



**GIOVENZANA**  
INTERNATIONAL B.V.



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**FOOT SWITCHES**  
**SINGLE & DOUBLE**





Single or double foot switches thermoplastic type with the EN ISO 13850 emergency stop option.  
Available with electric or pneumatic controls.

IP65

SAFETY FOOT SWITCHES

Application

Safety foot switches are mounted on machines and plants as enabling switches in cases where operation using the hands is not possible and an emergency-stop function in case of a hazardous situation is required.

Design and mode of operation

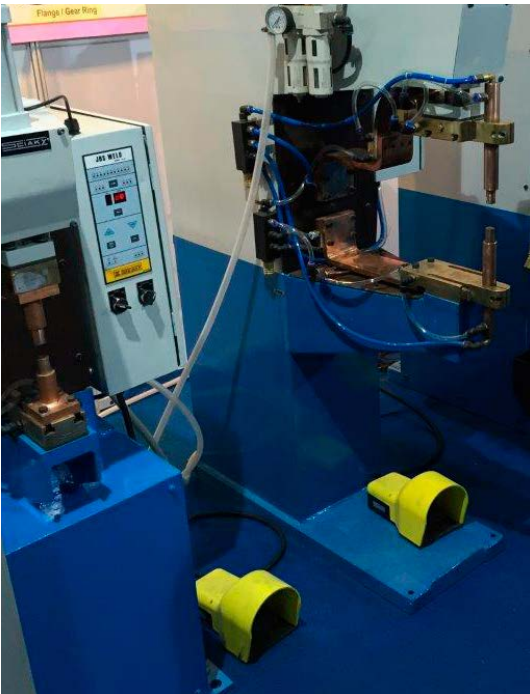
All safety foot switches are mounted with a shield to protect against unintentional actuation. When the foot pedal is actuated to as far as pressure point, the NO contact is closed. If, in case of danger, the pedal is actuated beyond the pressure point, then the positive break NC contact is opened and mechanically locked. Reset operation is carried out by means of a push button. During the reset operation, the switch does not move through the switching-on point.

The safety foot switches conform to protection class IP 65. All safety foot switches bear the CE mark according to the Machinery Directive.



GENERAL CHARACTERISTICS

|                                      |         |  |
|--------------------------------------|---------|--|
| Comply with                          |         | IEC/EN60947-5-1                          |
| Rated insulation voltage Ui          | V       | 690 (pollution class 3)                  |
| Rated impulse withstand voltage Uimp | kV      | 4  |
| Operating frequency                  | Hz      | 50/60                                    |
| Rated thermal current Ith            | A       | 10                                       |
| Rated operating current Ie:          |         |  |
| AC-15 alternate current              | V       | 24 60 120 240 400 440 500 690            |
|                                      | A       | 16 12 8 6 4,5 3,5 1 1                    |
| DC-13 continuous current             | V       | 24 48 60 110 220                         |
|                                      | A       | 2 1,2 0,85 0,4 0,25                      |
| Conditional short circuit withstand  |         | 1000A - 10A-500V class gG fuses          |
| Contact impedance                    | m Ω     | ≤25                                      |
| Contact type                         |         | Slow break double gap contacts           |
| Positive opening                     |         | NC contact with positive opening ➔       |
| Electric shock protection            | IEC 536 | Class II                                 |
| Protection rating                    | IEC 529 | IP65                                     |
| Ambient temperature                  | °C      | Operating -25 +70                        |
|                                      | °C      | Storage -30 +70                          |
| Cable entry                          |         | pre-broken hole 16,5 - M20 (with safety) |



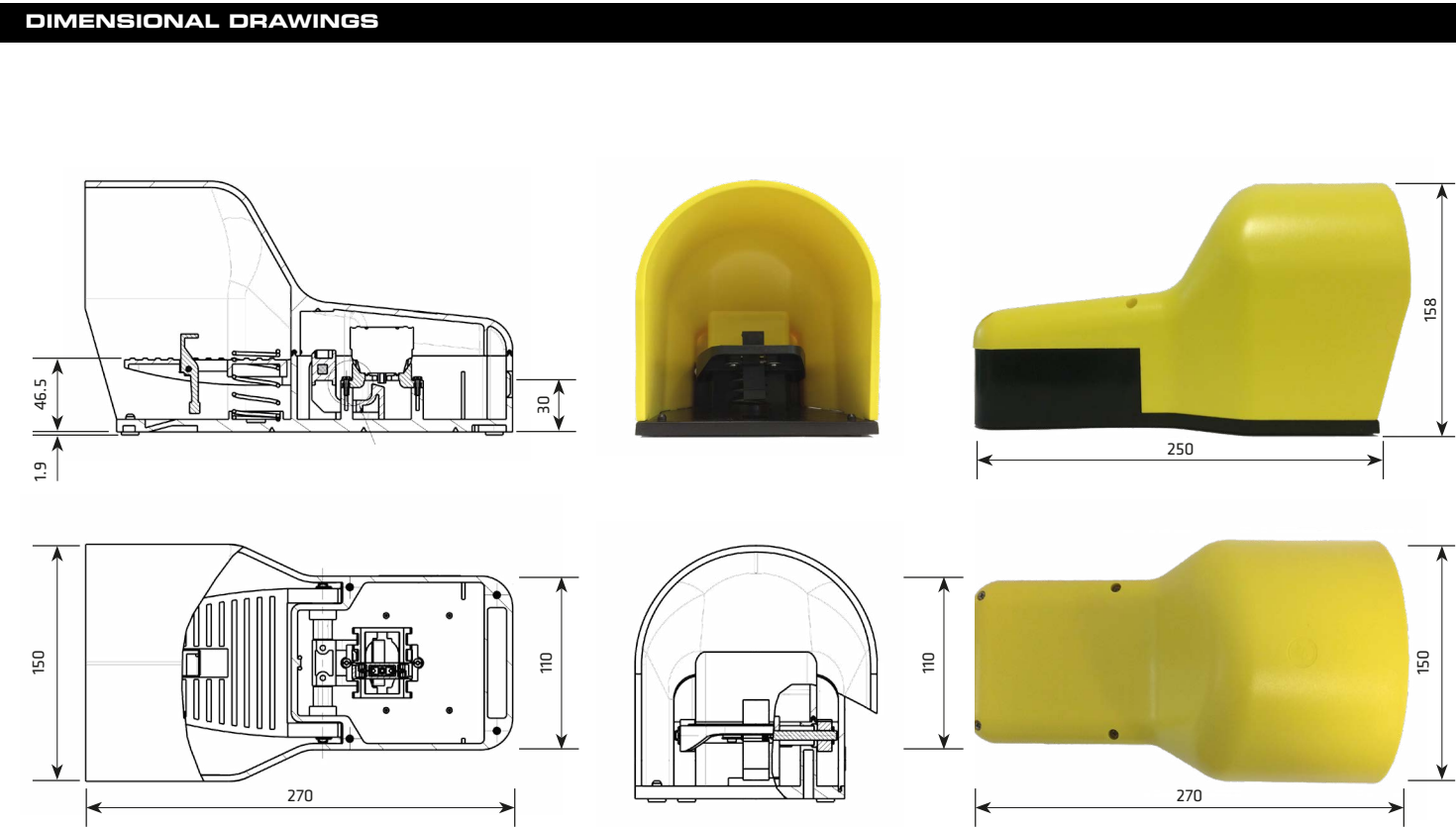
| PRODUCT | DESCRIPTION   | CONTACTS              | CODE    | MIN. PACK | WEIGHT |
|---------|---|-----------------------|---------|-----------|--------|
|         | <b>Foot switch</b><br>with trigger mechanism<br>requiring positive action<br>to allow pedal operation.<br><br>Colour:<br>PANTONE 102C | Slow break            |         | Quantity  | gr.    |
|         |   | 1NO                   | IP7007  | 1         | 1.400  |
|         |   | 2NO                   | IP7008  | 1         | 1.400  |
|         |   | 1NO+1NC               | IP7007I | 1         | 1.400  |
|         |   | 1NO                   | IP7009  | 1         | 1.400  |
|         |   | Two speeds<br>1NO+1NO | IP7015  | 1         | 1.400  |

This product is also available in different colors:

Colour:  
 RAL 7035



Colour:  
 RAL 5010



FOOT SWITCHES SERIES | SINGLE FOOT SWITCHES SERIES

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Single or double foot switches thermoplastic type with the EN ISO 13850 emergency stop option.  
Available with electric or pneumatic controls.

IP65

SINGLE FOOT SWITCHES

GENERAL CHARACTERISTICS

Application

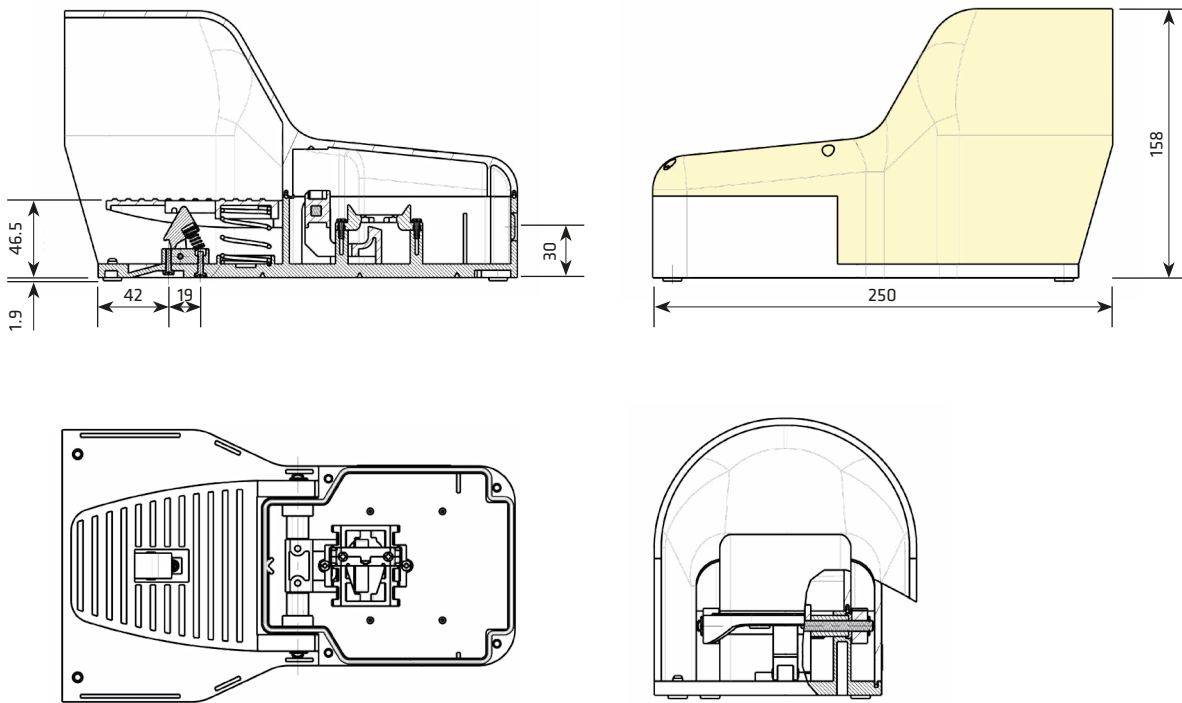
Foot switches are used to start and stop operations and production processes on machinery and plants, where actuation by hand is impossible. Depending on the environmental conditions and the mechanical duty, different versions of foot switches are available. Applications include use on packaging machines, in the storage and conveyor technology, as well as on textile machinery.

Design and mode of operation:





The foot switches are available in versions with multiple pedals. The switches are mounted with a shield to protect against unintentional actuation. All foot switches are equipped with slow or snap action contacts. Different versions are available with pressure point, potentiometer, Hall sensor and latching element. Foot rests, carrying handle and pedal covers are also available. The foot switches bear the CE mark according to the Low Voltage Directive.

|                                      |         |  |
|--------------------------------------|---------|--|
| Comply with                          |         | IEC/EN60947-5-1                          |
| Rated insulation voltage Ui          | V       | 690 (pollution class 3)                  |
| Rated impulse withstand voltage Uimp | kV      | 4  |
| Operating frequency                  | Hz      | 50/60                                    |
| Rated thermal current Ith            | A       | 10                                       |
| Rated operating current Ie:          |         |  |
| AC-15 alternate current              | V       | 24 60 120 240 400 440 500 690            |
|                                      | A       | 16 12 8 6 4,5 3,5 1 1                    |
| DC-13 continuous current             | V       | 24 48 60 110 220                         |
|                                      | A       | 2 1,2 0,85 0,4 0,25                      |
| Conditional short circuit withstand  |         | 1000A - 10A-500V class gG fuses          |
| Contact impedance                    | m Ω     | ≤25                                      |
| Contact type                         |         | Slow break double gap contacts           |
| Positive opening                     |         | NC contact with positive opening         |
| Electric shock protection            | IEC 536 | Class II                                 |
| Protection rating                    | IEC 529 | IP65                                     |
| Ambient temperature                  | °C      | Operating -25 +70                        |
|                                      | °C      | Storage -30 +70                          |
| Cable entry                          |         | pre-broken hole 16,5 - M20 (with safety) |

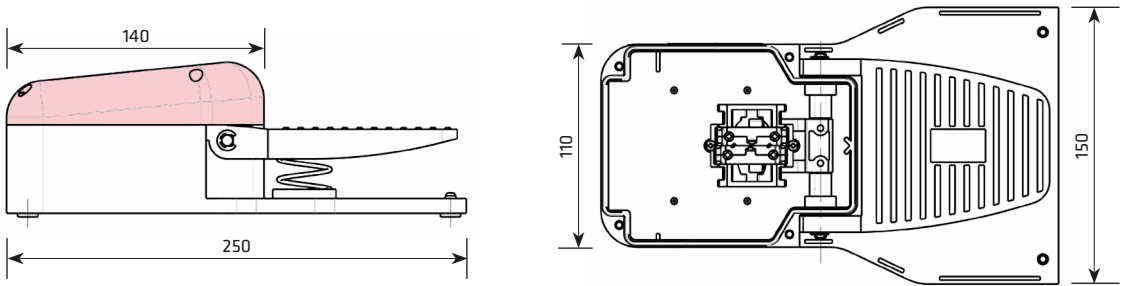
DIMENSIONAL DRAWINGS



| PRODUCT | DESCRIPTION  | CONTACTS   | CODE   | MIN. PACK | WEIGHT |
|---------|--|------------|--------|-----------|--------|
|         | Foot switch with pedal latching device and without trigger mechanism.<br><br>Colour:<br>PANTONE 102C | Slow break |        | Quantity  | gr.    |
|         |  | 1NO        | IP7011 | 1         | 1.400  |

| PRODUCT   | DESCRIPTION   | CONTACTS       | CODE           | MIN. PACK | WEIGHT       |
|---|---|----------------|----------------|-----------|--------------|
|  | <b>Foot switch</b><br>without rest position trigger<br>mechanism.                                       | Slow break     |                | Quantity  | gr.          |
|   | Colour:<br> RAL 3020 | <b>1NO+1NC</b> | <b>IP7006I</b> | <b>1</b>  | <b>1.300</b> |
|  | <b>Foot switch</b><br>with pedal latching device and<br>without trigger mechanism.                      |                |                |           |              |
|   | Colour:<br> RAL 3020 | <b>1NO+1NC</b> | <b>IP7035</b>  | <b>1</b>  | <b>1.300</b> |

DIMENSIONAL DRAWINGS



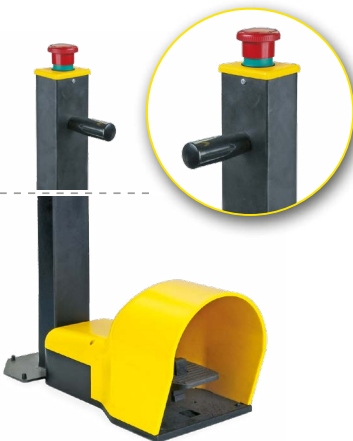



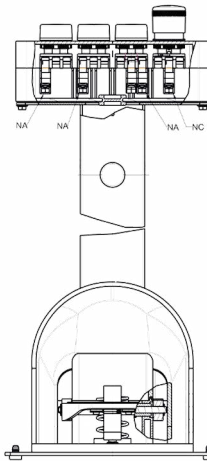
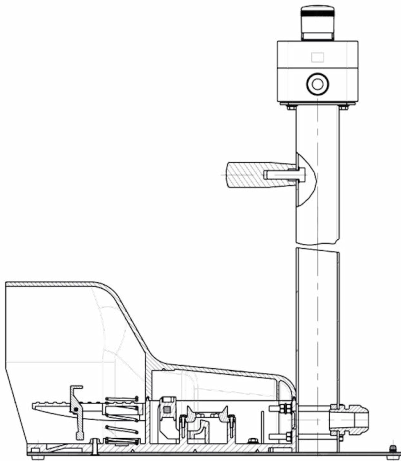

**FOOT SWITCHES SERIES | SINGLE FOOT SWITCHES SERIES**

**FOOT SWITCHES SERIES | SINGLE FOOT SWITCHES SERIES**

Single or double foot switches thermoplastic type with the EN ISO 13850 emergency stop option.  
Available with electric or pneumatic controls.

**IP54**

| SINGLE FOOT SWITCHES   | DESCRIPTION   | CONTACTS  | CODE            | MIN. PACK | WEIGHT       |
|--|---|---|-----------------|-----------|--------------|
|  | <b>Foot switch</b><br>with trigger mechanism and<br>ENI ISO 13850 emergency stop.                         | Slow break  |                 | Quantity  | gr.          |
|  | Colour:<br> PANTONE 102C | <b>1NO</b>  | <b>IP7007EM</b> | <b>1</b>  | <b>3.900</b> |
|  |   | <b>Two speeds<br/>1NO + 1NO</b>   | <b>IP7015EM</b> | <b>1</b>  | <b>3.910</b> |
|  |   | <b>ON REQUEST</b><br><br><b>IP7026</b> with PQ01 station 4 holes<br>with EN ISO 13850 emergency stop. |                 |           |              |



| PNEUMATIC SINGLE FOOT SWITCHES | DESCRIPTION  | CONTACTS                                | CODE          | MIN. PACK | WEIGHT       | DIMENSIONAL DRAWINGS |
|--------------------------------|--|---|---------------|-----------|--------------|----------------------|
|                                | <b>Foot switch</b><br>pneumatic with trigger<br>mechanism.<br><br>Colour:<br>PANTONE 102C                                      | Slow break                              |               | Quantity  | gr.          |                      |
|                                |  | <b>With 1/4"</b><br><b>5 ways valve</b> | <b>IP7023</b> | <b>1</b>  | <b>1.600</b> |                      |
|                                | <b>Foot switch</b><br>Pneumatic with pedal latching<br>device and without trigger<br>mechanism.<br><br>Colour:<br>PANTONE 102C | <b>With 1/4"</b><br><b>5 ways valve</b> | <b>IP7024</b> | <b>1</b>  | <b>1.600</b> |                      |
|                                |  | <b>With 3/2"</b><br><b>ways valve</b>   | <b>IP7032</b> | <b>1</b>  | <b>1.600</b> |                      |

Working pressure 2:10 bar.

**FOOT SWITCHES SERIES | DOUBLE FOOT SWITCHES SERIES**

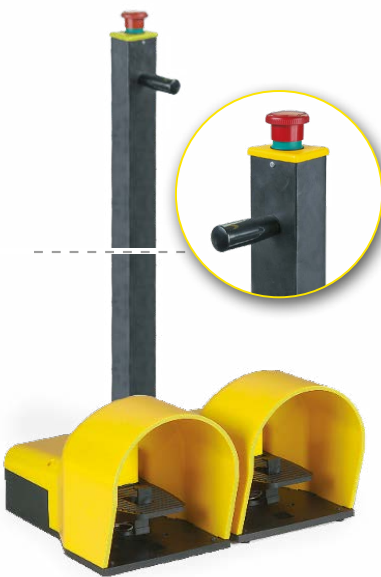
**FOOT SWITCHES SERIES | DOUBLE FOOT SWITCHES SERIES**

Double foot switches thermoplastic type with  
EN ISO 418 emergency stop option.

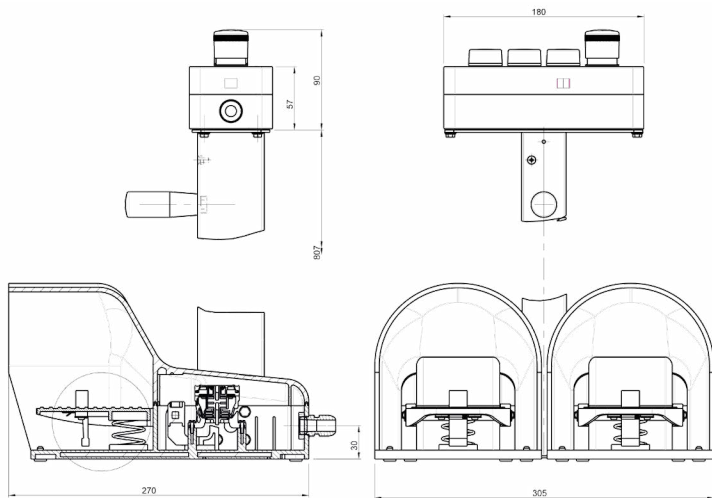
**IP54**

**DOUBLE FOOT SWITCHES  
WITH EN 418  
EMERGENCY STOP**

| DESCRIPTION  | CONTACTS         | CODE            | MIN. PACK | WEIGHT       |
|--|------------------|-----------------|-----------|--------------|
| Foot switch<br>with trigger mechanism<br>requiring positive action to<br>allow pedal operation.<br><br>Colour:<br>PANTONE 102C | Slow break       |                 | Quantity  | gr.          |
|  | <b>1NO + 1NO</b> | <b>IP7018EM</b> | <b>1</b>  | <b>5.300</b> |
|  | <b>2NO + 2NO</b> | <b>IP7019EM</b> | <b>1</b>  | <b>5.300</b> |

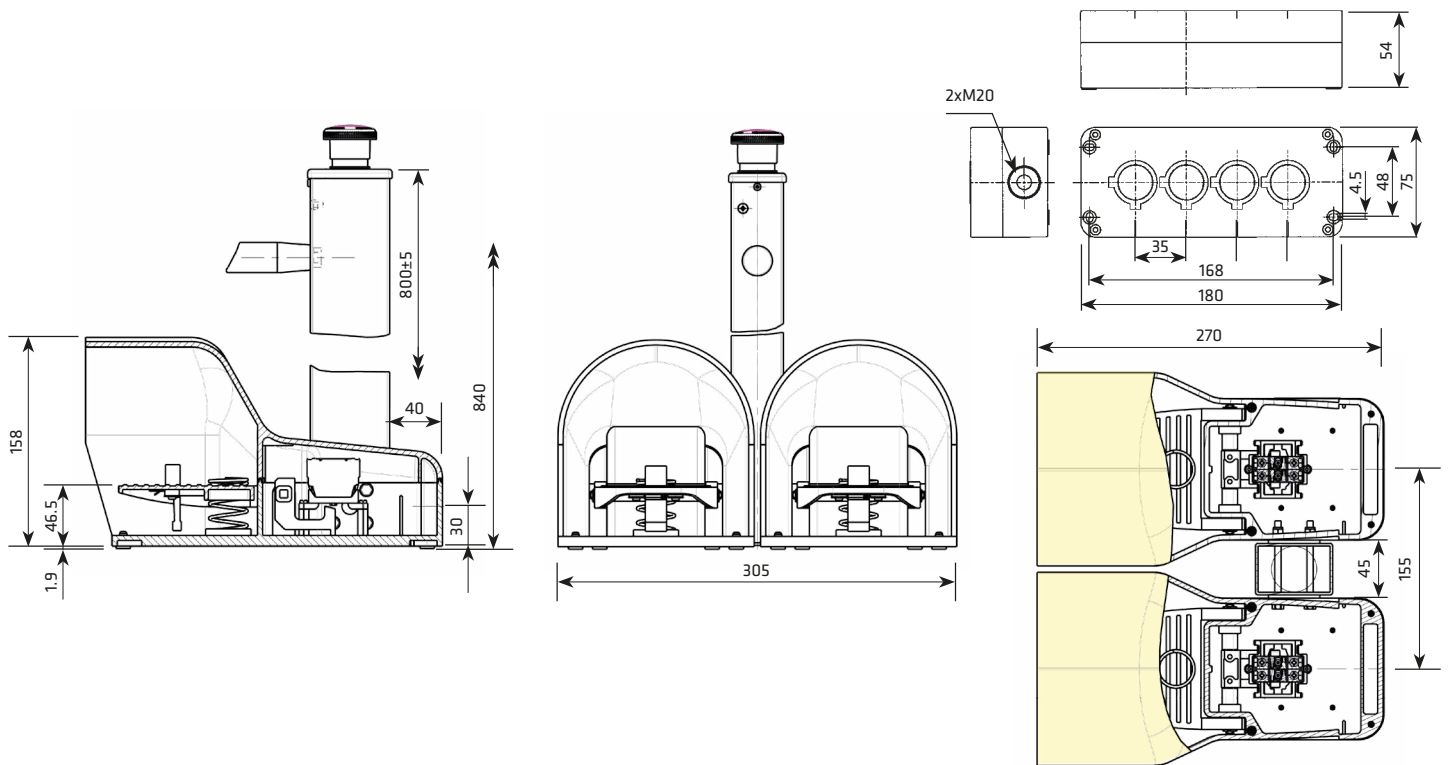


**ON REQUEST**



Available double foot switch **IP7027** with PQ04 station 4 holes with EN ISO 13850 emergency stop.

**DIMENSIONAL DRAWINGS**



Double foot switches thermoplastic type with EN ISO 13850.

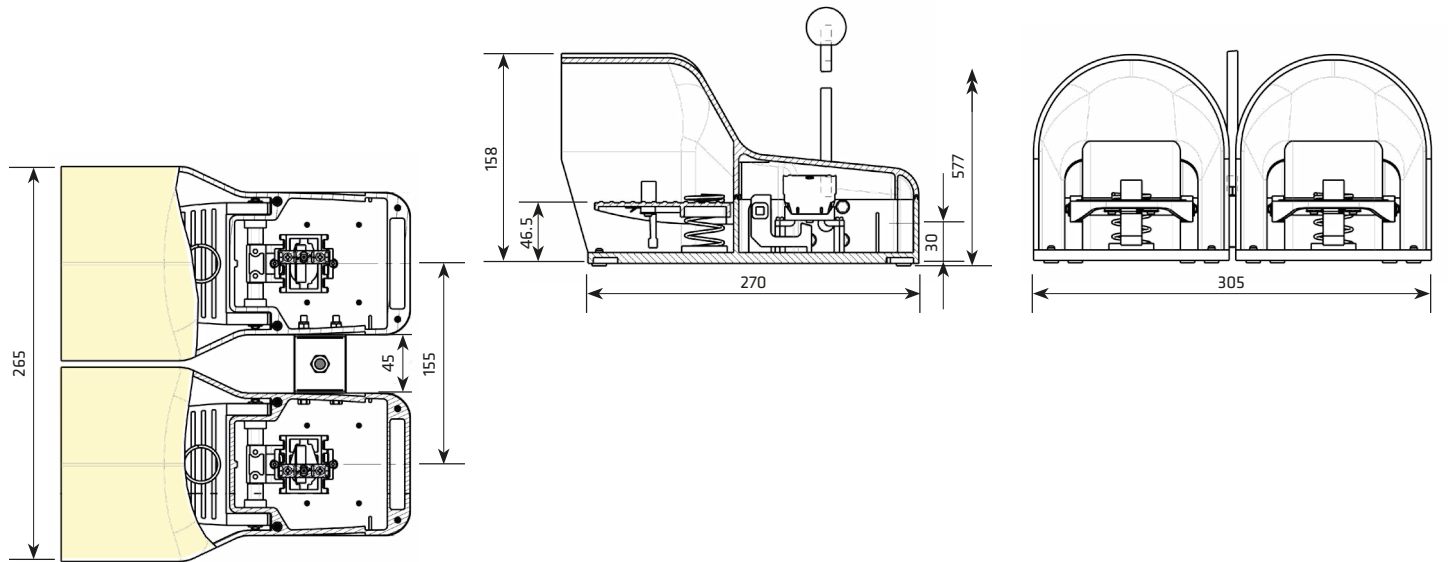
**IP54**

**DOUBLE FOOT SWITCHES**

| DESCRIPTION  | CONTACTS         | CODE          | MIN. PACK | WEIGHT       |
|--|------------------|---------------|-----------|--------------|
| Foot switch<br>with trigger mechanism<br>requiring positive action to<br>allow pedal operation.<br><br>Colour:<br>PANTONE 102C | Slow break       |               | Quantity  | gr.          |
|  | <b>1NO + 1NO</b> | <b>IP7018</b> | <b>1</b>  | <b>3.100</b> |
|  | <b>2NO + 2NO</b> | <b>IP7019</b> | <b>1</b>  | <b>3.100</b> |



**DIMENSIONAL DRAWINGS**





FOOT SWITCHES SERIES | EQUIPMENT

NOTES

Contact blocks, Pegasus Emergency Push Button,  
Potentiometers.

CONTACT BLOCKS



| DESCRIPTION                        | CODE     | COLOUR | FUNCTIONS | SCHEME      |
|------------------------------------|----------|--------|-----------|-------------|
| Contact Blocks<br>Screw terminals. | PL004001 | RED    | 0 1,5 6mm | NC<br>1 — 2 |
|                                    | PL004002 | GREEN  | 0 3,5 6mm | NO<br>3 — 4 |

CHARACTERISTICS IEC/EN60947-5-1 // PL004001 AND PL004002

|                                      |    |        |
|--------------------------------------|----|--------|
| Rated insulation voltage Ui          | V  | 690*   |
| Rated impulse withstand voltage Uimp | kV | 4*     |
| Frequency                            | Hz | 50/60* |
| Rated thermal current Ith            | A  | 16*    |
| Rated thermal current Ithe           | A  | 16*    |

RATED OPERATING CURRENT // PL004001 AND PL004002

|                                  |             |                                    |     |      |     |       |     |     |     |
|----------------------------------|-------------|------------------------------------|-----|------|-----|-------|-----|-----|-----|
| AC-15 alternate current          | V           | 24                                 | 60  | 120  | 240 | 400   | 440 | 500 | 690 |
|                                  | A           | 16*                                | 12  | 8    | 6   | 4     | 3,5 | 3   | 1   |
| DC-13 continuous current         | V           | 24                                 | 48  | 60   | 110 | 220   |     |     |     |
|                                  | A           | 2*                                 | 1,2 | 0,85 | 0,4 | 0,25* |     |     |     |
| Short Circuit characteristics    | A           | 1000A*                             |     |      |     |       |     |     |     |
| Fuse Rating gG                   | 500 V       | 10A*                               |     |      |     |       |     |     |     |
| Contact insulation resistance    | m Ω         | <25                                |     |      |     |       |     |     |     |
| Switching mechanism              |             | Slow break double gap contacts     |     |      |     |       |     |     |     |
| Contact Duty                     |             | NC contact with positive opening ➡ |     |      |     |       |     |     |     |
| Minimum tripping force           |             | 4N                                 |     |      |     |       |     |     |     |
| Electrical life AC15/mil. cycles | mil. cycles | 1A/1,5 - 2A/0,5 - 3A/0,25          |     |      |     |       |     |     |     |

UL508 CHARACTERISTICS // PL004001 AND PL004002

|                                      |    |                             |
|--------------------------------------|----|-----------------------------|
| Rated insulation voltage Ui          | V  | 10A-600V ac // 2,5A-125V dc |
| Rated impulse withstand voltage Uimp | kV | A600-Q600                   |

\*IMQ Values

PEGASUS EMERGENCY  
PUSH BUTTON



| DESCRIPTION   | CODE       | COLOUR   | MIN. PACK | WEIGHT |
|---|------------|----------|-----------|--------|
| Push Button<br>Mushroom operator<br>Ø40 twist to release. | Slow break |          | Quantity  | gr.    |
|   | PPFN1R4N   | RAL 3020 | 10        | 44     |

DIMENSIONAL DRAWINGS

