

## WYŁĄCZNIKI NOŻNE

606.2110.013

Wyłącznik nożny podwójny F2-U1Z/U1Z

- 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:

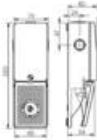
**Press-press (Y):** W momencie wciśnięcia wyłącznika, styk zostaje przełączony i pozostaje w tej pozycji po zwolnieniu pedału. Ponowne wciśnięcie wyłącznika powoduje powrót do stanu początkowego.

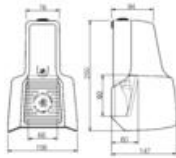
**Pressure point (D):** W momencie wciśnięcia wyłącznika, zostaje przełączona pierwsza para styków. W celu przełączenia drugiej pary styków należy mocniej wcisnąć przycisk.

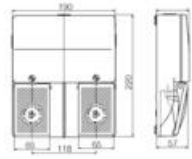
**Uwaga:** W przypadku bezpośredniego sterowania niebezpiecznymi ruchami maszyny, wymagany jest specjalny zestaw styków. W celu uzyskania informacji proszę kontaktować się z działem Maszyn w firmie OEM Automatic.

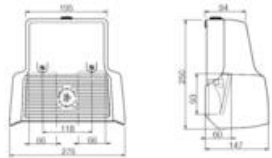
### WYMIARY

| 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                                |             |

|              |                                             |             |
|--------------|---------------------------------------------|-------------|
| 606.2220.015 | Double foot pedal F2-U2Z/U2Z                |             |
| 606.2610.014 | Double foot pedal F2-U1Z/U1Z UN (with hood) | E 37 752 30 |
| 606.2720.016 | Double foot pedal F2-U2Z/U2Z UN (with hood) | E 37 752 42 |

3-pedal version + other special models on request.

SPECYFIKACJA TECHNICZNA

|                                      |                 |
|--------------------------------------|-----------------|
| B10d                                 | 20x10^6         |
| Dopuszczenia                         | CCC, CE, CSA US |
| Liczba przycisków                    | 2               |
| Materiał obudowy                     | Aluminium       |
| Materiał przycisku                   | Plastikowy      |
| Max. częstotliwość pracy             | 50 times/min    |
| Max. temperatura pracy               | 80 °C           |
| Min. temperatura pracy               | -30 °C          |
| Napięcie maksymalne                  | 240 V           |
| Stopień ochrony IP                   | IP65            |
| Typ styków                           | 1 NO, 1 NC      |
| Wejście kabla                        | 1xM20x1,5       |
| Znamionowy krótkotrwały prąd cieplny | 10 A            |

**Standard values for safety technology**

**EN60959** 20 x 10<sup>6</sup>  
2 x 10<sup>6</sup> Restrictions in article designation "1" \*  
4 x 10<sup>6</sup> Restrictions in article designation "10" \*  
1 x 10<sup>6</sup> Restrictions in article designation "20" \*

\* 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**

IEC 60947-1-10, DIN EN 60947-1, IEC 60947-1  
VDE 0660-7200, DIN EN 60947-5-1, IEC 60947-5-1

**Approvals\***

CE, ATEX, IECEx, Q900 (same priority)  
UL, ENEC (in type designation "20")  
DIN EN 60947-5-1, IEC 60947-5-1

\* 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 +45°C in type designation "EXT"  
Storage temperature -30°C to +80°C / -20°C to +45°C in type designation "EXT"  
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 Screw connections (M3.5)  
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 = 5.6 kg, F2 = 1.7 kg, F3 = 3.0 kg  
Weight with protective shroud UN F1 = 1.3 kg, F2 = 3.8 kg, F3 = 5.4 kg  
Protection class Protection class depends on type. Standard is IP 65.

**Operating symbol left**

**Operating symbol right**

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Protection class Protection class depends on type. Standard is IP 65.