

# Unicode® 2 Series 16 Amp Switches

## Components for Increased Safety Enclosures

### Features

- Two contact switches
  - ATEX and IECEx certified.
  - 1 to 4 pole switches.
  - TS35 rail mounted.
  - Panel mounted.
- Three or four contact switches
  - Padlockable.
  - Can be equipped with switch and changeover switch contact blocks.
  - ATEX and IECEx certified.
- Switching capacity:
  - AC12: 16 Amp/400 Vac
  - AC14: 10 Amp/400 Vac
  - AC15: 6 Amp/500 Vac
  - DC13: 2 Amp/24 Vdc and 1 Amp/110 Vdc
- Terminal connection: 0.004 in<sup>2</sup>/2.5 mm<sup>2</sup>.
- Operational life: 100,000 hours.

### Standard Materials

- Body: polyamide
- Two contact switches sealing material: neoprene

### Certifications and Compliances

- Switches: Certification Type 8008/2
  - Gas: Zone 1 and 2
    - Conforming to ATEX 94/9/CE: 0102 Ⓔ II 2 G
    - ATEX/IEC Protection: Ex de IIC
  - Dust: Zone 21 and 22
    - Conforming to ATEX 94/9/CE, ATEX/IEC Protection: authorized to be used in an approved dustproof enclosure
  - Surface Temperature: -67 °F/-55 °C to +212 °F/+100 °C
  - CE Declaration of Conformity: 5C243
  - ATEX Certificate: PTB 00 ATEX 1111U
  - IEC Certificate: IECEx PTB 06.0010U
- Other Certifications: CSA, UL, FM
- Handles: Certification Type AUXe
  - Gas: Zone 1 and 2
    - Conforming to ATEX 94/9/CE: 0081 Ⓔ II 2 G
    - ATEX/IEC Protection: Ex e IIC
  - Dust: Zone 21 and 22
    - Conforming to ATEX 94/9/CE: 0081 Ⓔ II 2 D
    - ATEX/IEC Protection: Ex tD A21
  - Surface Temperature: -4 °F/-20 °C to +167 °F/+75 °C
  - CE Declaration of Conformity: 5C221
  - ATEX Certificate: LCIE 03 ATEX 0012U
  - IEC Certificate: LCIE Ex 03.011U
- Other Certifications: GOST
- Ex standards :EN/IEC 60079-0; 60079-7; 61241-0; 61241-1
- Product Standards: EN/IEC 60947-1; 60947-4; 60947-5
- Other standards: EN/IEC 60529 (IP); 62262 (IK)



**US30R**  
(rail mounted contacts)



**US30P**  
(panel mounted contacts)



**USH2R**  
(rail mounted contacts)



**USH2P/USH3P/USH4P**  
(panel mounted contacts)

# Unicode® 2 Series 16 Amp Switches

## Components for Increased Safety Enclosures

			Catalog Number		
Wiring Diagram			Pack	Rail Mounted	Panel Mounted
Two Contact Switches (handle to be ordered separately)					
2-pole switch	002		1	US32R	US32P
2 ways 1-pole Selector switch	016		1	US30R	US30P
3 ways 1-pole Selector switch	027		1	US31R	US31P
3 ways 1-pole Selector switch with spring return from 135° to 90°	038		1	US33R	US33P
3 ways 1-pole Selector switch with spring return from 45° to 90°	048		1	US34R	US34P
Padlockable handle			1	USH2R	USH2P
Three or Four Contact Switches (handle to be ordered separately)					
4-pole switch	102 †		1	US35R	US35P
3 ways 2-pole Selector switch	119 †		1	US36R	US36P
2 ways 2-pole Selector switch	106 †		1	US37R	US37P
3 ways 2-pole — Late break, early make Selector switch with spring return from 45° to 90°	138 †		1	US38R	US38P
3 ways 2-pole — Late break, early make Selector switch with spring return from 135° to 90°	197 †		1	US39R	US39P
Padlockable handle for rail mounted			1	USH2R	—
Padlockable handle for panel mounted ECES Series stainless steel enclosures			1	—	USH3P
Padlockable handle for panel mounted ECEP and ECEA Series polyester or aluminum enclosures			1	—	USH4P

### Dimensions in Inches/Millimeters

Technical drawing of a changeover switch showing top and side views with dimensions A, B, C, and D. The top view shows a circular contact with a diameter of 0.18 inches (4.5 mm) and a mounting hole diameter of 1.89 inches (48 mm).

Changeover Switch/Switch

	A	B	C	D
2 Contacts	1.87/47.5	2.56/65.0	1.89/48.0	1.77/45.0
3 and 4 Contacts	2.38/60.5	2.87/73.0	1.89/48.0	1.77/45.0

Technical drawing of a USH2R switch showing side and front views with dimensions 0.47 inches (12 mm), 2.17 inches (55 mm), and 2.05 inches (52 mm).

USH2R

Technical drawing of USH2P/USH3P/USH4P switches showing side and front views with dimensions 1.50 inches (38 mm), 2.36 inches (60 mm), and 0.47 inches (12 mm). The top view shows a circular contact with a diameter of 0.18 inches (4.5 mm) and a mounting hole diameter of 1.89 inches (48 mm).

USH2P/USH3P/USH4P

† Factory configured contact arrangement.