

## WYŁĄCZNIKI NOŻNE

606.1900.062

Pedal nożny F1-SU2Z UN

- Wytrzymała konstrukcja
- IP65
- Ergonomiczny kształt
- Możliwość montażu przekaźników itp. pod osłoną



### OPIS PRODUKTU

|                                       |                                                                                                                             |
|---------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|
| Napięcie maksymalne                   | 500 V AC                                                                                                                    |
| Znamionowy prąd cieplny               | 10 A                                                                                                                        |
| Materiał osłony                       | Aluminium                                                                                                                   |
| Materiał wyłącznika nożnego           | Termoplast wzmocniony włóknem szklanym                                                                                      |
| Wejście kablowe, dwupedałowe          | 1 x M20 x 1.5                                                                                                               |
| Wejście kablowe, jednopedałowe        | 1 x M20 x 1.5                                                                                                               |
| Maksymalna częstotliwość przełączania | 3000/godzina                                                                                                                |
| Żywotność mechaniczna                 | 10 x 10 <sup>6</sup> operacji (bez obciążenia)                                                                              |
| Zakres temperatur                     | od -30 °C do +80 °C                                                                                                         |
| Certyfikaty                           | LVD zgodne z DIN EN 60947-1, 60947-5-1  |

#### Funkcje specjalne:

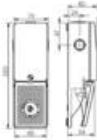
**Press-press (Y):** W momencie wciśnięcia wyłącznika, styk zostaje przełączony i pozostaje w tej pozycji po zwolnieniu pedału. Ponowne wciśnięcie wyłącznika powoduje powrót do stanu początkowego.

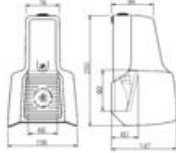
**Pressure point (D):** W momencie wciśnięcia wyłącznika, zostaje przełączona pierwsza para styków. W celu przełączenia drugiej pary styków należy mocniej wcisnąć przycisk.

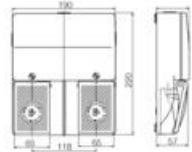
**Uwaga:** W przypadku bezpośredniego sterowania niebezpiecznymi ruchami maszyny, wymagany jest specjalny zestaw styków. W celu uzyskania informacji proszę kontaktować się z działem Maszyn w firmie OEM Automatic.

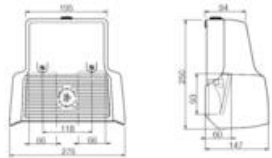
### WYMIARY

| Wersja | Wymiary                                                                             | Funkcje   | Nazwa  | Numer katalogowy |
|--------|-------------------------------------------------------------------------------------|-----------|--------|------------------|
|        |  | 1 NO+1 NC | F1-U1Z | 606.1100.005     |

|                                                                                                                                                                   |                                                                                   |                   |              |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------|--------------|
|   | 1 NO+1 NC<br>Press-Press                                                          | <b>F1-U1Y</b>     | 606.1100.001 |
|                                                                                                                                                                   |  | <b>F1-SU1MIRG</b> | 616.1300.327 |
|                                                                                                                                                                   |  | <b>F1-U2Z</b>     | 606.1200.003 |
|                                                                                                                                                                   | 2x(1 NO+1 NC)<br>Pressure point                                                   | <b>F1-U2Z D</b>   | 606.1200.007 |

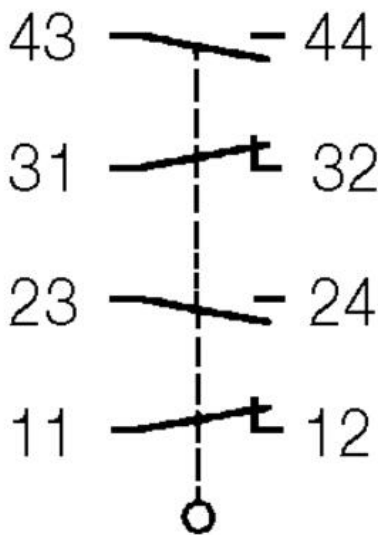
|                                                                                                                                                                     |                                                                                   |                      |              |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|----------------------|--------------|
|   | 1 NO+1 NC                                                                         | <b>F1-U1Z UN</b>     | 606.1600.006 |
|                                                                                                                                                                     | 1 NO+1 NC<br>Press-Press                                                          | <b>F1-U1ZY UN</b>    | 606.1600.002 |
|                                                                                                                                                                     |  | <b>F1-SU1MIRG UN</b> | 616.1800.328 |
|                                                                                                                                                                     |  | <b>F1-U2Z UN</b>     | 606.1700.004 |
|                                                                                                                                                                     | 2x(1 NO+1 NC)<br>Pressure point                                                   | <b>F1-U2ZD UN</b>    | 606.1700.008 |

|                                                                                                                                                                       |                                                                                     |                   |              |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------|--------------|
|   | 1 NO+1 NC                                                                           | <b>F2-U1Z/U1Z</b> | 606.2110.013 |
|                                                                                                                                                                       |  | <b>F2-U2Z/U2Z</b> | 606.2220.015 |

|                                                                                                                                                                         |                                                                                     |                      |              |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|----------------------|--------------|
|   | 1 NO+1 NC                                                                           | <b>F2-U1Z/U1Z UN</b> | 606.2610.014 |
|                                                                                                                                                                         |  | <b>F2-U2Z/U2Z UN</b> | 606.2720.016 |

| Order no.    | Description                                                 | E number    |
|--------------|-------------------------------------------------------------|-------------|
| 606.1100.005 | Single foot pedal F1-U1Z                                    | E 37 752 20 |
| 606.1100.001 | Single foot pedal F1-U1Y (with press-press)                 |             |
| 616.1300.327 | Single foot pedal F1-SU1 MI RG                              |             |
| 606.1200.003 | Single foot pedal F1-U2Z                                    | E 37 752 22 |
| 606.1200.007 | Single foot pedal F1-U2Z D (with pressure point)            |             |
| 606.1600.006 | Single foot pedal F1-U1Z UN (with hood)                     |             |
| 606.1600.002 | Single foot pedal F1-U1ZY UN (press-press with hood)        |             |
| 616.1800.328 | Single foot pedal F1-SU1 MI RG UN (potentiometer with hood) |             |
| 606.1700.004 | Single foot pedal F1-U2Z UN (with hood)                     | E 37 752 24 |
| 606.1700.008 | Single foot pedal F1-U2ZD UN (pressure point and hood)      |             |
| 606.2110.013 | Double foot pedal F2-U1Z/U1Z                                |             |





| Standard values for safety technology                              |          |
|--------------------------------------------------------------------|----------|
| WMD                                                                | 20 x 10° |
| 5 x 10° Restrictions in article designation "T" *                  |          |
| 2 x 10° Restrictions in article designation "Q" *                  |          |
| 4 x 10° Restrictions in article designation "E" *                  |          |
| 1 x 10° Restrictions in article designation "D" *                  |          |
| * Once a restriction exists, the lowest value needs to be applied. |          |

This technical data is generic to our standard foot switch range, please refer to individual technical data sheets for exact product information as the technical data above may vary.

| Standards                                      |  |
|------------------------------------------------|--|
| VDE 0660 1:100, DIN EN 60947-1, IEC 60947-1    |  |
| VDE 0660 7260, DIN EN 60947-5-1, IEC 60947-5-1 |  |

| Approvals*                                         |  |
|----------------------------------------------------|--|
| CE, ATEX, ATEX, Q100 (same polarity)               |  |
| UL, ENEC, IEC type designation "Q1"                |  |
| CCC (Only switches that have an appropriate label) |  |
| * Approvals depend on type.                        |  |
| More information can be found in the data sheet.   |  |

| Mechanical data                                         |                                                                                                   |
|---------------------------------------------------------|---------------------------------------------------------------------------------------------------|
| Enclosure                                               | Cast aluminium (powder-coated)                                                                    |
| Cover, Protective shroud UN                             | Cast aluminium (powder-coated)                                                                    |
| Foot pedal                                              | Thermoplastic                                                                                     |
| Operating temperature (with no icing / no condensation) | -30°C to +80°C, -20°C to +80°C in type designation "TX"                                           |
| Storage temperature                                     | -30°C to +80°C, -20°C to +80°C in type designation "TX"                                           |
| Mechanical service life                                 | > 1 x 10 <sup>6</sup> switching cycles when using switches with potentiometer 5 x 10 <sup>6</sup> |
| Switching frequency                                     | 50 min <sup>-1</sup> when using switches with potentiometer 20 min <sup>-1</sup>                  |
| Type of connection                                      | Screen connection (M12)                                                                           |
| Conductor cross sections                                | Single wire 0.5 - 1.5 mm <sup>2</sup> or stranded wire with ferrule 0.5 - 1.5 mm <sup>2</sup>     |
| Cable entry                                             | M20 x 1.5                                                                                         |
| Weight with cover                                       | F1 = 0.8 kg, F2 = 1.7 kg, F3 = 3.0 kg                                                             |
| Weight with protective shroud UN                        | F1 = 1.5 kg, F2 = 2.8 kg, F3 = 5.4 kg                                                             |
| Protection class                                        | Protection class depends on type. Standard is IP 65.                                              |