



**Technical Info - IP Weatherproof**  
(read in conjunction with General Notes)

	<i>IP66US13</i>	<i>IP66SS1</i>	<i>IP662M</i>	<i>45ST5011</i>	<i>45ST5012</i>	<i>45ST5013</i>
Insert type	unswitched socket in enclosure	switched socket in enclosure	enclosure (2 module)	1 gang 1 way rocker in enclosure	2 gang 1 way rocker in enclosure	3 gang 1 way rocker in enclosure
Plate material	Body Grey ABS cover polycarbonate	Body Grey ABS cover polycarbonate	Body Grey ABS cover polycarbonate	grey ABS	grey ABS	grey ABS
Size mm	125 x 82 x 94	125 x 82 x94	125 x 82 x 94	70 x 85 x 55	70 x 85 x 55	95 x 85 x 55
Box fixing hole centres						
Grid fixing hole centres						
Minimum wall box depth						
Wattage						
Current Rating	13amp	13amp		20AX	20AX	20AX
Voltage	250v AC	250v AC		250v AC	250v AC	250v AC
Max load	13amp	13amp		20amp	20amp	20amp
Hz	50/60 Hz	50/60 Hz		50/60 Hz	50/60 Hz	50/60 Hz
IP rating	IP66 with plug inserted	IP66 with plug inserted	IP66	IP55 when closed	IP55 when closed	IP55 when closed
Poles	2 poles + Earth	2 poles + Earth		Single	Single	Single
Terminal Capacity	5 x 1mm <sup>2</sup>	5 x 1mm <sup>2</sup>		5 x 1mm <sup>2</sup>	5 x 1mm <sup>2</sup>	5 x 1mm <sup>2</sup>
	4 x 1.5mm <sup>2</sup>	4 x 1.5mm <sup>2</sup>		4 x 1.5mm <sup>2</sup>	4 x 1.5mm <sup>2</sup>	4 x 1.5mm <sup>2</sup>
	3 x 2.5mm <sup>2</sup>	3 x 2.5mm <sup>2</sup>		3 x 2.5mm <sup>2</sup>	3 x 2.5mm <sup>2</sup>	3 x 2.5mm <sup>2</sup>
	2 x 4mm <sup>2</sup> Multi-Strand	2 x 4mm <sup>2</sup> Multi-Strand		2 x 4mm <sup>2</sup> Multi-Strand	2 x 4mm <sup>2</sup> Multi-Strand	2 x 4mm <sup>2</sup> Multi-Strand
	1 x 6mm <sup>2</sup>	1 x 6mm <sup>2</sup>	1 x 6mm <sup>2</sup>	1 x 6mm <sup>2</sup>	1 x 6mm <sup>2</sup>	
Earth Terminal Capacity	4 x 2.5mm <sup>2</sup>	4 x 2.5mm <sup>2</sup>	4 x 2.5mm <sup>2</sup>	4 x 2.5mm <sup>2</sup>	4 x 2.5mm <sup>2</sup>	4 x 2.5mm <sup>2</sup>
	2 x 4mm <sup>2</sup>	2 x 4mm <sup>2</sup>	2 x 4mm <sup>2</sup>	2 x 4mm <sup>2</sup>	2 x 4mm <sup>2</sup>	2 x 4mm <sup>2</sup>
	2 x 6mm <sup>2</sup>	2 x 6mm <sup>2</sup>	2 x 6mm <sup>2</sup>	2 x 6mm <sup>2</sup>	2 x 6mm <sup>2</sup>	2 x 6mm <sup>2</sup>
	1 x 10mm <sup>2</sup>	1 x 10mm <sup>2</sup>	1 x 10mm <sup>2</sup>	1 x 10mm <sup>2</sup>	1 x 10mm <sup>2</sup>	1 x 10mm <sup>2</sup>
<b>Product Class 1</b>	Must be earthed	Must be earthed	Must be earthed	Must be earthed	Must be earthed	Must be earthed
Ambient Operating Temperature	-5 <sup>0</sup> + 40 <sup>0</sup> C	-5 <sup>0</sup> + 40 <sup>0</sup> C	-5 <sup>0</sup> + 40 <sup>0</sup> C	-5 <sup>0</sup> + 40 <sup>0</sup> C	-5 <sup>0</sup> + 40 <sup>0</sup> C	-5 <sup>0</sup> + 40 <sup>0</sup> C
Recommended Location	Suitable for exterior use	Suitable for exterior use	Suitable for exterior use	Suitable for exterior use	Suitable for exterior use	Suitable for exterior use
Max installation Altitude	2000m	2000m	2000m	2000m	2000m	2000m
BS EN ISO Standard	BS 1363	BS 1363	EN 60670-1	BS EN 60669-1	BS EN 60669-1	BS EN 60669-1
	EN 60670-1	EN 60670-1	EN 60670-1	EN 60670-1	EN 60670-1	EN 60670-1
Cable capacity	up to 2.5mm	up to 2.5mm	up to 2.5mm			


**Technical Info - IP Weatherproof**  
(read in conjunction with General Notes)

	<b>45ST5021</b>	<b>45ST5022</b>	<b>45ST5023</b>	<b>45ST5041</b>	<b>45ST5051</b>	<b>45ST5101</b>
Insert type	1 gang 2 way rocker in enclosure	2 gang 2 way rocker in enclosure	3 gang 2 way rocker in enclosure	1 gang intermediate rocker in enclosure	1 gang retractive rocker in enclosure	1 gang double pole rocker in enclosure
Plate material	grey ABS	grey ABS	grey ABS	grey ABS	grey ABS	grey ABS
Size mm	70 x 85 x 55	70 x 85 x 55	95 x 85 x 55	70 x 85 x 55	70 x 85 x 55	70 x 85 x 55
Box fixing hole centres						
Grid fixing hole centres						
Minimum wall box depth						
Wattage						
Current Rating	20AX	20AX	20AX	16A	20A	20AX
Voltage	250v AC	250v AC	250v AC	250v AC	250v AC	250v AC
Max load	20amp	20amp	20amp	16amps	20amps	20amps
Hz	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz
IP rating	IP55 when closed	IP55 when closed	IP55 when closed	IP55 when closed	IP55 when closed	IP55 when closed
Poles	Single	Single	Single	Single	Single	Double
Terminal Capacity	5 x 1mm <sup>2</sup>	5 x 1mm <sup>2</sup>	5 x 1mm <sup>2</sup>	5 x 1mm <sup>2</sup>	5 x 1mm <sup>2</sup>	5 x 1mm <sup>2</sup>
	4 x 1.5mm <sup>2</sup>	4 x 1.5mm <sup>2</sup>	4 x 1.5mm <sup>2</sup>	4 x 1.5mm <sup>2</sup>	4 x 1.5mm <sup>2</sup>	4 x 1.5mm <sup>2</sup>
	3 x 2.5mm <sup>2</sup>	3 x 2.5mm <sup>2</sup>	3 x 2.5mm <sup>2</sup>	3 x 2.5mm <sup>2</sup>	3 x 2.5mm <sup>2</sup>	3 x 2.5mm <sup>2</sup>
	2 x 4mm <sup>2</sup> Multi-Strand	2 x 4mm <sup>2</sup> Multi-Strand	2 x 4mm <sup>2</sup> Multi-Strand	2 x 4mm <sup>2</sup> Multi-Strand	2 x 4mm <sup>2</sup> Multi-Strand	2 x 4mm <sup>2</sup> Multi-Strand
	1 x 6mm <sup>2</sup>	1 x 6mm <sup>2</sup>	1 x 6mm <sup>2</sup>	1 x 6mm <sup>2</sup>	1 x 6mm <sup>2</sup>	1 x 6mm <sup>2</sup>
Earth Terminal Capacity	4 x 2.5mm <sup>2</sup>	4 x 2.5mm <sup>2</sup>	4 x 2.5mm <sup>2</sup>	4 x 2.5mm <sup>2</sup>	4 x 2.5mm <sup>2</sup>	4 x 2.5mm <sup>2</sup>
	2 x 4mm <sup>2</sup>	2 x 4mm <sup>2</sup>	2 x 4mm <sup>2</sup>	2 x 4mm <sup>2</sup>	2 x 4mm <sup>2</sup>	2 x 4mm <sup>2</sup>
	2 x 6mm <sup>2</sup>	2 x 6mm <sup>2</sup>	2 x 6mm <sup>2</sup>	2 x 6mm <sup>2</sup>	2 x 6mm <sup>2</sup>	2 x 6mm <sup>2</sup>
	1 x 10mm <sup>2</sup>	1 x 10mm <sup>2</sup>	1 x 10mm <sup>2</sup>	1 x 10mm <sup>2</sup>	1 x 10mm <sup>2</sup>	1 x 10mm <sup>2</sup>
<b>Product Class 1</b>	Must be earthed	Must be earthed	Must be earthed	Must be earthed	Must be earthed	Must be earthed
Ambient Operating Temperature	-5 <sup>0</sup> + 40 <sup>0</sup> C	-5 <sup>0</sup> + 40 <sup>0</sup> C	-5 <sup>0</sup> + 40 <sup>0</sup> C	-5 <sup>0</sup> + 40 <sup>0</sup> C	-5 <sup>0</sup> + 40 <sup>0</sup> C	-5 <sup>0</sup> + 40 <sup>0</sup> C
Recommended Location	Suitable for exterior use	Suitable for exterior use	Suitable for exterior use	Suitable for exterior use	Suitable for exterior use	Suitable for exterior use
Max installation Altitude	2000m	2000m	2000m	2000m	2000m	2000m
BS EN ISO Standard	BS EN 60669-1 EN 60670-1	BS EN 60669-1 EN 60670-1	BS EN 60669-1 EN 60670-1	BS EN 60669-1 EN 60670-1	BS EN 60669-1 EN 60670-1	BS EN 60669-1 EN 60670-1
Cable capacity						

**Technical Info - IP Weatherproof**  
(read in conjunction with General Notes)

	<b>45ST597US1</b>	<b>45ST597SS1</b>	<b>45ST597US99</b>	<b>45MM03</b>	<b>45RD02</b>	<b>45CP00</b>	<b>45ST01</b>	<b>45ST02</b>	<b>45ST03</b>
Insert type	unswitched socket	unswitched socket & switch	unswitched sockets	earth terminal	box to box coupler	box to wire or conduit connector			
Plate material	grey ABS	grey ABS	grey ABS	metal	grey ABS	grey ABS	grey ABS	grey ABS	grey ABS
Size mm	70 x 85 x 55	95 x 85 x 55	140 x 85 x 55				70 x 85 x 55	70 x 85 x 55	95 x 85 x 55
Box fixing hole centres									
Grid fixing hole centres									
Minimum wall box depth									
Wattage									
Current Rating	13amp	13amp & 20AX	13amp						
Voltage	250v AC	250v AC	250v AC						
Max load	13amp	13amp & 20AX	13amp						
Hz	50/60 Hz	50/60 Hz	50/60 Hz						
IP rating	IP55 when closed	IP55 when closed	IP55 when closed				IP55	IP55	IP55
Poles	2 poles + Earth	2 poles + Earth	2 poles + Earth						
Terminal Capacity	5 x 1mm <sup>2</sup>	5 x 1mm <sup>2</sup>	5 x 1mm <sup>2</sup>						
	4 x 1.5mm <sup>2</sup>	4 x 1.5mm <sup>2</sup>	4 x 1.5mm <sup>2</sup>						
	3 x 2.5mm <sup>2</sup>	3 x 2.5mm <sup>2</sup>	3 x 2.5mm <sup>2</sup>						
	2 x 4mm <sup>2</sup> Multi-Strand	2 x 4mm <sup>2</sup> Multi-Strand	2 x 4mm <sup>2</sup> Multi-Strand						
	1 x 6mm <sup>2</sup>	1 x 6mm <sup>2</sup>	1 x 6mm <sup>2</sup>						
Earth Terminal Capacity	4 x 2.5mm <sup>2</sup>	4 x 2.5mm <sup>2</sup>	4 x 2.5mm <sup>2</sup>	4 x 2.5mm <sup>2</sup>					
	2 x 4mm <sup>2</sup>	2 x 4mm <sup>2</sup>	2 x 4mm <sup>2</sup>	2 x 4mm <sup>2</sup>					
	2 x 6mm <sup>2</sup>	2 x 6mm <sup>2</sup>	2 x 6mm <sup>2</sup>	2 x 6mm <sup>2</sup>					
	1 x 10mm <sup>2</sup>	1 x 10mm <sup>2</sup>	1 x 10mm <sup>2</sup>	1 x 10mm <sup>2</sup>					
<b>Product Class 1</b>	Must be earthed	Must be earthed	Must be earthed						
Ambient Operating Temperature	-5 <sup>0</sup> + 40 <sup>0</sup> C	-5 <sup>0</sup> + 40 <sup>0</sup> C	-5 <sup>0</sup> + 40 <sup>0</sup> C				-5 <sup>0</sup> + 40 <sup>0</sup> C	-5 <sup>0</sup> + 40 <sup>0</sup> C	-5 <sup>0</sup> + 40 <sup>0</sup> C
Recommended Location	Suitable for exterior use	Suitable for exterior use	Suitable for exterior use	In IP Enclosures	In IP Enclosures	In IP Enclosures	Suitable for exterior use	Suitable for exterior use	Suitable for exterior use
Max installation Altitude	2000m	2000m	2000m	2000m	2000m	2000m	2000m	2000m	2000m
BS EN ISO Standard	BS 1363 EN 60670-1	BS 1363 EN 60670-1	BS 1363 EN 60670-1				EN 60670-1	EN 60670-1	EN 60670-1
Cable capacity									

**Technical Info - IP Weatherproof**  
(read in conjunction with General Notes)

	<b>45ST04</b>	<b>45ST99</b>	<b>45501</b>	<b>45502</b>	<b>45504</b>	<b>45505</b>	<b>45510</b>	<b>45573</b>	<b>45597TS</b>
Insert type			1 gang 1 way rocker	1 gang 2 way rocker	1 gang intermediate rocker	1 gang retractive rocker	1 gang double pole rocker	1 gang double pole key switch	unswitched socket
Plate material	grey ABS	grey ABS	grey ABS	grey ABS	grey ABS	grey ABS	grey ABS	grey ABS	grey ABS
Size mm	120 x 85 x 55	140 x 85 x 55	25 x 45	25 x 45	25 x 45	25 x 45	25 x 45	25 x 45	50 x 45
Box fixing hole centres									
Grid fixing hole centres									
Minimum wall box depth									
Wattage									
Current Rating									
Voltage	250v	250v AC	250v AC	250v AC	250v AC	250v AC	250v AC		
Max load	20amp	20amp	16amps	20amps	20amps	20amps	13amp		
Hz	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz		
IP rating	IP55	IP55							
Poles			Single	Single	Single	Single	Double	Double	2 poles + Earth
Terminal Capacity			5 x 1mm <sup>2</sup>	5 x 1mm <sup>2</sup>	5 x 1mm <sup>2</sup>	5 x 1mm <sup>2</sup>	5 x 1mm <sup>2</sup>	5 x 1mm <sup>2</sup>	5 x 1mm <sup>2</sup>
			4 x 1.5mm <sup>2</sup>	4 x 1.5mm <sup>2</sup>	4 x 1.5mm <sup>2</sup>	4 x 1.5mm <sup>2</sup>	4 x 1.5mm <sup>2</sup>	4 x 1.5mm <sup>2</sup>	4 x 1.5mm <sup>2</sup>
			3 x 2.5mm <sup>2</sup>	3 x 2.5mm <sup>2</sup>	3 x 2.5mm <sup>2</sup>	3 x 2.5mm <sup>2</sup>	3 x 2.5mm <sup>2</sup>	3 x 2.5mm <sup>2</sup>	3 x 2.5mm <sup>2</sup>
			2 x 4mm <sup>2</sup> Multi-Strand	2 x 4mm <sup>2</sup> Multi-Strand	2 x 4mm <sup>2</sup> Multi-Strand	2 x 4mm <sup>2</sup> Multi-Strand	2 x 4mm <sup>2</sup> Multi-Strand	2 x 4mm <sup>2</sup> Multi-Strand	2 x 4mm <sup>2</sup> Multi-Strand
			1 x 6mm <sup>2</sup>	1 x 6mm <sup>2</sup>	1 x 6mm <sup>2</sup>	1 x 6mm <sup>2</sup>	1 x 6mm <sup>2</sup>	1 x 6mm <sup>2</sup>	1 x 6mm <sup>2</sup>
Earth Terminal Capacity			4 x 2.5mm <sup>2</sup>	4 x 2.5mm <sup>2</sup>	4 x 2.5mm <sup>2</sup>	4 x 2.5mm <sup>2</sup>	4 x 2.5mm <sup>2</sup>	4 x 2.5mm <sup>2</sup>	4 x 2.5mm <sup>2</sup>
			2 x 4mm <sup>2</sup>	2 x 4mm <sup>2</sup>	2 x 4mm <sup>2</sup>	2 x 4mm <sup>2</sup>	2 x 4mm <sup>2</sup>	2 x 4mm <sup>2</sup>	2 x 4mm <sup>2</sup>
			2 x 6mm <sup>2</sup>	2 x 6mm <sup>2</sup>	2 x 6mm <sup>2</sup>	2 x 6mm <sup>2</sup>	2 x 6mm <sup>2</sup>	2 x 6mm <sup>2</sup>	2 x 6mm <sup>2</sup>
			1 x 10mm <sup>2</sup>	1 x 10mm <sup>2</sup>	1 x 10mm <sup>2</sup>	1 x 10mm <sup>2</sup>	1 x 10mm <sup>2</sup>	1 x 10mm <sup>2</sup>	1 x 10mm <sup>2</sup>
<b>Product Class 1</b>			Must be earthed	Must be earthed	Must be earthed	Must be earthed	Must be earthed	Must be earthed	Must be earthed
Ambient Operating Temperature	-5 <sup>0</sup> + 40 <sup>0</sup> C	-5 <sup>0</sup> + 40 <sup>0</sup> C	-5 <sup>0</sup> + 40 <sup>0</sup> C	-5 <sup>0</sup> + 40 <sup>0</sup> C	-5 <sup>0</sup> + 40 <sup>0</sup> C	-5 <sup>0</sup> + 40 <sup>0</sup> C	-5 <sup>0</sup> + 40 <sup>0</sup> C	-5 <sup>0</sup> + 40 <sup>0</sup> C	-5 <sup>0</sup> + 40 <sup>0</sup> C
Recommended Location	Suitable for exterior use	Suitable for exterior use	In IP Enclosures	In IP Enclosures	In IP Enclosures	In IP Enclosures	In IP Enclosures	In IP Enclosures	Suitable for exterior use
Max installation Altitude	2000m	2000m	2000m	2000m	2000m	2000m	2000m	2000m	2000m
BS EN ISO Standard	EN 60670-1	EN 60670-1	BS EN 60669-1	BS EN 60669-1	BS EN 60669-1	BS EN 60669-1	BS EN 60669-1	BS EN 60669-1	BS 1363
Cable capacity									