











-  IP67 Protection
-  AC and DC Range
-  Silver Plated Alloy Contacts
-  High Reliability
-  Small, Space-Saving Installation
-  Polycarbonate UL94V-0 Flame Retardant
-  20, 25, 32, 40 & 63 (A) AC
-  16, 25, 32 (A) DC

IP67 AC and DC Isolator Switches



01933 234400



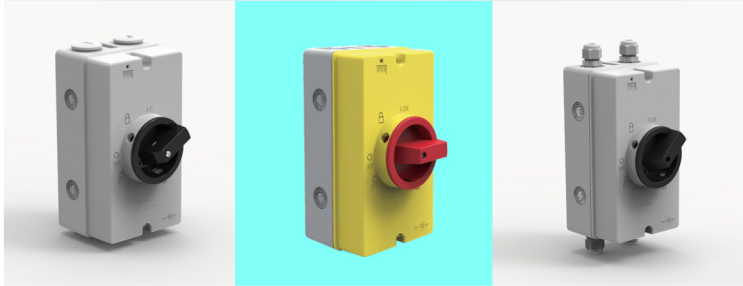
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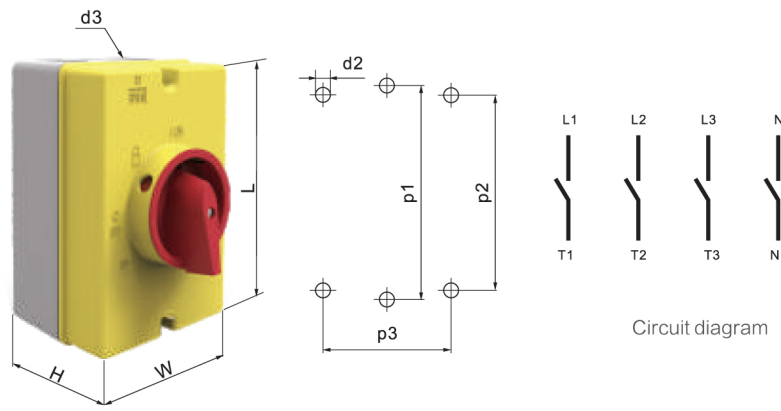
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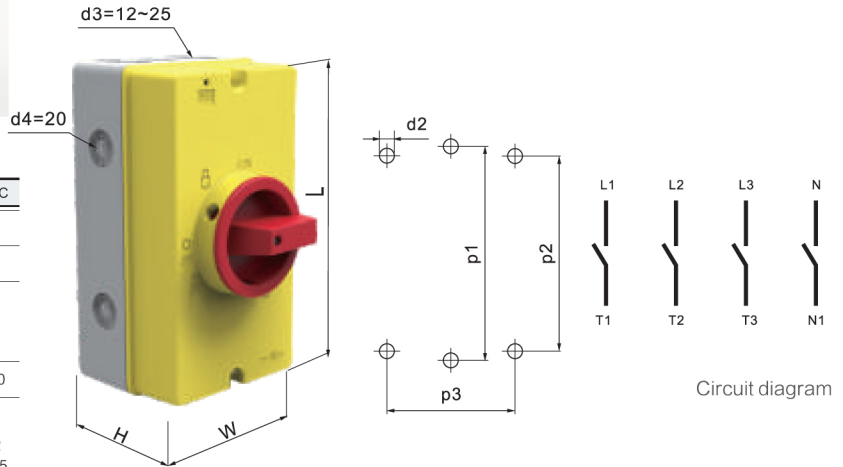
Dimensions



Model	Dimensions				Holes Dimensions			
	d3	W	H	L	p1	p2	p3	d2
20		98	80	145	134	115	81	4.2
25		98	80	145	134	115	81	4.2
32		98	80	145	134	115	81	4.2
40		98	80	145	134	115	81	4.2

AC Isolation Switch Specification

Model	DE1S.04.20AC		DE1S.04.25AC		DE1S.04.32AC		DE1S.04.40AC		DE1S.04.63AC	
Rated insulation voltage (V)	690		690		690		690		690	
Rated carry current (A)	20		25		32		40		63	
Rated operating current (A)										
AC-23A	15		17.9		22		30		43	
AC-3	11		12.7		15		22		36	
Rated voltage	240	440	240	440	240	440	240	440	240	440
Rated power control (kW)										
AC-23A	3.7	5.5	4.5	7.8	5.5	11	7.5	15	9	22
AC-3	2.7	3.7	3.2	5.3	4	7.5	5.5	11	8	18.5
UL-CSA	240	440	240	440	240	440	240	440	240	440
Motor load (HP)	2	3	3.3	5.9	5	10	7.5	15	10	20
Rated current within (A)	180		215		264		360		516	
Connect wires (mm ²)	1.25-5.5		1.56-9.04		2-14		2-44		2-38	
Screw Torque (N · m)	0.8(8.16kgf.cm)				1.2(12.24kgf.cm)		1.2(12.24kgf.cm)			



Model	Dimensions					Holes Dimensions			
	d3	d4	W	H	L	p1	p2	p3	d2
63 and DC range	25	20	98	81	180	169	155	80	4.2

DC Isolation Switch Specification

IEC60947-3, DC21B
Data according to IEC60947-3, utilization category DC-21B

Main Parameters		DE1S.04.16DC	DE1S.04.25DC	DE1S.04.32DC
Rated insulation voltage	U _i	1500V	1500V	1500V
Rated thermal current	I _{the}	16A	25A	32A
Rated impulse withstand voltage	U _{imp}	8000V	8000V	8000V
Rated short-time withstand current (1s)	I _{low}	2,4,6,8	800A	900A
		2H, 3H, 4H	1300A	1500A
Rated short-circuit making capacity	I _{cm}	2,4,6,8	800A	900A
		2H, 3H, 4H	1300A	1500A
Rated conditional short-circuit current	I _{cc}	5000A	5000A	5000A
Max. fuse size	gL(gG)	40A	63A	80A
Max. cable cross sections				
Solid or standard		4-16mm ²	4-16mm ²	4-16mm ²
Flexible		4-10mm ²	4-10mm ²	4-10mm ²
Flexible(+multicore cable end)		4-10mm ²	4-10mm ²	4-10mm ²
Torque				
Tightening torque terminal screws M4.		1.2-1.3Nm	1.2-1.3Nm	1.2-1.3Nm
Tightening torque panel mounting screws ST4,2		NA	NA	NA
Tightening torque knob screws M3		2.0-2.3Nm	2.0-2.3Nm	2.0-2.3Nm
Tightening torque knob screws M3		0.5-0.7Nm	0.5-0.7Nm	0.5-0.7Nm
Switching on or off torque		0.9-1.3Nm	0.9-1.3Nm	0.9-1.3Nm

Power loss per switch Max.			1W	2W	3W
2			1W	2W	3W
2H4			2W	4W	6W
3H6			3W	6W	9W
4H8			4W	8W	12W
General parameters			A	B	C
Type of knob					
Mechanical life			10,000		
Number of DC poles			4		
Distance of contacts(per pole)			8mm		
Operation temperature			-25°C~+70°C		
Storage temperature			-40°C~+70°C		
Pollution degree			2		
Over voltage category			I to III		
IP rating of shafte and mounting			IP67		
Weight		2	0.14kg		
		2H4	0.207g		
		3H6	0.26kg		
	4H8	0.31kg			