

Technical Information - Switches and Fuseholders

Most major technical information is shown on each specific product page, other details are grouped here for easy reference. Details shown here apply to most switches and fuseholders. Safety switches (page 56), indicators (pages 66-80) and connectors (pages 81-83) have product specific information within the section.

MATERIALS	MOST PRODUCTS	EXCEPTIONS
Body and actuator (opaque)	Nylon 6.6 .....	.8300V, 1900V, 0916V & 0911V bezels & actuators are stainless steel 0600 and 3900 actuators are plated brass
Actuator (transparent)	Polycarbonate	
Current carrying parts	Copper Alloy	
Contact points	Silver Alloy .....	.N/A for 0055/56, 0600/2, 0916-0920, 0017, 2000 & 3005/3006. Gold plated for 1100.


PROPERTIES

Electrical

Class II compliant	Confirmed .....	.IEC Sockets
Electrical life (Operations)	>10k, many >50k .....	.See relevant page for details
Mechanical life (Operation) .....		.See relevant page for details
Contact resistance (switches) new condition	<100mΩ (at 12Vdc,1A) .....	.For 1100 & 2000 call sales
Contact resistance (fuseholders) new condition .....	.5mΩ (average)	
Insulation resistance	>20MΩ	
Dielectric strength:		
across open contacts	>1.5kV	
between poles	>1.5kV	
between live parts and accessible metal	>3kV	
Comparative Tracking Index (CTI)	>250	
Temperature rise (terminals) at end of rated life .....	.max 30°K (UL 1054), max 55°K (EN 61058-1)	

PROPERTIES

Physical

Humidity resistance at 91-95% relative humidity (to subsequently comply with requirements of the Dielectric strength test) .....	.48hrs	
Impact resistance	>0.5Nm	
Storage temp. (1 year period)	<125°C .....	.Some discolouration of terminals may occur
Flame retardancy	UL94V2 .....	.(V-0 material also available).
Solderability to BS 2011 pt.2.1T - (with an iron) .....	.6 secs at 350°C	
Angular movement ±4° overall (where applicable) .....	.38° .....	.1250, 6000, 8500, 8550, 8600, 8650, 8800 - 26°
Antimicrobial additive .....	.tested to ISO22196:2007	

INGRESS PROTECTION

IP40 unless otherwise stated.

Higher ratings where available will be shown on the relevant catalogue page.

GENERAL INFORMATION

ALL SWITCHES

Heat and Fire resistance Category 3.

ALL PRODUCTS

Solder terminals should not be fitted with “Push on”, “QD” or “Fast on” type cable connectors.

Panel holes must be punched in the direction of insertion.

μ = micro gap switch contacts <3mm.

RoHS All components shown in this catalogue are RoHS compliant

Also see page 104 for further product information.

All products should be applied, installed and maintained by the customer using competent persons in accordance with good electrical practice. Products should be tested by the customer in the application to ensure suitability. Special care should be taken not to expose switches to water, dust, corrosive chemicals, silicone, excessive solder flux, cyanoacrylate adhesives, severe impact, extremes of temperature, electrical supply voltage or load current in excess of the specified limits.

Transparent lenses on indicator lights and lit switches are moulded in polycarbonate, a material which is attacked by organic chemicals and animal or vegetable fats. Please contact sales for advice on these products.

For performance in accord with the stated ratings, switch actuators should be fully depressed and fully released during operation.

WEIGHTS OF OUR MOST FREQUENTLY SUPPLIED PRODUCTS, not including packaging.

Product	gms	Product	gms	Product	gms	Product	gms	Product	.....gms
0055, 0056	5.7/6.8	1091FH	12.6	1700H	8.4	5567	14.3	8550	4.8
0305	32.9	1100	2.0	1750H	13.2	6050	13.58	8553	5.2
0333	4.5	1250SP	5.9	17500	25.6	6053	14.15	8600	3.5
0345	8.9	1250DP	7.0	2000 2pos C SP	3.8	7000	10.4	8620	4.3
0340 sw only	7.12	1300	5.7	2000 2pos C DP	4.5	7050	12.3	8650	6.3
0430	5.5	1350	11.2	2000 5pos A SP	6.3	7053	12.9	8670	8.5
0589	3.5	1500	5.7	2000 5pos A DP	7.3	8250	4.9	8800	2.9
0711-1S	16.6	1520	6.6	T2225B	5.0	8300	4.0	9100	20.0
0712-S	27.8	1550	11.2	2950	5.3	8350	5.0		
0717-1S	22.4	1553	11.8	3111	11.8	8350RP	34.0		
0900S/L	2.6/2.9	1570	12.7	5500	7.1	8353	5.9		
1048	2.8	1584-1589	11.1	5503	7.8	8500	3.8		