

G *SWITCHES*

G-1/3	Limiting Switch
G-4/5	Micro Switch
G-6	Toggle Switch
G-7	Cam Starter
G-8	Pedal Switch
G-9	CA10 Universal Changeover Switch
G-10	EP Universal Changeover Switch
G-11	Universal Changeover Switch

Limiting Switch

Application

Limiting switches are ideal electrical control switches in mechanical and other industries. They have features of complete specifications and varieties of types, compact structure, nice appearance, excellent performance, flexible and reliable action, easy installation, operation, maintenance and adjustment.

The switches are applicable to AC control circuits of 40 to 60Hz, with a voltage up to 500V or DC control circuits with a voltage up to 600V, and a current up to 10A to convert a mechanical signal into an electrical signal for the purpose of controlling mechanical movement or performing sequential control.



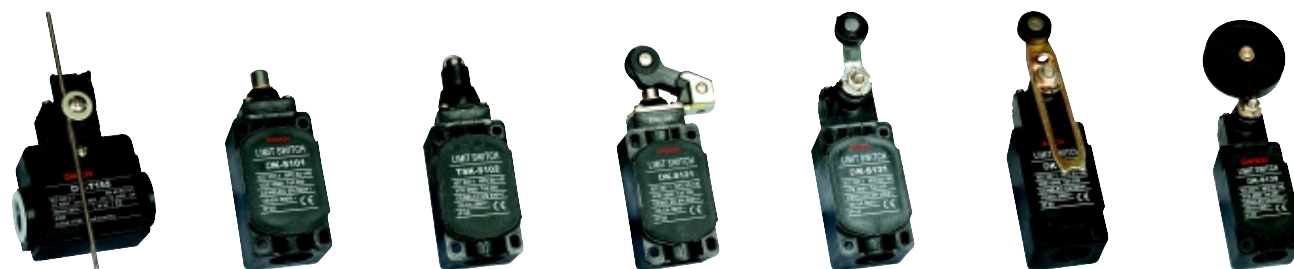
DK-M102 DK-M106 DK-M110 DK-M115 DK-M121 DK-M139 DK-M141



DK-P102 DK-P106 DK-P110 DK-P118 DK-P121 DK-P127 DK-P128 DK-P139 DK-P145 DK-P155



DK-T102 DK-T106 DK-T110 DK-T118 DK-T121 DK-T127 DK-T128 DK-T145



DK-T155 DK-S101 DK-S102 DK-S121 DK-S131 DK-S141 DK-S139

Limiting Switch



DK-J10511 DK-J10531 DK-J10541 DK-J10559 DK-J108 DK-J121 DK-J139 DK-J161 DK-J167



ME9101 ME8104 ME8107 ME8108 ME8111 ME8112 ME8122 ME8166 ME8169



TZ-8104 TZ-8107 TZ-8108 TZ-8111 TZ-8112 TZ-8122 TZ-8166 TZ-8167 TZ-8169



MEA-9104 MEA-9107 MEA-9108 MEA-9111 MEA-9122 MEA-9124 MEA-9127 MEA-9128 MEA-9139 MEA-9161



MEA-9112 MEA-9166 MEA-9169 WL-CA2 WL-CA2-2 WL-CA12 WL-CA12-2 WL-CA32-41 WL-CL WL-D

Limiting Switch



WL-D2

WL-NJ

WL-NJ-S2



HL-5000



HL-5030



HL-5050



HL-5100



HL-5200



HL-5300



3SE3 120-1B



3SE3 120-1C



3SE3 120-1D



3SE3 120-1E



3SE3 120-1G



3SE3 120-1R



3SE3 120-1T



3SE3 120-1U



3SE3 120-1W



3SE3 100-1B



3SE3 100-1D



3SE3 100-1E



3SE3 100-1F



3SE3 100-1G



3SE3 100-1R



3SE3 100-1T



3SE3 100-1U



3SE3 100-1W



LXX3-20H/B



LXX3-20H/D



LXX3-20H/H



LXX3-20H/J



LXX3-20H/L



LXX3-20S/B



LXX3-20S/D



LXX3-20S/H₂



LXX3-20S/J



LXX3-20S/L



LXX3-20S/T



LXX3-20S/W



LXX3-20S/Z

Micro Switch

Application

General purpose micro switches are used in AC control circuits of 50/60Hz, with a voltage up to 380V and a rated control capacity of 100VA or in DC control circuits with a voltage up to 220V and a rated control capacity of 10W.



Z-15HW24-B



Z-15GD-B



Z-15GQ-B



Z-15GQ21-B



Z-15GQ22-B



Z-15GW-B



Z-15GW2-B



Z-15GW21-B



Z-15GW22-B



Z-15G-B



LXW5-11D



LXW5-11G1



LXW5-11G2



LXW5-11G3



LXW5-11M



LXW5-11N1



LXW5-11N2



LXW5-11Q1



LXW5-11Q2



LXW5-11Z



AZ-7100



AZ-7110



AZ-7120



AZ-7121



AZ-7124



AZ-7140



AZ-7141



AZ-7144



AZ-7166



AZ-7310

Micro Switch



AZ-7311



AZ-7312



D4MC-1000



D4MC-1020



D4MC-2000



D4MC-2020



D4MC-3030



D4MC-5000



D4MC-5020



D4MC-5040



V-15-1C25



V-151-1C25



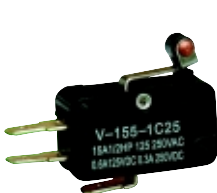
V-152-1C25



V-153-1C25



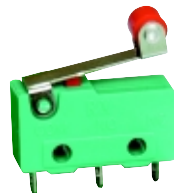
V-154-1C25



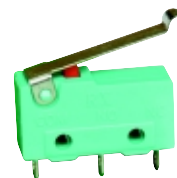
V-155-1C25



V-156-1C25



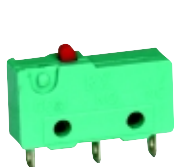
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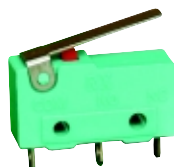
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YL23-03



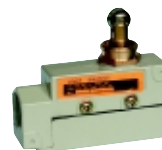
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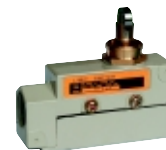
YL23-05



MJ1-6101



MJ1-6102



MJ1-6102R



MJ1-6104



MJ1-6107



MJ1-6111



MJ1-6112

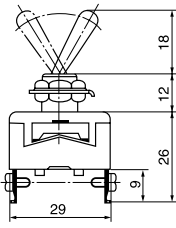
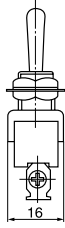
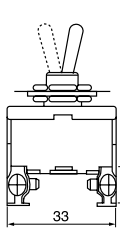
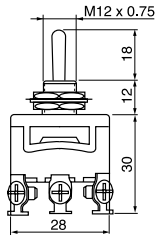
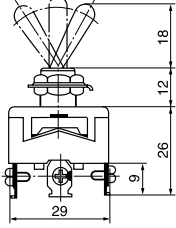
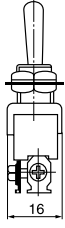
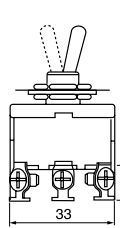
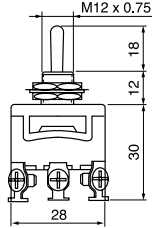
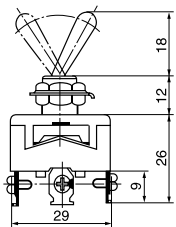
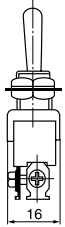
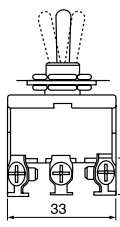
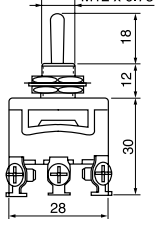
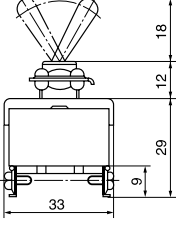
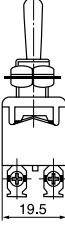
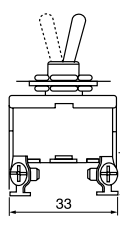
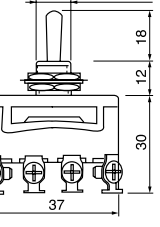
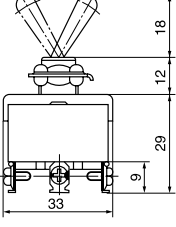
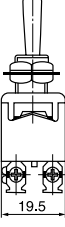
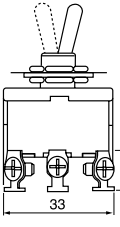
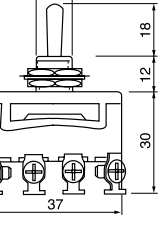
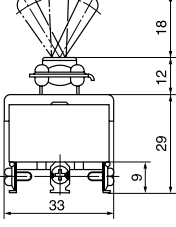
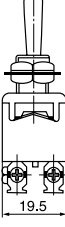
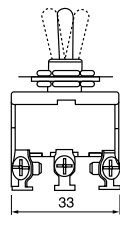
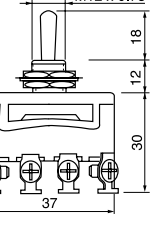


MJ1-6114



MJ1-6117

Toggle Switch

   ON-OFF 1021 START-OFF 2021	   ON-OFF 1401 START-OFF 2401
   ON-OFF-ON 1122 START-OFF-START 2122	   ON-ON 1402 START-START 2402
   ON-ON 1121 START-START 2121	   ON-OFF-ON 1403 START-OFF-START 2403
   ON-OFF 1221 START-OFF 2221	   ON-OFF 1404 START-OFF 2404
   ON-ON 1321 START-START 2321	   ON-ON 1405 START-ON 2405
   ON-OFF-ON 1322 START-OFF-START 2322	   ON-OFF-ON 1406 START-OFF-START 2406

Cam Starter



QS5-15N



QS5-30N



QS5-63A



GZ-16



GZ-40



GZ-63



GZ-100

Application

Cam starter is mainly used to start, stop, forward or backward directly three-phase asynchronous electric motor with AC 50Hz, voltage up to 500V and capacity up to 7.5KW. It can also be used for changeover from one kind of circuit to the other.

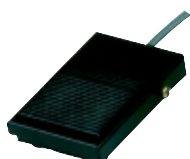
Specifications

Type	Mark	Rated current (A)	Motor control capacity (HP)	Electrical life (times)	Mechanical life (times)	Frequency of operation (per hr)	Applications	Position of lever		
QS5-15A	I-O	15	5.5	100000	250000	200	ON-OFF switching	0-60		
QS5-30A		30	10				Forward & reverse	60-0-60		
QS5-15N	I-O-I	15	5.5							
QS5-30N		30	10				for 3 pole two circuits	60-0-60		
QS5-15P/3	I-O-2	15	5.5							
QS5-30P/3		30	10				80000	200000	180	ON-OFF switching
QS5-63A	I-O	63	22	Forward & reverse	60-0-60					
QS5-100A		100	30							
QS5-63N	I-O-I	63	22	for 4 pole two circuits	60-0-60					
QS5-100N		100	30							
QS5-63P/4	I-O-2	63	22							
QS5-100P/4		100	30	100000	250000	200				for 3 pole & 4 pole two circuits
GZ-16	I-O-2	15	5.5							
GZ-40		30	10							
GZ-63		63	22							
GZ-100		100	30	80000	200000	180				

Pedal Switch



FS- $\frac{1}{2}$



FS-1



FS-1E



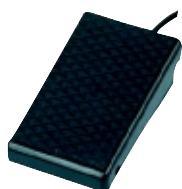
FS-2



FS-3



FS-3S



FS-6



FS-7



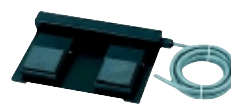
FS-9



FS-10



FS-11



FS-202



8013



8014



8016



8017



8018



VFS-201



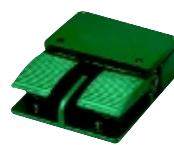
KW-5A-B



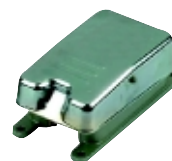
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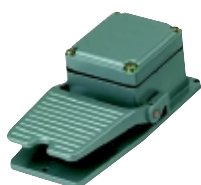
YDT1-101



YDT1-14-2



LT2



MDLT3



MD-10



MD-10S



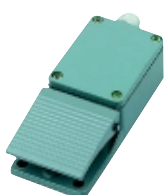
MD-13HYDT1-11



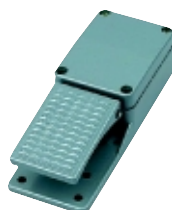
MD13HS



MD-13HT



MD-18



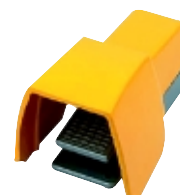
MD-17



MD-68H



MD LTH(MD-14H)



MD-88H



MD LT4-2F

CA10 Universal Changeover Switch



CA10 20A



CA10 32A

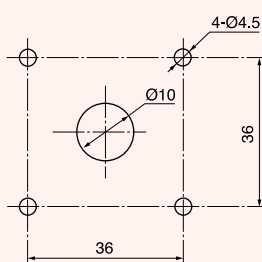


CA10 63A

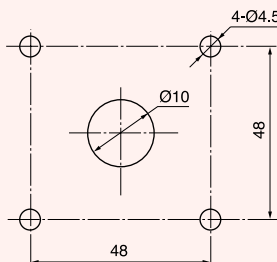
Specifications

Type	CA10-20			CA10-25			CA10-32			CA10-63		CA10-125		CA10-160	
Rated Insulation Voltage $U_i(V)$	690			690			690			690		690		690	
Conventional Heating Current $I_{th}(A)$ $AC10 \leq 40^\circ$	20			25			32			63		125		160	
Rated Working Voltage $U_e(V)$	120	240	440	120	240	440	120	240	440	240	440	240	440	220	440
Rated Working Current $I_e(A)$	AC-21A AC-22A	20	20	25	25	25	32	32	63	63	100	100	150	150	150
	AC-23A	15	15	22	22	22	30	30	57	57	90	90	135	135	135
	AC-2	15	15	22	22	22	30	30	57	57	90	90	135	135	135
	AC-3	11	11	15	15	15	22	22	36	36	75	75	95	95	95
	AC-4	3.5	3.5	6.5	6.5	6.5	11	11	15	15	30	30	55	55	55
	AC-15	5	4	8	5	5	14	6							
	AC-13	5	1	9	1.5		25	11							
Rated Control Power (KW)	AC-23A	3.7/2.5	7.5/3.7	5.5/3	11/5.5		7.5/4	15/7.5	15/10	30/18.5	30/15	45/22	37/22	75/37	75/37
	AC-2	4	7.5	5.5	11		7.5	15	18.5	30	30	45	37	55	55
	AC-3	3/2.2	5.5/3	4/3	7.5/3.7		5.5/4	11/5.5	11/6	18.5/11	15/7.5	30/13	22/11	37/18.5	37/18.5
	AC-4	0.55/0.75	1.5/1.5	1.5/1.1	3/2.2		3.7/1.5	5.5/3	5.5/2.4	7.5/4	6/3	12/5.5	10/4	15/7.5	15/7.5
Mechanical Life	60 x 10 ⁴														
Electrical Life	AC-15 20 x 10 ⁴ DC-13 6 x 10 ⁴														

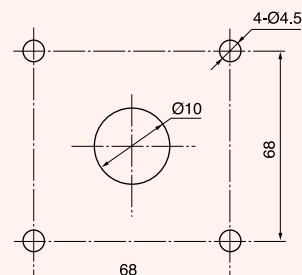
Dimensions



20A, 25A



32A, 63A



125A, 160A

EP Universal Changeover Switch



EP 20A



EP 32A

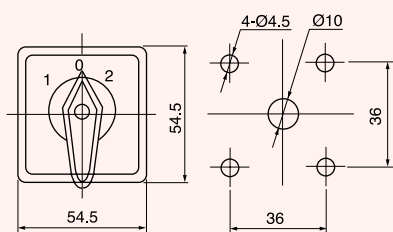


EP 75A

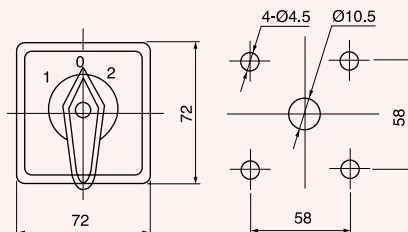
Specifications

Type	EP-20			EP-25			EP-32			EP-75		EP-125
Rated Insulation Voltage $U_i(V)$	660			660			660			660		660
Conventional Heating Current $I_{th}(A)$ $AC10 \leq 40^\circ$	20			25			32			75		125
Rated Working Voltage $U_e(V)$	120	240	440	120	240	440	120	240	440	120	440	440
Rated Working Current $I_e(A)$	AC-21A AC-22A		20			25			32		75	125
	AC-23A		15			22			30		72	90
	AC-2		15			22			30		72	90
	AC-3		11			15			22		32	36
	AC-4		3.5			6.5			11		23	30
	AC-15	5	4		8	5		14	6			
Rated Control Power (KW)	AC-23A		7.5			11			15		30	45
	AC-2		7.5			11			15		30	45
	AC-3		5.5			7.5			11		24	45
	AC-4		1.5			3			5.5		11.5	18.5
Mechanical Life	60 x 10 ⁴											
Electrical Life	AC-15 20 x 10 ⁴ DC-13 6 x 10 ⁴											

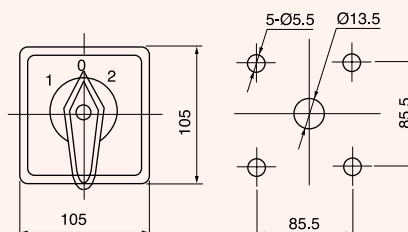
Dimensions



EP-20A

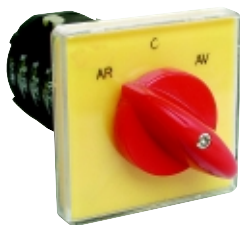


EP-20A, 25A, 32A



EP-75A, 125A

Universal Changeover Switch



G25 20A



LW5 16A / 40A



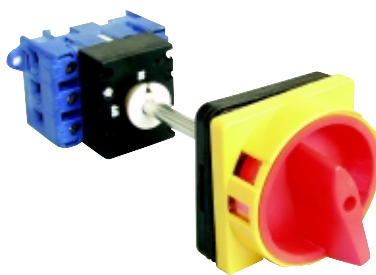
HZ12 16A / 25A / 40A



LW8 10A / 20A



Front Panel
D11 25A / 32A / 40A / 63A / 80A / 100A



Rare Panel
D11 25A / 32A / 40A / 63A / 80A / 100A



Enclosed Type
D11 25A / 32A / 40A / 63A / 80A / 100A



UKP
20A/32A/40A/63A/80A/100A



UKT5
20A/32A/40A/63A/80A/100A



H12 20A



CS-68-YI 20A



LW47A 20A



CS-68 20A



C11 20A



3LB3 25A



3LB4 40A



3LB5 63A