

# ATX™ SWE Series 16 and 20 Amp Switches, Circuit Breakers, and “Break Glass” Call Points

## Increased Safety

### ATEX:

- Zone 1 and 2 - 21 and 22  
II 2 GD  
IP66 - IK09 or IK10

### Applications

- Designed to prevent operation in explosive atmospheres during connect and disconnect operation of lighting and light power loads.
- For use in hazardous areas where ignitable vapors, gases or highly combustible dusts are present.
- For installation in chemical and petrochemical plants, refineries and other process industries.

### Features

- Available up to 690 Volts, and up to 20 Amps
- 16 Amp version:
  - Two bottom M20 clearance holes.
  - Switch mechanism fixed at the bottom of the box.
  - Termination:
    - Type 1: 2.5 mm<sup>2</sup> (0.004 in<sup>2</sup>)
    - Type 2: 2.5 mm<sup>2</sup> (0.004 in<sup>2</sup>) flexible, 4 mm<sup>2</sup> (0.006 in<sup>2</sup>) solid
  - Internal earth:
    - 2 x 2.5 mm<sup>2</sup> (0.004 in<sup>2</sup>) terminals
  - Supplied with:
    - 1 x white self-adhesive laminated plastic label with black lettering – 58 mm x 18 mm (2.28” x 0.71”)
- 20 Amp version:
  - Two M20 threaded entries on the bottom of the box.
  - Switch mechanism fixed on the bottom of the box.
  - Padlockable handle in position 0 using maximum 4 padlocks
    - maximum handle diameter 8 mm (0.315”) and minimum 15 mm (0.59”) length.
  - Termination:
    - 2.5 mm<sup>2</sup> (0.004 in<sup>2</sup>) flexible/4 mm<sup>2</sup> (0.006 in<sup>2</sup>) solid
  - Internal earth:
    - 2 x 4 mm<sup>2</sup> (0.006 in<sup>2</sup>) terminals
  - Supplied with:
    - 1 x yellow self-adhesive laminated plastic label with black lettering – 65 mm x 18 mm (2.56” x 0.71”)

### Standard Materials

- 16 Amp version
  - Box: polyamide
  - Screws: A2 stainless steel
  - Cable glands: polyamide
  - Locknuts: nickel plated brass
- 20 Amp version
  - Box: polyamide
  - Screws: A2 stainless steel
  - Cable glands: polyamide

### ATEX Certifications and Compliances

- Certification Type PCe
  - Gas: Zone 1 and 2
    - Conforming to ATEX 94/9/CE: II 2 G
    - Type of Protection: Ex de IIC
    - Temperature Class: T6
  - Dust: Zone 21 and 22
    - Conforming to ATEX 94/9/CE: II 2 D
    - Type of Protection: Ex tD A21
    - Surface Temperature: T80 °C (T176 °F)
    - Ambient Temperature: -20 °C to +40 °C (-4 °F to +104 °F)
- CE Declaration of Conformity: 50221
- ATEX Certificate: LCIE 00 ATEX 60472
- Index of Protection according EN/IEC 60529: IP66



16 A Version – Type 1



16 A Version – Type 2



20 A Version

### EURASEC Certification

- Certification Type PCe
  - EURASEC RU C-FR. Г505.B.00911

### Other Certification ①

- Certification Type PCe
  - INMETRO Certificate: BVC 11.0640-X

① INMETRO certification available on special request only. Contact your local sales representative for more information.

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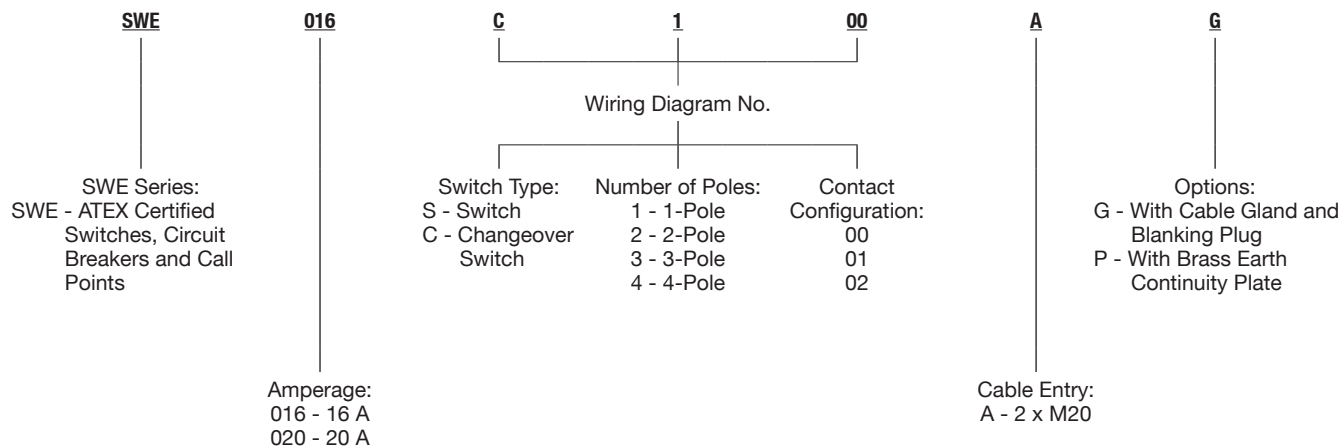
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### Catalog Numbering Guide



CONTROLIN: ATEX/IECEX INCREASED SAFETY CALL POINTS STATIONS AND AUDIO SIGNALING DEVICES

Switch Type	Wiring Diagram No.	Type	Weight kg (lb)	Volume dm <sup>3</sup> (in <sup>3</sup> )	Catalog Number
<b>16 Amp Switch – Type 1 – Padlockable handle – Two M20 polyamide cable glands (cable dia. 6.5 to 14.5 mm) on the bottom</b>					
Changeover switch	C101	1	0.53 (1.17)	2 (122.05)	<b>SWE016C101AG</b>
2-pole	S201	1	0.53 (1.17)	2 (122.05)	<b>SWE016S201AG</b>
<b>16 Amp Twist Button - Type 2 – Non-padlockable handle – Two M20 clearance holes on the bottom</b>					
Changeover switch	C100	2	0.50 (1.10)	2 (122.05)	<b>SWE016C100A</b>
2-pole	S200	2	0.50 (1.10)	2 (122.05)	<b>SWE016S200A</b>
<b>20 Amp Switch – Padlockable handle – Two M20 polyamide cable glands (cable dia. 6.5 to 14.5 mm) on the bottom</b>					
Changeover switch	C100	–	1 (2.20)	2 (122.05)	<b>SWE020C100AG</b>
2-pole	S202	–	1 (2.20)	2 (122.05)	<b>SWE020S202AG</b>
3-pole	S301	–	1 (2.20)	2 (122.05)	<b>SWE020S301AG</b>
4-pole	S401	–	1 (2.20)	2 (122.05)	<b>SWE020S401AG</b>



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Main Contacts	16 Amps Type 1	16 Amps Type 2	20 Amps
Rated Insulation Voltage	750 V	500 V	500 V
Rated Operating Voltage	690 Vac/110 Vdc	500 V	500 V
Rated Operating Current	16 Amp	16 Amp	20 Amp
<b>Switching Capacity</b>			
AC 1	16 Amp, 690 V	16 Amp, 500 V	—
AC 12	—	16 Amp, 400 V	—
AC 14	—	10 Amp, 400 V	—
AC 15	16 Amp, 415 V	6 Amp, 500 V	—
AC 21	—	—	16 Amp, 500 V
AC 23	—	—	16A mp, 400 V
AC 3	08 Amp, 500 V	—	—
AC 3	04 Amp, 690 V	—	—
DC 1	10 Amp, 24 V	—	—
DC 1	06 Amp, 60 V	—	—
DC 1	06 Amp, 110 V ①	—	—
DC 13	—	1 Amp, 110 V	—
DC 13	—	2 Amp, 24 V	—
Termination (flexible/solid)	2.5 mm <sup>2</sup> /4 mm <sup>2</sup> (0.004 in <sup>2</sup> /0.006 in <sup>2</sup> )	2.5 mm <sup>2</sup> (0.004 in <sup>2</sup> )	2.5 mm <sup>2</sup> /4 mm <sup>2</sup> (0.004 in <sup>2</sup> /0.006 in <sup>2</sup> )

Switching Arrangement  
X Denotes “Closed Contact”

### 16 Amp Switch C101

Positions	Contacts	
	11–12	23–24
0	X	
1		X

### S201

Positions	Contacts	
	13–14	23–24
0		
1	X	X

### 16 Amp Twist Button C100

Positions	Contacts	
	1–2	3–4
0	X	
1		X

### S200

Positions	Contacts	
	3–4	3–4
0		
1	X	X

### 20 Amp Switch C100

Positions	Contacts	
	1–2	3–4
0	X	
1		X

### S202

Positions	Contacts	
	1–2	3–4
0		
1	X	X

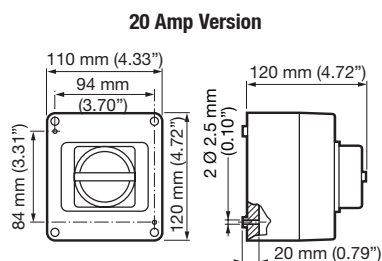
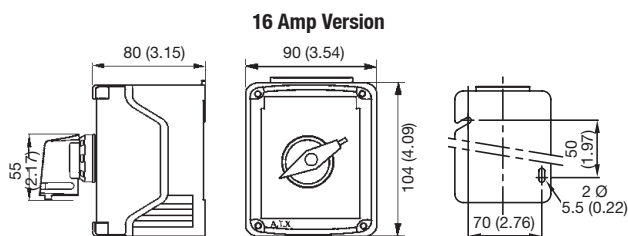
### S301

Positions	Contacts		
	1–2	3–4	5–6
0			
1	X	X	X

### S401

Positions	Contacts			
	1–2	3–4	5–6	7–8
0				
1	X	X	X	X

## Dimensions in Millimeters (Inches)



① 2 contacts connected in series.