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
Ⓔx 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^2 (0.004 in^2)
    - – Type 2: 2.5 mm^2 (0.004 in^2) flexible, 4 mm^2 (0.006 in^2) solid
  - — Internal earth:
    - – 2 x 2.5 mm^2 (0.004 in^2) 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^2 (0.004 in^2) flexible/4 mm^2 (0.006 in^2) solid
  - — Internal earth:
    - – 2 x 4 mm^2 (0.006 in^2) 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: Ⓔx II 2 G
    - – Type of Protection: Ex de IIC
    - – Temperature Class: T6
  - — Dust: Zone 21 and 22
    - – Conforming to ATEX 94/9/CE: Ⓔx II2 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. ГБ05.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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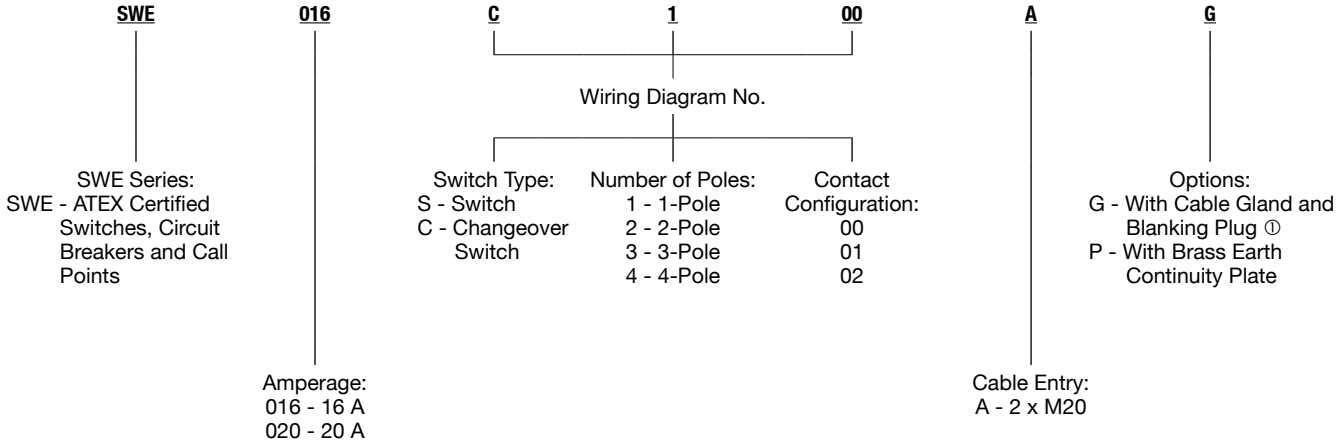
Catalog Numbering Guide



Switch Type	Wiring Diagram No.	Type	Weight kg (lb)	Volume dm^3 (in^3)	Catalog Number
16 Amp Switch — Type 1 — Padlockable handle — One M20 polyamide cable gland (cable O.D. 6.5mm to 14.5 mm) and blanking plug on bottom					
Changeover switch	C101	1	0.53 (1.17)	2 (122.05)	**SWE016C101AG**
2-pole	S201	1	0.53 (1.17)	2 (122.05)	**SWE016S201AG**
16 Amp Twist Button - Type 2 — Non-padlockable handle — Two M20 clearance holes on the bottom					
Changeover switch	C100	2	0.50 (1.10)	2 (122.05)	**SWE016C100A**
2-pole	S200	2	0.50 (1.10)	2 (122.05)	**SWE016S200A**
20 Amp Switch — Padlockable handle — One M20 polyamide cable gland (cable O.D. 6.5mm to 14.5 mm) and blanking plug on bottom					
Changeover switch	C100	—	1 (2.20)	2 (122.05)	**SWE020C100AG**
2-pole	S202	—	1 (2.20)	2 (122.05)	**SWE020S202AG**
3-pole	S301	—	1 (2.20)	2 (122.05)	**SWE020S301AG**
4-pole	S401	—	1 (2.20)	2 (122.05)	**SWE020S401AG**

① *Please refer to the Ex e Series Polyamide Cable Glands catalog pages for Weatherproof IP68 and Polyamide cable glands. Glands may not be substituted on standard switch assemblies and must be ordered separately.*

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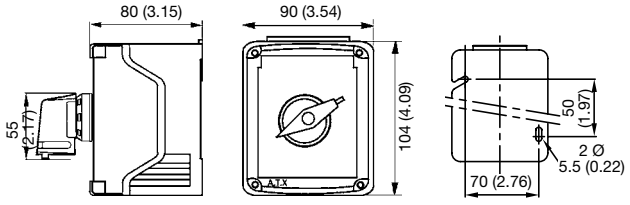
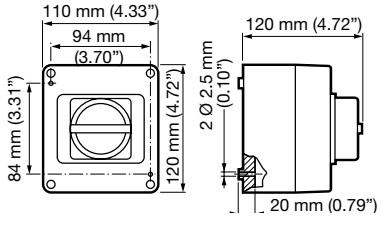
Main Contacts	16 Amps Type 1	16 Amps Type 2	20 Amps
Rated Insulation Voltage	750 V	500 V	500 V
Rated Operating Voltage	690 Vac/110 Vdc	500 V	500 V
Rated Operating Current	16 Amp	16 Amp	20 Amp
Switching Capacity			
AC 1	16 Amp, 690 V	16 Amp, 500 V	—
AC 12	—	16 Amp, 400 V	—
AC 14	—	10 Amp, 400 V	—
AC 15	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^2/4 mm^2 (0.004 in^2/0.006 in^2)	2.5 mm^2 (0.004 in^2)	2.5 mm^2/4 mm^2 (0.004 in^2/0.006 in^2)

Dimensions in Millimeters (Inches)

16 Amp Version



20 Amp Version



① *2 contacts connected in series.*

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