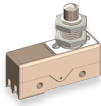


MICROSWITCHES SELECTION GUIDE

PRINT

CLASSIC

SNAP-ACTION SWITCHES			STANDARD				SPECIAL			
										
Approx. body size (mm)			50x30x12	49x21x17	49x23x17	43x18x17	32x19x13	40x19x13	49x10x20	
TYPE			POSITIVE BREAK SEPARATED CIRCUITS	LOW DIFFERENTIAL TRAVEL	SEALED DOUBLE BREAK LOW DT	ROBUST - LOW DIFFERENTIAL TRAVEL	DOUBLE BREAK	HIGH DC RATING	SEALED FLAT RUBBER PACK	
SERIES			PBX-PBXR 8324/8325	MP040 MP50	MP90 MP110 MP21/22	83118 83120	83106 83109 83111/112	83154	83123	
ELECTRICAL	Max. ratings	@ 250 V ~ @400 V ~ @ 24V ~ @ 250 V ~	10 A ** 10 A 0.8 A	15 A 15 A 0.3 A	15 A 10 A 15 A	10 A 10 A 0.3 A	16 A 16 A 0.6 A	16 A 16 A 5 A	10 A 10 A 0.3 A	
	Dual-current version Low current version		1 mA → 10 A				10 mA → 5 A			
	Circuit diagram Contact configuration (for 1 pole changeover/SPDT)		 Form Zb (separated contacts)	 Form C	 Form Za	 Form C	 Form Za	 Form Za	 Form C	
	SPST-NC / SPST-NO versions				✓		✓	✓	✓	
	Multipole version		**				2 → 6 poles (8332)	2 → 6 poles (8332)		
	Bistable version (maintained action)		**	✓	**		Push/Pull	Push/Pull		
	Positive opening operation									
	Electrical disconnection		Full	μ	μ	μ	μ	μ	μ	
	Insulation voltage	Ui	400 V	250 V	250 V ; 400 V	250 V	250 V	250 V	250 V	
	Protection against electric shock (without additional protection)		Class I	Class I	Class I Class II 	Class I	Class I	Class I	Class I Class II** 	
ENVIRONMENT	Degree of protection		IP40 IP65 IP67	IP40	IP67 IP68 (20 m)	IP40	IP40	IP40	IP66 IP67 IP69	
	Operating temperature		-50 °C +85 °C	-40 °C +130 °C	-40 °C +130 °C	-40 °C +125 °C	-40 °C +125 °C	-40 °C +125 °C	-40 °C +85 °C	
	Explosive atmospheres									
	Irradiated environment					 **				
MECHANICAL	Max. Operating Force		4.5 N ; 6.5 N	6 N	6 N ; 12.5 N	0.35 → 2.7 N	0.45 → 7.5 N	4 N	7.5 N	
	Min. Overtravel		3 mm	0.25 mm	0.25 mm	0.2 → 0.8 mm	0.7 mm	0.7 mm	0.25 mm	
	Max. Differential Travel		1.3 mm	0.05 mm	0.05 mm ; 0.10 mm	0.09 mm ; 0.7 mm	0.7 mm	0.9 mm	0.2 mm	
	Mechanical life (cycles)		10 M	50 M		5 M	10 M	10 M	2 M	
	Min. actuating speed		0.1 mm/s			0.01 mm/s	0.01 mm/s	0.01 mm/s	0.03 mm/s	
	Operating device		Plunger	Plunger	Plunger	Plunger	Plunger	Plunger	Plunger	
	Lateral actuation on plunger						Ball (opt)	Ball (opt)		
	Auxiliary levers (flat, bended, roller...)	Hinged Flexible Floater Adjustable	✓ ✓ ✓ ✓	✓ ✓ ✓ ✓	✓ ✓ ✓ ✓	✓ ✓ ✓ ✓	✓ ✓ ✓ ✓	✓ ✓ ✓ ✓	✓ ✓ ✓ ✓	
	Telescopic plunger (option)			✓	✓	✓	See 83513/522	See 83513/522	See 8373	
	Fixing means	Plain holes		Ø 4.1		Ø 4.5	Ø 4.2	Ø 2.6 M3	Ø 2.6	Ø 3.2
		Tapped holes		M3						
		Pins								
		Threaded barrel			M12 x 1	M12 x 1	M12 x 0.75	(83537**)	(83537**)	See 8373
	Connections	Others						Snap-in		
		Solder			✓		✓		✓	**
		Quick-connect		✓		✓	✓	✓	✓	
		Printed board								
Screw			✓	✓	✓	✓	✓	✓		
Wires			**		✓					
Cable			**		✓				✓	
ENEC/CE/IECEx		CE			CE	CE	CE	CE		
Approvals	UL									
	CCC									
	EAC									

* Pending ** Consult us
The features presented in this selection guide represent the extent of performance of each Microswitch Series. Not all combinations of characteristics are feasible at an individual product.
Please refer to relevant product sheet or consult our customer service. For more information see also the «Basic technical concepts».

Note: data contained in product sheets dated 2016 and before may differ from the features shown in this selection guide. Update is in progress. Please contact us for confirmation.



MINIATURE

STANDARD					SPECIAL				
28x16x10	28x16x10	31x23x10	31x25x10	33x16x10	28x16x10	28x16x10	29x16x10	24x31x9	30x18x12
STANDARD	ESSENTIAL	SEALED	SEALED - LOW DT	ESSENTIAL SEALED	HEAVY DUTY	POSITIVE BREAK	HIGH DC RATING	DOUBLE BREAK SEALED	HIGH-ACCURACY ROTARY LEVER
V3 83161	V3D 8326	V3S 83169	MP310 MP320	V3DS 8329	83160	831607 832607	831606 SP3697	83139	83137
16 A 10 A 16 A 0.8 A	25 A 16 A 0.2 A	8 A 8 A 0.3 A	6 A 6 A 0.5 A	10 A 10 A 0.5 A	16 A 10 A 16 A 0.8 A	6 A 6 A 0.5 A	16 A 16 A 5 A	6 A 6 A 0.5 A	6 A 6 A 0.4 A
1 mA → 5 A	1 → 20 mA	1 mA → 5 A		1 mA → 3 A	**	10 mA → 6 A		1 mA → 5 A	1 → 100 mA
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
								2 poles	
μ or Full 400 V	μ 250 V	μ 250 V Class I Class II**	μ 250 V Class I Class II	μ 250 V	μ or Full 400 V	μ 250 V	Full 250 V	μ 250 V Class I Class II	μ 250 V
Class I	Class I	Class I Class II**	Class I Class II	Class I	Class I	Class I	Class I	Class I Class II	Class I
IP40	IP40	IP67 IP69	IP67	IP67	IP40	IP40	IP40	IP66 IP67	IP40
-60 °C +150 °C	-50 °C +200 °C	-40 °C +105 °C	-40 °C +150 °C	-40 °C +85 °C	-40 °C +150 °C	-40 °C +125 °C	-40 °C +125 °C	-40 °C +105 °C	-20 °C +125 °C
								II2G IIICGb	
0.15 → 5 N	0.25 → 4 N	4.5 N	3.5 N	0.5 → 4.5N	1 → 5 N	4 N	5 N	3 N ; 4.5 N	1.2 → 2 mN.m
1.2 mm	1.1 mm	1 mm	0.2 mm	1 mm	1.3 mm	1.3 mm	1 mm	0.25 mm	12°
0.35 mm ; 0.8 mm	0.4 mm	0.07 mm ; 0.35 mm	0.02 mm** ; 0.05 mm	0.5 mm	0.3 mm ; 0.7 mm	0.3 mm	0.7 mm	0.45 mm	14°
50 M	1 M	5 M	10 M	1 M	10 M	10 M	1 M	10 M	10 M
0.001 mm/s	0.1 → 3mm/s	0.001 mm/s	0.001 mm/s	0.1 → 3mm/s	0.1 mm/s	0.1 mm/s	0.1 mm/s	0.01 mm/s	1°/s
Plunger	Plunger	Plunger	Plunger	Plunger	Plunger	Plunger	Plunger	Plunger	Inox wire
✓	✓	**		**	✓	✓	✓		
✓	✓	✓	✓	✓	✓	✓	✓	✓	
✓	✓	✓		✓	✓	✓	✓		
**		**						**	
✓	**	(SP4978/4988)	✓	✓	✓	✓	✓	(SP4257)	
Ø 3.1	Ø 3.1	Ø 3.1	Ø 3.1 ; Ø 3.5	Ø 3.1	Ø 3.2	Ø 3.2	Ø 3.2	Ø 2.2 ; Ø 3.1	Ø 3.2
M10 ; M12	**	See 83581	M10 x 1		M10 ; M12	M10 x 0.75	M10 ; M12	M10 x 0.75	
✓ ✓ ✓	✓ ✓ ✓			✓	✓ ✓ ✓	✓ ✓ ✓	✓ ✓ ✓		✓ ✓ ✓
			✓ ✓	✓				✓ ✓	✓
		CE				CE	CE	CE	CE
							**		
EAC	EAC	EAC	EAC	EAC	EAC	EAC	EAC	EAC	EAC

PRINT

SUBMINIATURE

STANDARD				SPECIAL	
20x10x6	20x10x6	20x10x6	20x10x6	20x10x6	Ø 11x15
STANDARD	ESSENTIAL	SEALED	SEALED LOW DT	DOUBLE BREAK	HERMETIC INOX HOUSING
V4 83170	V4D 8327	V4S 8318	MP400 MP500	83132 83133 83134	83151 83560
12 A	12 A	10 A	5 A	6 A	5 A
10 A 0.3 A	10 A 0.2 A	10 A 0.3 A	5 A 0.3 A	6 A 0.5 A	7 A 0.3 A
1 mA → 5 A	1 → 20 mA	1 mA → 6 A		1 mA → 5 A	1 mA → 1 A
✓	✓	✓	✓	✓	✓
				2 ; 3 poles (8331**)	2 poles
				Push/Pull	
μ 250 V	μ 250 V	μ 250 V Class I Class II**	μ 250 V Class I Class II**	μ 250 V	μ 250 V
Class I	Class I	Class I Class II**	Class I Class II**	Class I	Class I
IP40	IP40	IP67 IP69	IP67	IP40	Hermetic Qk test 10-3 Pa.cm³/s -55 °C +250 °C
-40 °C +150 °C	-25 °C +150 °C	-40 °C +125 °C	-40 °C +105 °C	-40 °C +150 °C	-55 °C +250 °C
0.6 → 2.2 N	1.5 N	2.5 N	1.2 N ; 2.5 N	1.6 N ; 2.6 N	5 → 47 N
0.5 mm	0.5 mm	0.6 mm	0.6 mm	0.27 mm	0.08 mm
0.08 mm 0.15 mm	0.15 mm	0.10 mm ; 0.15 mm	0.02 mm** ; 0.05 mm	0.45 mm	0.05 mm
30 M	0.1 M	2 M	2 M	10 M	0.2 M
0.001 mm/s	0.1 mm/s	0.01 mm/s	0.01 mm/s	0.01 mm/s	0.01 mm/s
Plunger	Plunger	Plunger	Plunger	Plunger	Plunger
✓	✓	✓		Ball (opt)	
✓	✓	✓	✓		
✓	✓	✓		✓	✓
✓		✓			
✓	✓	✓		✓	
Ø 2.2	Ø 2.2 ; 2.35	Ø 2.2	Ø 2.2	See 8354 Ø 2.1	See 8377 Ø 3.2
Ø 2.6 M6 x 0.75	Ø 2.6 M6 x 0.75	Ø 2.6		See 8354	See 8377
		Snap-in**			
✓ ✓ ✓ ✓	✓ ✓ ✓	✓ ✓ ✓	✓ ✓ ✓	✓ ✓ ✓	✓ ✓ ✓
				CE	CE
EAC	EAC	EAC	EAC	EAC	EAC

Warning:

The product information contained in this catalogue is given purely as information and does not constitute a representation, warranty or any form of contractual commitment. Crouzet and its subsidiaries reserve the right to modify their products without notice. It is imperative that we should be consulted over any particular use or application of our products and it is the responsibility of the buyer to establish, particularly through all the appropriate tests, that the product is suitable for the use or application. Under no circumstances will our warranty apply, nor shall we be held responsible for any application (such as any modification, addition, deletion, use in conjunction with other electrical or electronic components, circuits or assemblies, or any other unsuitable material or substance) which has not been expressly agreed by us prior to the sale of our products.

SUB-SUBMINIATURE

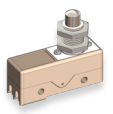
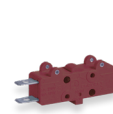
13x10x5	15x8x5	13x10x5	Ø 8x8
STANDARD	SEALED	HIGH ACCURACY	CYLINDRICAL ADJUSTABLE
V5D 83194	V5S 8320	83141	83228 83229
5 A	4 A	5 A	5 A
5 A 0.15 A	4 A 0.2 A	5 A 0.15 A	5 A 0.2 A
1 mA → 5 A	1 mA → 4 A	1 mA → 1 A	1 mA → 5 A
✓	✓		
μ 250 V	μ 250 V	μ 250 V	μ 250 V
Class I	Class I	Class I	Class I
IP40	IP67 IP69	IP40	IP40
-40 °C +110 °C	-40 °C +90 °C	-55 °C +150 °C	-55 °C +140 °C
1.4 N	1.5 N	2 N	1.7 N
0.25 mm	2 mm	0.1 mm	0.15 ; 1.5 mm
0.13 mm	0.06 mm ; 0.10 mm	0.06 mm	0.12 mm ; 0.19 mm
10 M	1 M	2 M	2 M
0.1 mm/s	0.001 mm/s	0.01 mm/s	0.01 mm/s
Plunger	Plunger	Plunger	Plunger
✓	✓		Ball (opt)
	✓	✓	
		✓	
		✓	
Ø 2.25	Ø 3 (opt)	Ø 2.1	
			M5 x 0.5; M8 x 0.7 Flush mount
✓ ** **	✓ ✓	✓ ✓	✓ ✓
	✓		
	CE	CE	CE
		**	
		**	
EAC	EAC	EAC	EAC

MICROSWITCHES SELECTION GUIDE

CLASSIC

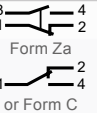
SNAP-ACTION SWITCHES

Approx. body size (mm)

			STANDARD				SPECIAL	
								
			50x30x12	49x21x17	49x23x17	43x18x17	32x19x13	40x19x13
			49x10x20					
TYPE			POSITIVE BREAK SEPARATED CIRCUITS	LOW DIFFERENTIAL TRAVEL	SEALED DOUBLE BREAK LOW DT	ROBUST - LOW DIFFERENTIAL TRAVEL	DOUBLE BREAK	HIGH DC RATING
SERIES			PBX-PBXR 8324/8325	MP040 MP50	MP90 MP110 MP21/22	83118 83120	83106 83109 83111/112	83154
ELECTRICAL	Max. ratings	@ 250 V ~ @ 400 V ~ @ 24V ~ @ 250 V ~	10 A ** 10 A 0.8 A	15 A 15 A 0.3 A	15 A 10 A 15 A	10 A 10 A 0.3 A	16 A 16 A 0.6 A	16 A 16 A 5 A
	Dual-current version Low current version		1 mA → 10 A				10 mA → 5 A	
	Circuit diagram Contact configuration (for 1 pole changeover/SPDT)		 Form Zb (separated contacts)	 Form C	 Form Za  or Form C	 Form C	 Form Za	 Form Za
	SPST-NC / SPST-NO versions				✓		✓	✓
	Multipole version		**				2 → 6 poles (8332)	2 → 6 poles (8332)
	Bistable version (maintained action)		**	✓	**		Push/Pull	Push/Pull
	Positive opening operation							
	Electrical disconnection		Full	μ	μ	μ	μ	μ
	Insulation voltage	Ui	400 V	250 V	250 V ; 400 V	250 V	250 V	250 V
	Protection against electric shock (without additional protection)		Class I	Class I	Class I Class II 	Class I	Class I	Class I Class II** 
ENVIRONMENT	Degree of protection		IP40 IP65 IP67	IP40	IP67 IP68 (20 m)	IP40	IP40	IP40
	Operating temperature		-50 °C +85 °C	-40 °C +130 °C	-40 °C +130 °C	-40 °C +125 °C	-40 °C +125 °C	-40 °C +125 °C
	Explosive atmospheres							
	Irradiated environment							
MECHANICAL	Max. Operating Force		4.5 N ; 6.5 N	6 N	6 N ; 12.5 N	0.35 → 2.7 N	0.45 → 7.5 N	4 N
	Min. Overtravel		3 mm	0.25 mm	0.25 mm	0.2 → 0.8 mm	0.7 mm	0.7 mm
	Max. Differential Travel		1.3 mm	0.05 mm	0.05 mm ; 0.10 mm	0.09 mm ; 0.7 mm	0.7 mm	0.9 mm
	Mechanical life (cycles)		10 M	50 M		5 M	10 M	10 M
	Min. actuating speed		0.1 mm/s			0.01 mm/s	0.01 mm/s	0.01 mm/s
	Operating device		Plunger	Plunger	Plunger	Plunger	Plunger	Plunger
	Lateral actuation on plunger						Ball (opt)	Ball (opt)
	Auxiliary levers (flat, bended, roller...)	Hinged Flexible Floater Adjustable	✓ ✓ ✓ ✓	✓ ✓ ✓ ✓	✓ ✓ ✓ ✓	✓ ✓ ✓ ✓	✓ ✓ ✓	✓ ✓ ✓
	Telescopic plunger (option)			✓	✓	✓	See 83513/522	See 83513/522
	Fixing means	Plain holes	Ø 4.1	Ø 3.6	Ø 4.5	Ø 4.2	Ø 2.6	Ø 3.2
		Tapped holes	M3				M3	
		Pins						
		Threaded barrel		M12 x 1	M12 x 1	M12 x 0.75	(83537**)	(83537**)
	Connections	Others					Snap-in	
		Solder		✓		✓	✓	✓
		Quick-connect	✓		✓	✓	✓	✓
		Printed board						
		Screw	✓	✓	✓	✓	✓	✓
		Wires	**		✓			
		Cable	**		✓			✓
	Approvals	ENEC/CE/IECEx	CE			CE	CE	CE
		UL						
		CCC						
		EAC						

MICROSWITCHES SELECTION GUIDE

MINIATURE

STANDARD					SPECIAL				
									
28x16x10	28x16x10	31x23x10	31x25x10	33x16x10	28x16x10	28x16x10	29x16x10	24x31x9	30x18x12
STANDARD	ESSENTIAL	SEALED	SEALED - LOW DT	ESSENTIAL SEALED	HEAVY DUTY	POSITIVE BREAK	HIGH DC RATING	DOUBLE BREAK SEALED	HIGH-ACCURACY ROTARY LEVER
V3 83161	V3D 8326	V3S 83169	MP310 MP320	V3DS 8329	83160	831607 832607	831606 SP3697	83139	83137
16 A 10 A 16 A 0.8 A	25 A 16 A 0.2 A	8 A 8 A 0.3 A	6 A 6 A 0.5 A	10 A 10 A 0.5 A	16 A 10 A 16 A 0.8 A	6 A 6 A 0.5 A	16 A 16 A 5 A	6 A 6 A 0.5 A	6 A 6 A 0.4 A
1 mA → 5 A	1 → 20 mA	1 mA → 5 A		1 mA → 3 A	**	10 mA → 6 A		1 mA → 5 A	1 → 100 mA
									
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
								2 poles	
									
μ or Full	μ	μ	μ	μ	μ or Full	μ	Full	μ	μ
400 V	250 V	250 V	250 V	250 V	400 V	250 V	250 V	250 V	250 V
Class I	Class I	Class I Class II** 	Class I Class II 	Class I	Class I	Class I	Class I	Class I Class II 	Class I
IP40	IP40	IP67 IP69	IP67	IP67	IP40	IP40	IP40	IP66 IP67	IP40
-60 °C +150 °C	-50 °C +200 °C	-40 °C +105 °C	-40 °C +150 °C	-40 °C +85 °C	-40 °C +150 °C	-40 °C +125 °C	-40 °C +125 °C	-40 °C +105 °C	-20 °C +125 °C
								II2G  IIICGb	
									
0.15 → 5 N 1.2 mm	0.25 → 4 N 1.1 mm	4.5 N 1 mm	3.5 N 0.2 mm	0.5 → 4.5N 1 mm	1 → 5 N 1.3 mm	4 N 1.3 mm	5 N 1 mm	3 N ; 4.5 N 0.25 mm	1.2 → 2 mN.m 12°
0.35 mm ; 0.8 mm	0.4 mm	0.07 mm ; 0.35 mm	0.02 mm** ; 0.05 mm	0.5 mm	0.3 mm ; 0.7 mm	0.3 mm	0.7 mm	0.45 mm	14°
50 M	1 M	5 M	10 M	1 M	10 M	10 M	1 M	10 M	10 M
0.001 mm/s	0.1 → 3mm/s	0.001 mm/s		0.1 → 3mm/s	0.1 mm/s	0.1 mm/s	0.1 mm/s	0.01 mm/s	1°/s
Plunger	Plunger	Plunger	Plunger	Plunger	Plunger	Plunger	Plunger	Plunger	Inox wire
✓	✓	**		**	✓	✓	✓		
✓	✓	✓	✓	✓	✓	✓	✓	✓	
✓	✓	✓	✓	✓	✓	✓	✓	✓	
**		**						**	
✓	**	(SP4978/4988)	✓		✓		✓	(SP4257)	
Ø 3.1	Ø 3.1	Ø 3.1	Ø 3.1 ; Ø 3.5	Ø 3.1	Ø 3.2	Ø 3.2	Ø 3.2	Ø 2.2 ; Ø 3.1	Ø 3.2
M10 ; M12	**	See 83581	M10 x 1		M10 ; M12	M10 x 0.75	M10 ; M12	M10 x 0.75	
✓	✓				✓	✓	✓		✓
✓	✓			✓	✓	✓	✓		✓
✓	✓				✓	✓	✓		✓
✓	✓				✓	✓	✓		✓
		✓	✓	✓				✓	
		✓	✓	✓				✓	
									
							**		
									
EAC	EAC	EAC		EAC	EAC	EAC	EAC	EAC	EAC

ations of characteristics are feasible at an individual product.
cepts».

ase contact us for confirmation.

MICROSWITCHES SELECTION GUIDE

07/2023

SUBMINIATURE

SUB-SUBMINIATURE

STANDARD				SPECIAL	
					
20x10x6	20x10x6	20x10x6	20x10x6	20x10x6	Ø 11x15
STANDARD	ESSENTIAL	SEALED	SEALED LOW DT	DOUBLE BREAK	HERMETIC INOX HOUSING
V4 83170	V4D 8327	V4S 8318	MP400 MP500	83132 83133 83134	83151 83560
12 A	12 A	10 A	5 A	6 A	5 A
10 A	10 A	10 A	5 A	6 A	7 A
0.3 A	0.2 A	0.3 A	0.3 A	0.5 A	0.3 A
1 mA → 5 A	1 → 20 mA	1 mA → 6 A		1 mA → 5 A	1 mA → 1 A
					
Form C	Form C	Form C	Form C	Form Za	Form C
✓	✓	✓	✓	✓	✓
				2 ; 3 poles (8331**)	2 poles
				Push/Pull	
μ	μ	μ	μ	μ	μ
250 V	250 V	250 V	250 V	250 V	250 V
Class I	Class I	Class I Class II**	Class I Class II**	Class I	Class I
IP40	IP40	IP67 IP69	IP67	IP40	Hermetic Qk test 10-3 Pa.cm ³ /s
-40 °C +150 °C	-25 °C +150 °C	-40 °C +125 °C	-40 °C +105 °C	-40 °C +150 °C	-55 °C +250 °C
					Ex**
0.6 → 2.2 N	1.5 N	2.5 N	1.2 N ; 2.5 N	1.6 N ; 2.6 N	5 → 47 N
0.5 mm	0.5 mm	0.6 mm	0.6 mm	0.27 mm	0.08 mm
0.08 mm 0.15 mm	0.15 mm	0.10 mm ; 0.15 mm	0.02 mm** ; 0.05 mm	0.45 mm	0.05 mm
30 M	0.1 M	2 M	2 M	10 M	0.2 M
0.001 mm/s	0.1 mm/s	0.01 mm/s		0.01 mm/s	0.01 mm/s
Plunger	Plunger	Plunger	Plunger	Plunger	Plunger
✓	✓	✓	✓	Ball (opt)	
✓	✓	✓	✓	✓	✓
✓	✓	✓		✓	
✓	✓			See 8354	See 8377
Ø 2.2	Ø 2.2 ; 2.35	Ø 2.2	Ø 2.2	Ø 2.1	Ø 3.2
Ø 2.6 M6 x 0.75	Ø 2.6 M6 x 0.75	Ø 2.6		See 8354	See 8377
		Snap-in**			
✓	✓	✓	✓	✓	✓
✓	✓	✓	✓	✓	✓
✓	✓	✓	✓	✓	✓
**					
		✓	✓		✓
		✓	✓		
					
					
					

SUB-SUBMINIATURE			
			
13x10x5	15x8x5	13x10x5	Ø 8x8
STANDARD	SEALED	HIGH ACCURACY	CYLINDRIC ADJUSTABLE
V5D 83194	V5S 8320	83141	83228 83229
5 A	4 A	5 A	5 A
5 A	4 A	5 A	5 A
0.15 A	0.2 A	0.15 A	0.2 A
1 mA → 5 A	1 mA → 4 A	1 mA → 1 A	1 mA → 5 A
			
Form C	Form C	Form C	Form C
✓	✓		
μ	μ	μ	μ
250 V	250 V	250 V	250 V
Class I	Class I	Class I	Class I
IP40	IP67 IP69	IP40	IP40
-40 °C +110 °C	-40 °C +90 °C	-55 °C +150 °C	-55 °C +140 °C
1.4 N	1.5 N	2 N	1.7 N
0.25 mm	2 mm	0.1 mm	0.15 ; 1.5 mm
0.13 mm	0.06 mm ; 0.10 mm	0.06 mm	0.12 mm ; 0.19 mm
10 M	1 M	2 M	2 M
0.1 mm/s	0.001 mm/s	0.01 mm/s	0.01 mm/s
Plunger	Plunger	Plunger	Plunger
	✓	✓	Ball (opt)
✓	✓	✓	
	✓	✓	
		✓	✓
Ø 2.25	Ø 3 (opt)	Ø 2.1	
	Ø 2.2		M5 x 0.5; M8 x 0.7 Flush mount
✓	✓	✓	✓
**	✓		
**	✓		
	✓		
			
		**	
		**	

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