

## Switches & Push-buttons

### Aster

### Applications



Switching of lighting and heating in homes, shops, offices, warehouses, factories, hospitals, etc.

### Features

Wide range with respect to available contact combinations and switching capacity. Mains disconnect switches and switches with change-over contact and off position available.

Compact (4-pole in 1 module) with high switching capacity due to double interruption per path.

All switches are sealable through padlock or by means of a lock.

The terminals are equipped with captive Pozidriv screws and have IP20 protection degree.

Mains disconnect switches accepts auxiliary contacts CA.

### Standards

<b>Switches</b>	BS EN 60669-1
<b>16/32A</b>	VDE 0632 Part 1
<b>Mains disconnect switches 40-100</b>	BS EN 60947-3
	VDE 0632 Part 101
<b>Rotary switches</b>	BS EN 60947-3

### Function

Manual control of all kinds of electrical devices.

### Approvals<sup>(1)</sup>



(1) Depending on type.

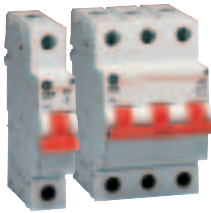






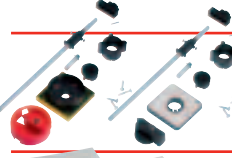

### Performance

	Push-buttons	Switches	Rotary switches	Mains disconnect switches
<b>Nominal rated current</b>	16A	16A   32A	32-40-63A	40-63-80-100A
Usable as mains disconnect switch	no	no	yes	yes
Nominal breaking capacity at 415V, cos $\Phi$ =0.95	-	1.25xIn	8xIn	3xIn
Nominal breaking capacity at 415V, cos $\Phi$ =0.65	-	-	8xIn	3xIn
Nominal voltage single pole devices	240V	240V	-	240/415V
Nominal voltage multipole devices	-	415V	240/415V	240/415V
Maximum allowed current during less than 1 s.	-	-	-	2kA
Mechanical service life (complete on-off-cycle)	>20000	>20000	>10000	>20000
Electrical service life, cos $\Phi$ = 0.95, Un and In	>20000	>20000   >5000	>1500	>1500
Short-circuit resistance with upfront fuses Gg/gL 100A (nominal)	4.5kA (nominal)	4.5kA (nominal)	15kA (nominal)	16kA (nominal)
(peak)	3kA (peak)	3kA (peak)	10kA (peak)	7kA (peak)
Protection degree	IP20	IP20	IP20	IP20
Screws	Pozidriv 1	Pozidriv 1	Pozidriv 2	Pozidriv 2
Terminal capacity: min	1x1.5mm <sup>2</sup>	1x1.5mm <sup>2</sup>	1x2.5mm <sup>2</sup>	1x6mm <sup>2</sup>
max	1x10mm <sup>2</sup>	1x10mm <sup>2</sup>	1x25mm <sup>2</sup>	1x50mm <sup>2</sup>

- Auxiliary contacts ● pg. C.4
- More technical data ● website
- Dimensions ● pg D.42



### Aster - Switches & push-buttons

	Nominal current	Contact combination	Number of modules	Cat. No.	Ref. No.	Pack.	
<b>Mains disconnect switch</b> 	40A/240V	1NO	1	AST M 40 10	666614	12	
	40A/415V	2NO	2	AST M 40 20	666615	6	
	40A/415V	3NO	3	AST M 40 30	666616	4	
	40A/415V	4NO	4	AST M 40 40	666617	3	
	63A/240V	1NO	1	AST M 63 10	666562	12	
	63A/415V	2NO	2	AST M 63 20	666563	6	
	63A/415V	3NO	3	AST M 63 30	666564	4	
	63A/415V	4NO	4	AST M 63 40	666565	3	
	80A/240V	1NO	1	AST M 80 10	666566	12	
	80A/415V	2NO	2	AST M 80 20	666567	6	
	80A/415V	3NO	3	AST M 80 30	666568	4	
	80A/415V	4NO	4	AST M 80 40	666569	3	
	100A/240V	1NO	1	AST M 100 10	666558	12	
	100A/415V	2NO	2	AST M 100 20	666559	6	
100A/415V	3NO	3	AST M 100 30	666560	4		
100A/415V	4NO	4	AST M 100 40	666561	3		
<b>Rotary switch</b> 	32A/415V	2NO	4	AST R 32 20	666574	1	
	32A/415V	3NO	4	AST R 32 30	666575	1	
	32A/415V	3NO+NC	4	AST R 32 3N	666576	1	
	32A/415V	4NO	4	AST R 32 40	666577	1	
	40A/415V	2NO	4	AST R 40 20	666578	1	
	40A/415V	3NO	4	AST R 40 30	666579	1	
	40A/415V	3NO+NC	4	AST R 40 3N	666580	1	
	40A/415V	4NO	4	AST R 40 40	666581	1	
	63A/415V	2NO	4	AST R 63 20	666582	1	
	63A/415V	3NO	4	AST R 63 30	666583	1	
	63A/415V	3NO+NC	4	AST R 63 3N	666584	1	
	63A/415V	4NO	4	AST R 63 40	666585	1	
<b>Changeover switches</b> 	16A/240V	1NO	1	AST S 16 10	666587	12	
	16A/415V	2NO	1	AST S 16 20	666589	12	
	16A/415V	3NO	1	AST S 16 30	666590	12	
	16A/415V	4NO	1	AST S 16 40	666593	12	
	16A/415V	3NO	2	AST S 16 30 2	666591	6	
	16A/415V	4NO	2	AST S 16 40 2	666592	6	
	16A/240V	1CO	1	AST S 16 1	666586	12	
	16A/240V	2CO	1	AST S 16 2	666588	12	
	32A/240V	1NO	1	AST S 32 10	666595	12	
	32A/415V	2NO	1	AST S 32 20	666597	12	
	32A/415V	3NO	1	AST S 32 30	666599	12	
	32A/415V	4NO	1	AST S 32 40	666600	12	
	32A/415V	3NO	2	AST S 32 30 2	666598	6	
	32A/415V	4NO	2	AST S 32 40 2	666601	6	
	32A/240V	1CO	1	AST S 32 1	666594	12	
	32A/240V	2CO	1	AST S 32 2	666596	12	
	<b>Switch with signal lamp</b> 	16A/240V	1NO	1	AST SL 16 10	666602	12
		16A/240V	2NO	1	AST SL 16 20	666603	12
32A/240V		1NO	1	AST SL 32 10	666604	12	
32A/240V		2NO	1	AST SL 32 20	666605	12	
<b>Changeover switches with zero position</b> 	16A/240V	1CO	1	AST SZ 16 1	666606	12	
	16A/240V	2CO	1	AST SZ 16 2	666607	12	
	32A/240V	1CO	1	AST SZ 32 1	666608	12	
	32A/240V	2CO	1	AST SZ 32 2	666609	12	
<b>Push-button</b> 	16A/240V	1NC	1	AST P 16 01	666570	12	
	16A/240V	1NO	1	AST P 16 10	666571	12	
	16A/240V	1NO+1NC	1	AST P 16 11	666572	12	
<b>Push-button with signal lamp</b> 	16A/240V	1NO	1	AST PL 16 10	666573	12	
<b>Accessories for rotary switches</b>							
<b>Extension shaft</b> 	238 mm with emergency handle			AST R ES E	666555	1	
	238 mm with standard handle			AST R ES S	666556	1	
<b>Sealing piece</b> 			4	AST R TS	666557	1	

Aster

A

B

C

D

E

F

G

X





## Indication lamps

### Aster

#### Function

Status visualisation.

#### Applications



Mainly used to visualise the status of a (sub)part of the installation, heater, motor, fan, pump etc.

#### Features

Available in different voltages and with different coloured lenses.

### Performance

Nominal voltage	12V	24V	230V
Own consumption	120mA	85mA	2.2mA
Lamp	Incandescent lamp	Incandescent lamp	Neon lamp
Lens colours	Red, green, orange and transparent	Red, green, orange and transparent	Red, green, orange and transparent
Protection degree	IP20	IP20	IP20
Screws	Pozidriv 1	Pozidriv 1	Pozidriv 1
Terminal capacity: min	1x1.5mm <sup>2</sup>	1x1.5mm <sup>2</sup>	1x1.5mm <sup>2</sup>
max	1x10mm <sup>2</sup> / 2x4mm <sup>2</sup>	1x10mm <sup>2</sup> / 2x4mm <sup>2</sup>	1x10mm <sup>2</sup> / 2x4mm <sup>2</sup>



## Socket-outlets

### MSC

#### Standards

BS EN C61112-1, NF C61-303 (86), IEC 60884-1

#### Approvals<sup>(1)</sup>




(1) Depending on type.

#### Performance



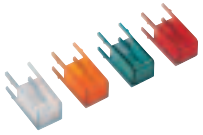
Nominal current	16A
Nominal voltage	250V
Operating temperature	-20 ... +55°C
Protection degree	IP20
Screws	Pozidriv 2
Terminal capacity: min	1x1 mm <sup>2</sup>
max	1x6 mm <sup>2</sup> or 2x2.5 mm <sup>2</sup>

More technical data ● website  
Dimensions ● pg D.43



### Aster - Indication lamp

	Nominal operating voltage	Colour	Number of modules	Cat. No.	Ref. No.	Pack.
 Lampholder	-	-	1	AST B	666347	12

### Accessories

	Nominal operating voltage	Colour	Number of modules	Cat. No.	Ref. No.	Pack.
 Lamp	12V	-	-	AST B 12	666340	12
	24V	-	-	AST B 24	666342	12
	230V	-	-	AST B 230	666341	12
 Lamp LED E10	235V ~/=	Green	-	AST LG 230V	666876	10
	235V ~/=	Amber	-	AST LA 230V	666874	10
	235V ~/=	Red	-	AST LR 230V	666877	10
	235V ~/=	Blue	-	AST LB 230V	666875	10
	235V ~/=	White	-	AST LW 230V	666878	10
 Lens	-	Transparent	-	AST L CL	666343	12
	-	Green	-	AST L GN	666344	12
	-	Orange	-	AST L OR	666345	12
	-	Red	-	AST L RD	666346	12

### MSC - Socket-outlets

	Nominal current	Nominal voltage	Number of modules	Cat. No.	Ref. No.	Pack.
 Edged with child protection	16A	250V	2.5	MSC SEP	666501	4
	16A	250V	2.5	MSC SE	666499	4
 Pin with child protection	16A	250V	2.5	MSC SPP	666502	4

Aster and MSC

A

B

C

D

E

F

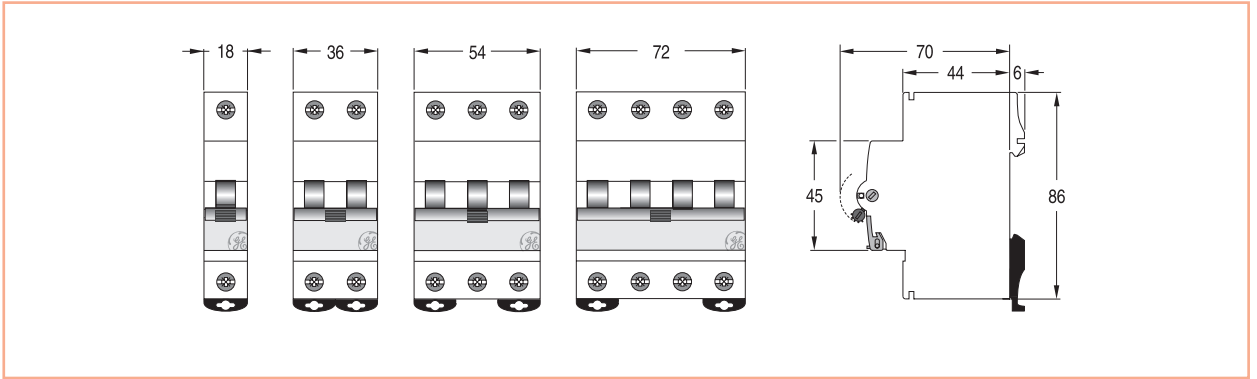
G

X

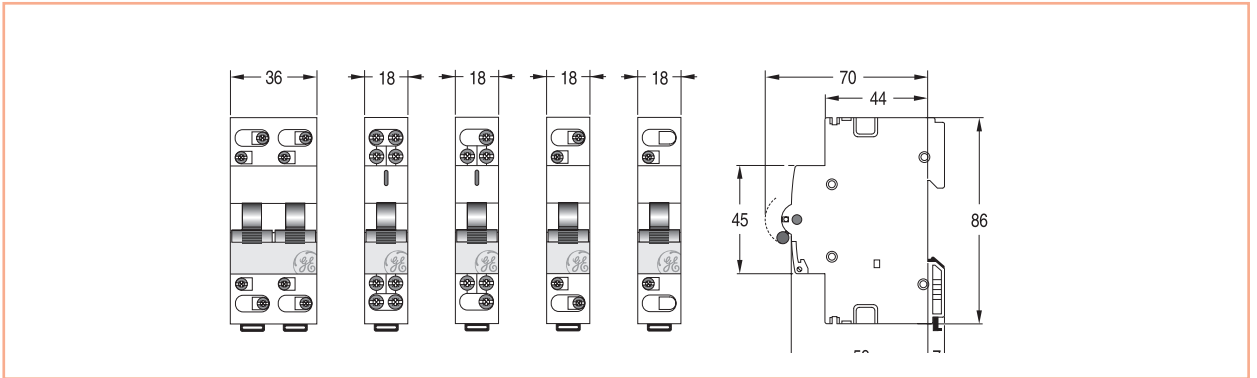


Dimensional drawings

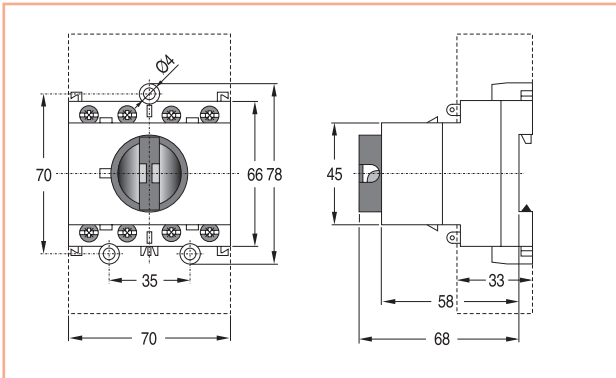
Mains disconnect switches - Aster



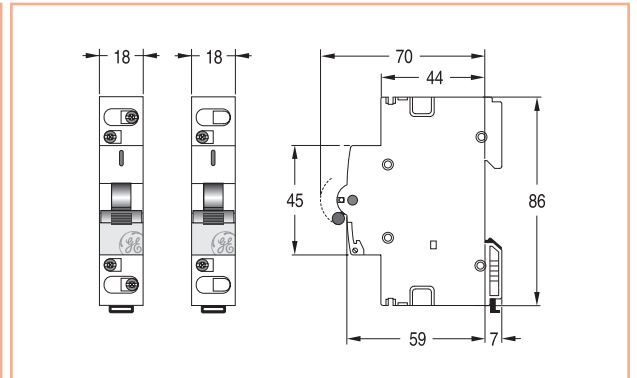
Switches - Aster



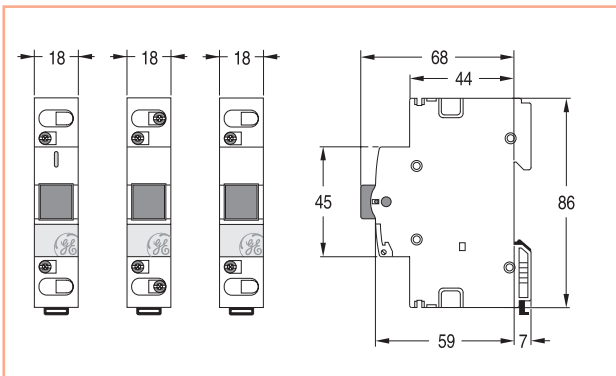
Rotary switches - Aster



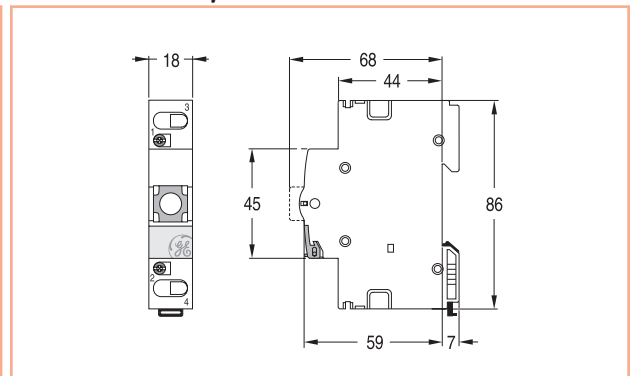
Switches with signal lamp - Aster



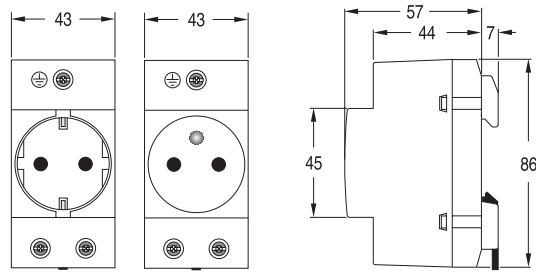
Push-buttons - Aster



Indication lamp - Aster



Socket-outlet - Series MSC



Dimensional drawings

A

B

C

D

E

F

G

X