

WOYR2.E58109 **Switches, Special Use - Component**

Switches, Special Use - Component

Guide Information

OTAX CO LTD E58109

1215 NIPPA-CHO KOHHOKU-KU

Cat. No.	Amps	\mathbf{V}	Frequency	HP
A, /fb/ followed by two letters, f/b	20	125-250	60	
0 thru 3, /fb/ followed by 0 thru 5	15	125-250	60	_
or 60 to 99	10	125/250	60	_
B, /fb/ followed by two letters, f/b	10	125-250	60	
0 or 6 or 1 or 2 or 3,	6	125-250	60	_
f/b 0, 1 or 3 or 60-99	3	125-250	60	
	1	125-250	60	_
E, /fb/ followed by letters and numbers	20	125-250	60	_
F, ww/o suffix letters	6	125-250	60	_
and numbers				
C, /fb/ followed by T or L or S, f/b	6	125-250	60	_
A, D, K or N, /fb/ followed by 0 or 1,	3	125-250	60	
f/b 1 or 3, or 5 thru 9, or 50 thru 99	6/3	125/250	60	_
Z, /fb/ followed by L, P or T, /fb/ followed by A,	6	125-250	60	_
K, D or N, /fb/ followed by 0 or 8 or	15/8	125/250	60	_
9, ww/o 01 thru 99	10/6	125/250	60	_
A4LN11	20	125-250	60	_
AV, /fb/ followed by T or L, S, P, B,	20	125-250	60	_
R, E, /fb/ followed by A thru H or K				
thru N or P, R,				
S, T, /fb/ followed by 1, /fb/ followed by 4 or 5				

or 60 thru 99				
AV, /fb/ followed by T or L,	10	125-250	60	
S, P, B, R, E,	15	125-250	60	_
f/b A thru H or K				
thru N or P, R,				
S, T, /fb/ followed by 2 or 3,				
f/b 4 or 5 or				
60 thru 99				
ZGM54	8/4	125/250	60	
V, /fb/ followed by L, /fb/ followed by A,	6	125-250	60	
D, K or N, f/b	3	125-250	60	
0 thru 5, /fb/ followed by 1,	10	125-250	60	
3 or 4, ww/o				
01 thru 99				
or L, A, B or C,				
ww/o 1, 2 or 3 or 01-99				
ER, ww/o C, f/b	3	125-250	60	_
letters and numbers	15	125-250	60	
	6	125-250	60	_
	20	125-250	60	
EV, /fb/ followed by 1 thru 4, f/b	10	125-250	60	_
2 thru 8, /fb/ followed by 01 to 99				
LL, /fb/ followed by A, D, K or N, f/b	10	125-250	60	
1 or 2, /fb/ followed by 5, /fb/ followed by L, F,		(f/b F, C, A, S)		
C, A or S, /fb/ followed by 1, 2	10	125 (f/b 1)	60	
or 3 or 01 to 99	10	250 (f/b 2)	60	
LL, /fb/ followed by A, D, K or N,	16	125-250	60	_
f/b 3 or 4, /fb/ followed by 5, /fb/ followed by L,		(f/b F, C, A, S)		
F, C, A or S, /fb/ followed by 1, 2	16	125(f/b 3)	60	
or 3 or 01 to 99	16	250(f/b 4)	60	
VLX, VTX, /fb/ followed by 1, 2, or 3, /fb/ followed by 1	6, 8, 10	125-250	60	_
VPK, /fb/ followed by 0 or 1,	6	125-250	60	
f/b 1, 3 or 6				
VPA, /fb/ followed by 0 or 1,	6	125-250	60	
f/b 1, 3 or 6				

G, w/wo E /fb/ followed by 1, 2	5	125	60	_
f/b 01, 03, 05,	3	250	60	
07, 08, 11, 13,				
15 w/suffix				

Model G and GE Series with 250V rating have been tested with full potential to ground.

Marking: Company name or trademark "OTAX", electrical rating and Recognition Mark on switch or smallest container. If Marked on the switch, the catalog number may be provided on the smallest unit container.

See General Information Preceding These Recognitions

For use only in equipment where the acceptability of the combination is determined by Underwriters Laboratories Inc.

Cat. No.	Temp C	POL/THR	Per Pole	Endurance	SPCOA
A, f/b two letters, f/b	55	1 or 2/1 or 2		6K	SeeNote 3
0 thru 3, f/b 0 thru 5					
or 60 to 99					
B, f/b two letters, f/b	55	1 or 2/1 or 2		6K	SeeNote 3
0 or 6 or 1 or 2 or 3					
f/b 0, 1 or 3 or 60-99					
E, f/b letters and numbers	55	M/M	PP	6K	_
F, ww/o suffix letters	65	1 or 2/1	PP	6K	
and numbers		or 2			

Note 3: Spacings between screw terminals and any flat mounting surface should be evaluated for compliance with the end-use product standard.

Cat. No.	Temp C	POL/THR	Per Pole	Endurance	SPCOA
C, f/b T or L or S, f/b	55	1 or 2/1	_	6K	See Notes
A, D, K or N, f/b 0 or 1,					1, 2
f/b 1 or 3, or 5 thru 9, or 50 thru 99					
Z, f/b L, P or T, f/b A,	55	1 or 2/1 or 2		6K	
K, D or N, f/b 0 or 8 or					
9, ww/o 01 thru 99					
A4LN11	55	4/2	_	6K	_
AV, f/b T or L, S, P, B,	65	1 or 2/	_	6K	See Notes
		1 or 2			1, 3
R, E, f/b A thru H or K	65	1 or 2/	_	6K	1, 3

or K thru N or P, R,	1 or 2
S, T, f/b 1, f/b 4 or 5	
or 60 thru 99	

Note 1: Terminations other than solder connections should be evaluated for compliance with the end-use product standard.

Note 2: The suitability of dust cover material should be evaluated for compliance with the end-use product standard.

Note 3: Spacings between screw terminals and any flat mounting surface should be evaluated for compliance with the end-use product standard.

Cat. No.	Temp C	POL/THR	Per Pole	Endurance	SPCOA
AV, f/b T or L,	65	1 or 2/	_	6K	1,3
S, P, B, R, E,		1 or 2			
f/b A thru H or K	65	1 or 2/	_	6K	1,3
thru N or P, R,		1 or 2			
S, T, f/b 2 or 3,	<u>'</u>				
f/b 4 or 5 or					
60 thru 99					
ZGM54	55	2/1	PP	6K	6(16 or 18 AWG)
V, f/b L, f/b A,	65	1 or 2/1 or 2	_	6K	See Notes
D, K or N, f/b	65	1 or 2/1 or 2	_	6K	1, 3
0 thru 5, f/b 1,	65	1 or 2/1 or 2	PP	6K	See Notes
3 or 4, ww/o					1, 3
01 thru 99				·	
or L, A, B or C,					
ww/o 1, 2 or 3 or 01-99					

Note 1: Terminations other than solder connections should be evaluated for compliance with the end-use product standard.

Note 3: The switches have been investigated for condition of opposite polarity between adjacent circuits.

Cat. No.	Temp C	POL/THR	Per Pole	Endurance	SPCOA
ER, ww/o C, f/b	65	M/1	_	6K	See Notes1,3,4
letters or numbers	65	M/1	_	6K	See Notes
					1, 3, 4
	65	M/1	_	6K	See Notes 1, 3, 4
	65	M/1	_	6K	See Notes 1, 3, 4
EV, f/b 1 thru 4, f/b	55	M/M	_	6K	See Notes 1, 4

2 thru 8, f/b 01 to 99					
LL, f/b A, D, K or N, f/b	55	1 or 2/1 or 2	PP	6K	See
1 or 2, f/b 5, f/b L, F,					Notes 1, 2
C, A or S, f/b 1, 2					
or 3 or 01 to 99					
LL, f/b A, D, K or N,	55	1 or 2/1 or 2	PP	6K	SeeNote 2
f/b 3 or 4,f/b 5, f/b L,					
F, C, A or S, f/b 1, 2					
or 3 or 01 to 99					
VLX, VTX, f/b 1, 2 or 3,					
f/b 1	65	2/1	PP	6K	See Note3

Note 1: Terminations other than solder connections should be evaluated for compliance with the end-use product standard.

Note 2: The suitability of dust cover material should be evaluated for compliance with the end-use product standard.

Note 3: The switches have been investigated for condition of opposite polarity between adjacent circuits.

Note 4: The suitability of the actuator button material as an enclosure has not been investigated.

Cat. No.	Temp C	POL/THR	Per Pole	Endurance	SPCOA
VPK, f/b 0 or 1,	55	2/2	PP	6K	_
f/b 1, 3 or 6					
f/b 1, 3 or 6					
VPA, f/b 0 or 1,	55	1/2	PP	6K	_
f/b 1, 3 or 6					
G, w/wo E f/b 1, 2	130 (65 for	1 or 2/2	_	6K	See
f/b 01, 03, 05,	GE Series)				Note
07, 08, 11, 13,					2
15 w/suffix					

Note 2: The investigation of the switches provided bezels can incorporate a LED was limited only to the physical aspects of the bezel. The suitability of the switch when used in conjunction with a LED should be evaluated in the end-use application.



WOYR2.GuideInfo Switches, Special Use - Component

[Switches] (Snap Switches) Switches, Special Use - Component

Guide Information

The devices covered under this category are incomplete in certain constructional features or restricted in performance capabilities and are intended for use as components of complete equipment submitted for investigation rather than for direct separate installation in the field. THE FINAL ACCEPTANCE OF THE COMPONENT IS DEPENDENT UPON ITS INSTALLATION AND USE IN COMPLETE EQUIPMENT SUBMITTED TO UNDERWRITERS LABORATORIES INC.

This category covers switches for use in devices or appliances.

The basic standard used to investigate products in this category is UL 1054, "Special Use Switches".

Unless specified otherwise in the individual Recognitions, consideration is to be given to the following conditions of acceptability when these components are employed in end-use products.

- 1. The switch terminals have been investigated for use only with copper wire or copper alloy quick-connect terminals.
- 2. Switches employing standard size quick-connect tabs should be mated with the appropriate standard size quick-connect connector. The tab is provided with a detent. The connector shall be properly matched to the tab.
- 3. The spacing between any connections when installed on the switch terminals and the adjacent mounting surface are to be judged using the spacing requirements contained in the end-product standard.
- 4. For switches employing integral leads, the temperature rating of the leads is 60 C, unless the leads are surface-marked with higher rating.
- 5. The switch has been subjected to a min of 6000 cycles endurance test.

Additional Conditions of Acceptability may be included in the individual Recognition Reports.

The following abbreviations are used to identify terms used in the catalog number and the ratings of the switches.

Abbreviations	Term
f/b	followed by
ww/o	with or without
Res	Resistive load.
	98-100 % power factor
Т	Alternating Current and

Direct Current	
Tungsten-Filament Lamp	
Alternating Current	L
Tungsten-Filament Lamp	

Marking - Switches Recognized under the Component Program are identified by markings, consisting of the manufacturer's identification and catalog, model or other product designation and the Recognized Component Mark

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