

# Control Stations & Switches: Switches, Circuit Breakers and "Break Glass" Call Points

## SWE Series: 16 and 20 A Switches – Increased Safety

Zone 1 & 2 - 21 & 22

II 2 GD

ATEX / IEC

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:

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>
  - Type 2: 2.5 mm<sup>2</sup> flexible/4 mm<sup>2</sup> solid
- Internal earth:
  - 2 x 2.5 mm<sup>2</sup> terminals
- Supplied with:
  - 1 x white self-adhesive laminated plastic label with black lettering (58 x 18 mm)

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 dia. 8 mm and minimum 15 mm length).
- Termination:
  - 2.5 mm<sup>2</sup> flexible / 4 mm<sup>2</sup> solid
- Internal earth:
  - 2 x 4 mm<sup>2</sup> terminals
- Supplied with:
  - 1 x yellow self-adhesive laminated plastic label with black lettering (65 x 18 mm)

### Standard Material of Fixtures:

16 Amp version:

- Polyamide box.
- A2 stainless steel coarse pitch screws (1 and a half turn).
- Polyamide cable glands.
- Nickel plated brass locknuts.

20 Amp version:

- Polyester box
- A2 stainless steel captive screws.
- Polyamide cable glands.

### Catalog Number Logic:

SWE	XX	XXXX	X	X
Series:	Amperage:	Wiring Diagram No.	Cable Entry:	
SWE = SWE Series	016 = 16 A		A = 2 x M20	
Zone 1, 2 – 21, 22	020 = 20 A			
ATEX / IEC Certified				
	Switch Type:	Number of Poles:	Contact Configuration:	Options:
	S = Switch	1 = 1-Pole 3 = 3-Pole	00	G = With Polyamide Cable Gland
	C = Changeover-Switch	2 = 2-Pole 4 = 4-Pole	01	P = With Brass Earth Continuity Plate
			02	

### Ordering Information:

#### 16 A Switch - Type 1

Padlockable handle.

Two M20 polyamide cable glands (cable dia. 6.5 to 14.5 mm) on the bottom.

Switch Type	Wiring Diagram No.	Type	Weight (kg)	Volume (dm <sup>3</sup> )	Catalog Number	Old Catalog Number
Changeover switch	C101	1	0.53	2.00	SWE016C101AG	098614
2-pole	S201	1	0.53	2.00	SWE016S201AG	098608

#### 16 A Twist Button - Type 2

Non-padlockable handle.

Two M20 clearance holes on the bottom.

Switch Type	Wiring Diagram No.	Type	Weight (kg)	Volume (dm <sup>3</sup> )	Catalog Number	Old Catalog Number
Changeover switch	C100	2	0.50	2.00	SWE016C100A	098631
2-pole	S200	2	0.50	2.00	SWE016S200A	098632

#### 20 A Switch

Padlockable handle.

Two M20 polyamide cable glands (cable dia. 6.5 to 14.5 mm) on the bottom.

Switch Type	Wiring Diagram No.	Weight (kg)	Volume (dm <sup>3</sup> )	Catalog Number	Old Catalog Number
Changeover switch	C100	1.00	2.00	SWE020C100AG	096250
2-pole	S202	1.00	2.00	SWE020S202AG	096251
3-pole	S301	1.00	2.00	SWE020S301AG	096260
4-pole	S401	1.00	2.00	SWE020S401AG	096261

### Switching Arrangement:

#### 16 A Switch

C101	Contacts	S201	Contacts
Positions	11-12 23-24	Positions	13-14 23-24
0	X	0	
1	X	1	X X

#### 16 A Twist Button

C100	Contacts	S200	Contacts
Positions	1-2 3-4	Positions	3-4 3-4
0	X	0	
1	X	1	X X

#### 20 A Switch

C100	Contacts	S202	Contacts
Positions	1-2 3-4	Positions	1-2 3-4
0	X	0	
1	X X	1	X X

S301	Contacts
Positions	1-2 3-4 5-6
0	
1	X X X

X Closed contact

S401	Contacts
Positions	1-2 3-4 5-6 7-8
0	
1	X X X X