THE NEW SANTON **X-TYPE** SWITCH

2009

Superior Switch Solutions

santon

JD Auspice CO.,Ltd. Tel: 02-2595-9780 Fax: 02-2595-9412 Mail: jd.auspice@msa.hinet.net Web: http://www.jdauspice.com

The operating principle of the new Santon X-type is identical to the existing successful Santon DC switches which have been used throughout the world where DC switching is required as for example in the rail and shipbuilding industry. The prime characteristic for the Santon DC switch is its short switching time of approximately 3 ms, which reduces the arc forming to a minimum.

The new Santon X-type switch is of a modular design which enables a variety of combinations in construction. Combinations of DC and AC in one switch are available, for example for switching both sides of the inverter simultaneously if required.

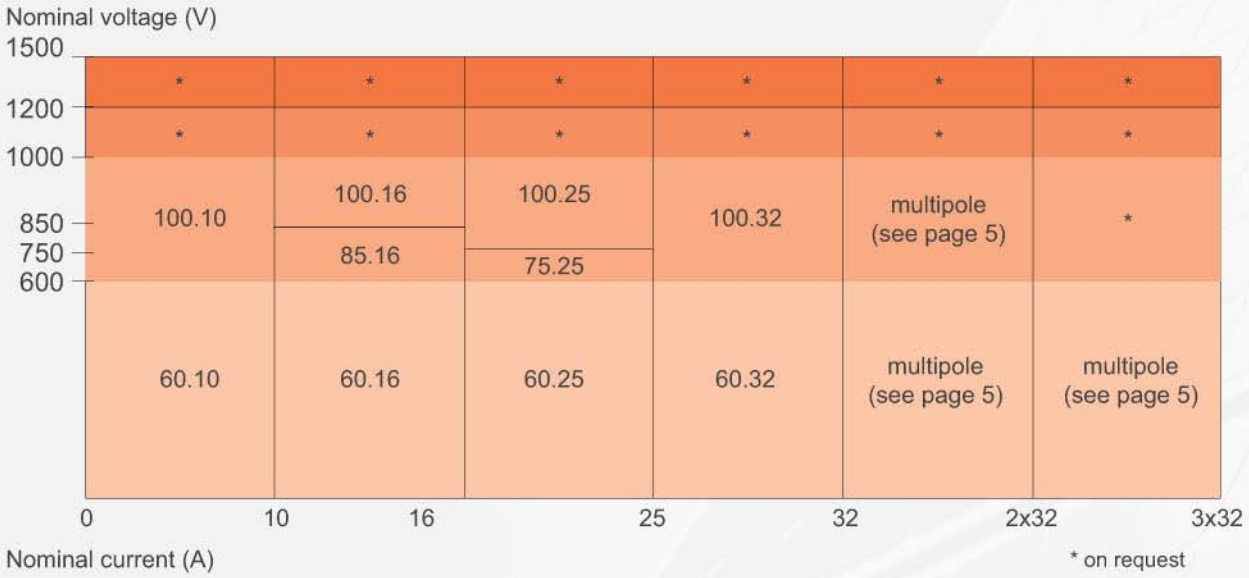
A variety of accessories is available for the new Santon X-type switch amongst others, consisting of various knobs, padlocking handles, IP65 waterproof seals.

The new Santon X-type switch has many modes of fixing: panel mounting by single hole fixing, base mounting (screw fix) or Din rail mounting. All terminals are easily accessible from the rear or the front of the switch (depending on the model).

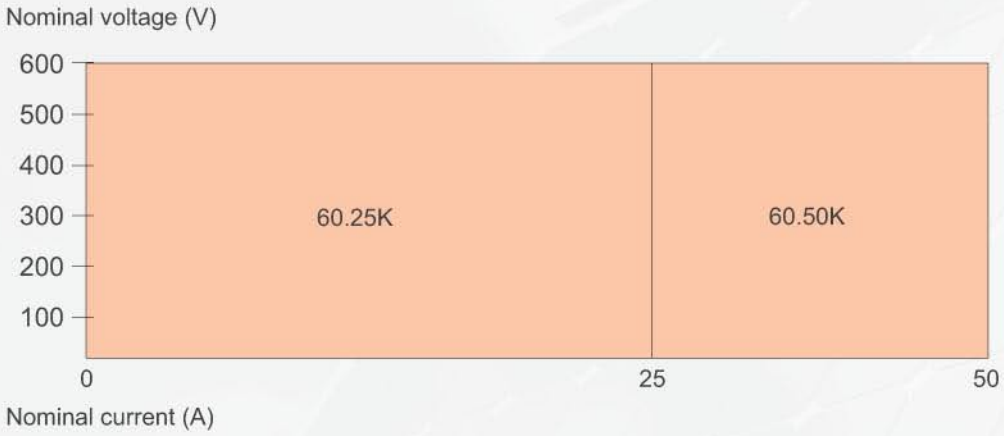
JD Auspice CO.,Ltd. Tel: 02-2595-9780 Fax: 02-2595-9412 Mail: jd.auspice@msa.hinet.net Web: http://www.jdauspice.com

STANDARD SWITCH CONFIGURATIONS

STANDARD COMBINATIONS ACCORDING TO IEC60947-1/3-DC21



STANDARD COMBINATIONS ACCORDING TO UL508



Notes:

1. Voltages above 1000 Volt are available on request.
2. For multipole switches see page 5.
3. Combined AC/DC switches are available on request.

JD Auspice CO.,Ltd. Tel: 02-2595-9780 Fax: 02-2595-9412 Mail: jd.auspice@msa.hinet.net Web: http://www.jdauspice.com

Voltage (V) DC21	Current (A)	Poles	H	Product type code			
					Single hole mounting		
1*		2*	3*	Bottom mounting B	Panel mounting P	Reversed contacts R	Double mounting D
600	10	2	2	X60.10B2	X60.10P2	X60.10R2	X60.10D2
600	10	4	4	X60.10B4	X60.10P4	X60.10R4	X60.10D4
600	10	6	6	X60.10B6	X60.10P6	X60.10R6	X60.10D6
600	10	8	8	X60.10B8	X60.10P8	X60.10R8	X60.10D8
1000	10	2	2	X100.10B2	X100.10P2	X100.10R2	X100.10D2
1000	10	4	4	X100.10B4	X100.10P4	X100.10R4	X100.10D4
1000	10	6	6	X100.10B6	X100.10P6	X100.10R6	X100.10D6
600	16	2	2	X60.16B2	X60.16P2	X60.16R2	X60.16D2
600	16	4	4	X60.16B4	X60.16P4	X60.16R4	X60.16D4
600	16	6	6	X60.16B6	X60.16P6	X60.16R6	X60.16D6
600	16	8	8	X60.16B8	X60.16P8	X60.16R8	X60.16D8
850	16	2	2	X85.16B2	X85.16P2	X85.16R2	X85.16D2
850	16	4	4	X85.16B4	X85.16P4	X85.16R4	X85.16D4
850	16	6	6	X85.16B6	X85.16P6	X85.16R6	X85.16D6
850	16	8	8	X85.16B8	X85.16P8	X85.16R8	X85.16D8
1000	16	2	3	X100.16B2	X100.16P2	X100.16R2	X100.16D2
1000	16	4	6	X100.16B4	X100.16P4	X100.16R4	X100.16D4
1000	16	6	9	X100.16B6	X100.16P6	X100.16R6	X100.16D6
600	25	2	2	X60.25B2	X60.25P2	X60.25R2	X60.25D2
600	25	4	4	X60.25B4	X60.25P4	X60.25R4	X60.25D4
600	25	6	6	X60.25B6	X60.25P6	X60.25R6	X60.25D6
600	25	8	8	X60.25B8	X60.25P8	X60.25R8	X60.25D8
750	25	2	2	X75.25B2	X75.25P2	X75.25R2	X75.25D2
750	25	4	4	X75.25B4	X75.25P4	X75.25R4	X75.25D4
750	25	6	6	X75.25B6	X75.25P6	X75.25R6	X75.25D6
750	25	8	8	X75.25B8	X75.25P8	X75.25R8	X75.25D8
1000	25	2	3	X100.25B2	X100.25P2	X100.25R2	X100.25D2
1000	25	4	6	X100.25B4	X100.25P4	X100.25R4	X100.25D4
1000	25	6	9	X100.25B6	X100.25P6	X100.25R6	X100.25D6
600	32	2	2	X60.32B2	X60.32P2	X60.32R2	X60.32D2
600	32	4	4	X60.32B4	X60.32P4	X60.32R4	X60.32D4
600	32	6	6	X60.32B6	X60.32P6	X60.32R6	X60.32D6
1000	32	2	3	X100.32B2	X100.32P2	X100.32R2	X100.32D2
1000	32	4	6	X100.32B4	X100.32P4	X100.32R4	X100.32D4

Notes:

*1 The ratings stated are DC21 ratings according to the IEC60947-1/3 standard.
Switches with combined DC and AC poles are also available.

*2 The number of main poles without auxiliary contacts.

*3 With the total number of layers "H", the total height of the switch can be determined. See drawings on page 6.

Auxiliary contacts

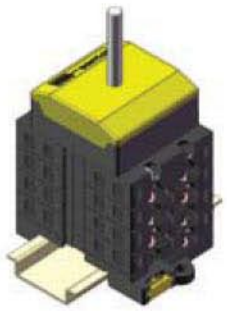
For position indication or for motor driven switches auxiliary contacts are available.

The auxiliary contacts are rated 16A at 250V AC and DC.

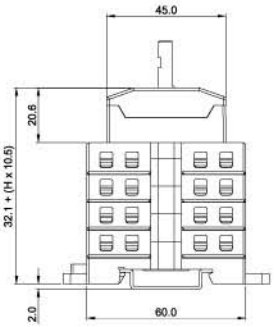
Add one extra layer for every auxiliary contact to determine the height of the switch.

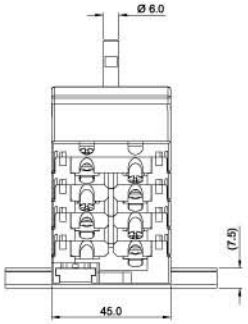
JD Auspice CO.,Ltd. Tel: 02-2595-9780 Fax: 02-2595-9412 Mail: jd.auspice@msa.hinet.net Web: http://www.jdauspice.com

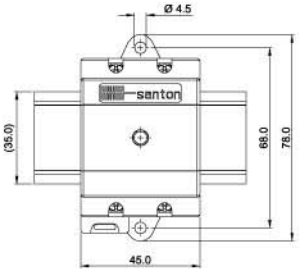
TYPES & MEASURES



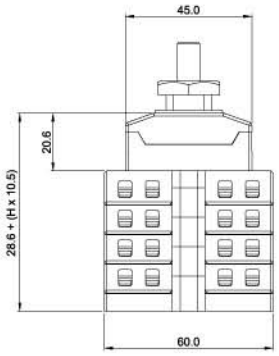
Din Rail Type **[B]**

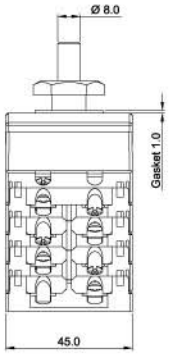


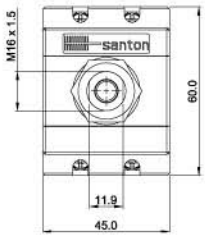


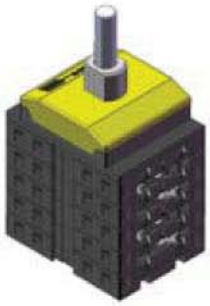


Single Hole Mounting **[P]**

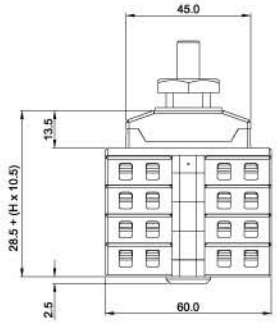


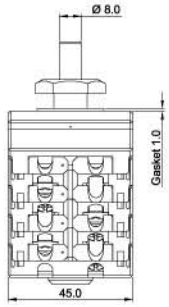


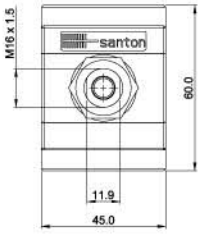




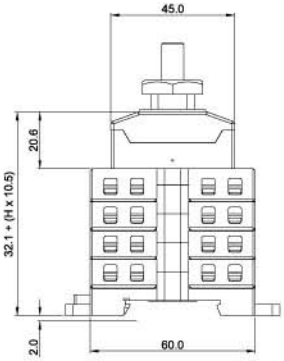
Single Hole Mounting
Reversed Contacts **[R]**

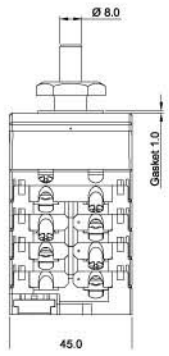


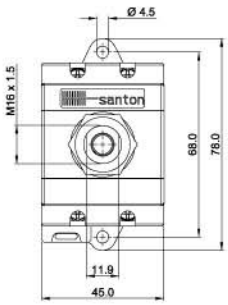




Single Hole Mounting and
Din Rail Clip **[D]**





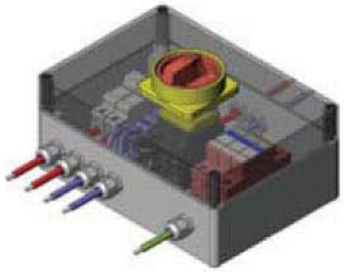


JD Auspice CO.,Ltd. Tel: 02-2595-9780 Fax: 02-2595-9412 Mail: jd.auspice@msa.hinet.net Web: http://www.jdauspice.com

FLEXIBILITY

The dual column switch can be a solution when the available space is limited. This can be the case with multipole switches, for example a 6-pole, 16Amp/1000V switch. Also to assemble a switch with substantially more poles in combination with high currents the dual column switch can be assembled with a larger operating mechanism, this is the case for a 6-pole, 30Amp/1000V switch.

The motor driven switch can be used for remote switching on and off by means of a central control unit. Also, the motor driven switch can be operated by means of a local electronic (measurement) device near to the switch (for example the Santon earth fault detection unit), or by means of a local electric switching device (e.g. relays). For maintenance purposes, the motor driven switch can also be operated manually.



Santon can assemble complete solutions on request, assembled using standard or tailor made components such as, fuse holders, overvoltage protection units, spring terminals, motor drives (for switches), electronic earth fault detection units, PLC's, enclosures, etc.

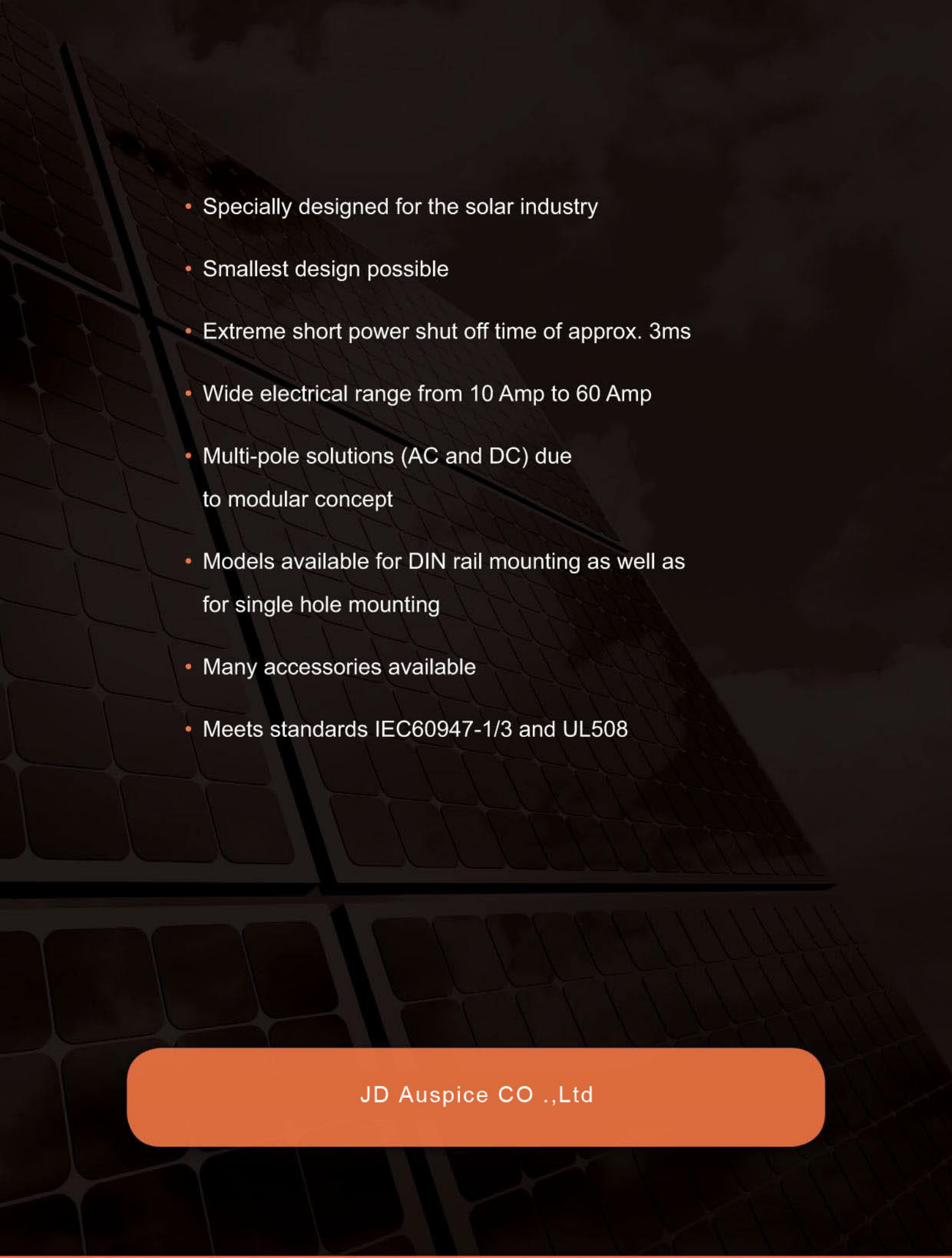
Standard black knob

Padlockable knob for single hole mounting switch

Padlockable interlock knob for Bottom mounting

Changes, errors and misprints reserved.

JD Auspice CO.,Ltd. Tel: 02-2595-9780 Fax: 02-2595-9412 Mail: jd.auspice@msa.hinet.net Web: http://www.jdauspice.com



- Specially designed for the solar industry
- Smallest design possible
- Extreme short power shut off time of approx. 3ms
- Wide electrical range from 10 Amp to 60 Amp
- Multi-pole solutions (AC and DC) due to modular concept
- Models available for DIN rail mounting as well as for single hole mounting
- Many accessories available
- Meets standards IEC60947-1/3 and UL508

JD Auspice CO .,Ltd

JD Auspice CO.,Ltd. Tel: 02-2595-9780 Fax: 02-2595-9412 Mail: jd.auspice@msa.hinet.net Web: http://www.jdauspice.com