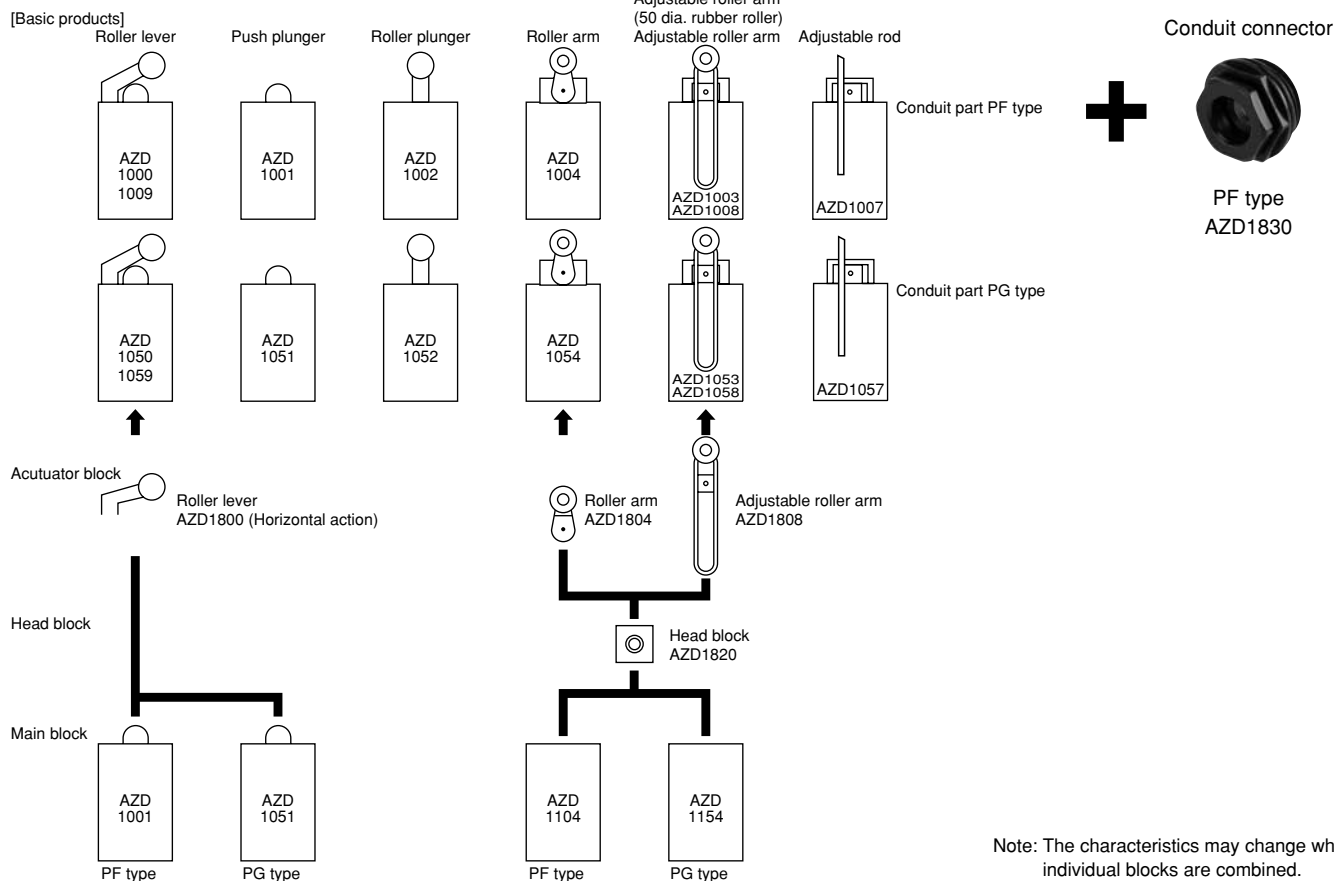


PRODUCT COMBINATION



SPECIFICATIONS

1. Rating

Voltage	Load	Resistive load	Inductive load
		($\cos \phi \approx 1$)	($\cos \phi \approx 0.4$)
AC	125V	6A	6A
	250V	6A	6A
	380V	6A	3A
DC	24V	5A	2.5A
	60V	1.5A	1.5A
	220V	0.3A	0.3A

Note: When DC voltage is applied, the time constant is (τ)= 0ms for resistive load, (τ)= 100ms or less for inductive load.

3. EN60947-5-1 performance

Item	Rating
Rated insulation voltage (Ui)	250VAC
Rated impulse withstand voltage (Uimp)	2.5kV
Switching overvoltage	2.5kV
Rated enclosed thermal current (Ithe)	6A
Conditional short-circuit current	100A
Short-circuit protection device	10A Fuse
Protective construction	IP67 (Note 1)
Pollution degree	2

Note 1: Adjustable roller arm (50 dia. rubber roller) type is IP65.

5. Protective characteristics

Protective construction	DL mini limit switches
IEC	
IP60	○
IP64	○
IP67	○ (Note 1)

Note 1: The value for protective function characteristics is the initially set value. Also, adjustable roller arm (50 dia. rubber roller) type is IP65.

The switches are compatible with
DIN EN50047.

2. Characteristics

Contact arrangement	1 Form A 1 Form B	
Initial contact resistance, max.	25m Ω (By voltage drop of 5 to 6 V DC 1A)	
Contact material	AgCdO	
Initial insulation resistance (At 500V DC)	Min. 100M Ω	
Initial breakdown voltage	1,000Vrms for 1 min Between non-consecutive terminals	
	2,500Vrms for 1 min Between dead metal parts and each terminal	
	2,500Vrms for 1 min Between ground and each terminal	
Shock resistance	Functional	Max. 294 m/s ² (equivalent 30G) (Noe 1)
	Destructive	Max. 980 m/s ² (equivalent 100G)
Vibration resistance	10 to 55Hz, double amplitude of 1.5mm	
Expected life (min. operations)	Mechanical	10 ⁷ (at 120 cpm)
	Electrical	1.5 \times 10 ⁵ (at 20 cpm, 6A 380V AC resistive load)
Ambient temperature	-30 to +80°C -22°F to +176°F (but not in a frozen environment)	
Ambient humidity	Max. 95%R.H. (without dew at 40°C 104°F)	
Max. operating speed	120 cpm	

Note) The ratings, characteristics and operating characteristics are based on the basic model.
Note 1: This value applies when the arm length of the adjustable roller arm (50 dia. rubber roller) is 70 mm or less.

4. Operating characteristics

Characteristics	Actuator					
	O.F. (N {gf}) max.	R.F. (N {gf}) min.	Pretravel (P.T.), max. mm inch	Movement Differential (M.D.), max. mm inch	Overtravel (O.T.), min. mm inch	Operating Position (O.P.), mm inch
Push plunger	6.37 {650}	1.47 {150}	2.079	1.2.047	4.157	18±0.5 .708±.020
Roller plunger	6.37 {650}	1.47 {150}	2.079	1.2.047	4.157	28±1 1.102±.03
Roller arm	4.90 {500}	0.49 {50}	20° to 26°	14°	30°	—
Roller lever	3.92 {400}	0.78 {80}	4.157	1.6.063	5.197	—
Adjustable roller arm (Note)	4.90 {500}	0.49 {50}	20° to 26°	14°	30°	—
Adjustable roller arm (50 dia. rubber roller)	4.17 {425}	0.42 {43}	20° to 26°	14°	30°	—
Adjustable rod (2.6 dia.)	4.90 {500}	0.49 {50}	20° to 26°	14°	30°	—
Roller lever (vertical action)	4.41 {450}	0.88 {90}	4.157	1.7.067	5.197	27±0.8 1.063±.031

Note: The above values of adjustable roller arm shows the values when roller length is set at 26mm same as roller type.
The value of adjustable roller arm (50 dia. rubber roller) type shows the value when roller length is set at 32 mm.
The value of adjustable rod (2.6 dia.) type shows the value when length of rod is set at 26 mm same as the roller arm type.