



**GIOVENZANA**  
INTERNATIONAL B.V.



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INTERNATIONAL B.V.



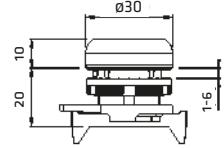
**AUXILIARY CONTROLS**  
**ORION SERIES**

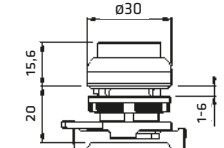
**AUXILIARY CONTROLS | ORION SERIES | BLACK LINE**

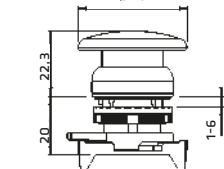
**AUXILIARY CONTROLS | ORION SERIES | BLACK LINE**

**PUSH BUTTONS Ø22 | WITH COLOUR CAP | IP65**

MOMENTARY

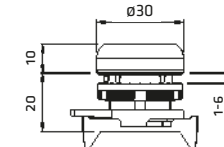
|  | TYPE              | COLOUR INDEX | CODE    | WEIGHT grammi | MIN. PACK QUANTITY | SIZES                                                                               |
|-----------------------------------------------------------------------------------|-------------------|--------------|---------|---------------|--------------------|-------------------------------------------------------------------------------------|
|                                                                                   | FLUSH PUSH BUTTON | ■            | PPRN1BL | 30            | 10                 |  |
|                                                                                   |                   | ■            | PPRN2BL | 30            | 10                 |                                                                                     |
|                                                                                   |                   | ■            | PPRN3BL | 30            | 10                 |                                                                                     |
|                                                                                   |                   | ■            | PPRN4BL | 30            | 10                 |                                                                                     |
|                                                                                   |                   | ■            | PPRN5BL | 30            | 10                 |                                                                                     |
|                                                                                   |                   | ■            | PPRN8BL | 30            | 10                 |                                                                                     |

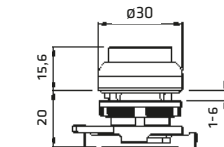
|  | TYPE                 | COLOUR INDEX | CODE    | WEIGHT grammi | MIN. PACK QUANTITY | SIZES                                                                               |
|-----------------------------------------------------------------------------------|----------------------|--------------|---------|---------------|--------------------|-------------------------------------------------------------------------------------|
|                                                                                   | EXTENDED PUSH BUTTON | ■            | PPSN1BL | 31            | 10                 |  |
|                                                                                   |                      | ■            | PPSN2BL | 31            | 10                 |                                                                                     |
|                                                                                   |                      | ■            | PPSN3BL | 31            | 10                 |                                                                                     |
|                                                                                   |                      | ■            | PPSN4BL | 31            | 10                 |                                                                                     |
|                                                                                   |                      | ■            | PPSN5BL | 31            | 10                 |                                                                                     |
|                                                                                   |                      | ■            | PPSN8BL | 31            | 10                 |                                                                                     |

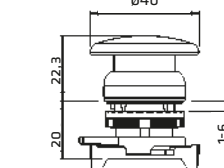
|  | TYPE         | COLOUR INDEX | CODE       | WEIGHT grammi | MIN. PACK QUANTITY | SIZES                                                                                |
|------------------------------------------------------------------------------------|--------------|--------------|------------|---------------|--------------------|--------------------------------------------------------------------------------------|
|                                                                                    | MUSHROOM Ø40 | ■            | PPFN1M4NBL | 45            | 10                 |  |
|                                                                                    |              | ■            | PPFN2M4NBL | 45            | 10                 |                                                                                      |
|                                                                                    |              | ■            | PPFN3M4NBL | 45            | 10                 |                                                                                      |
|                                                                                    |              |              |            |               |                    |                                                                                      |

**PUSH BUTTONS Ø22 | WITH LENS CAP**

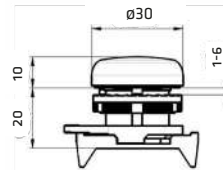
MOMENTARY

|  | TYPE              | COLOUR INDEX | CODE    | WEIGHT grammi | MIN. PACK QUANTITY | SIZES                                                                                 |
|-------------------------------------------------------------------------------------|-------------------|--------------|---------|---------------|--------------------|---------------------------------------------------------------------------------------|
|                                                                                     | FLUSH PUSH BUTTON | ■            | PPRL1BL | 30            | 10                 |  |
|                                                                                     |                   | ■            | PPRL2BL | 30            | 10                 |                                                                                       |
|                                                                                     |                   | ■            | PPRL3BL | 30            | 10                 |                                                                                       |
|                                                                                     |                   | ■            | PPRL4BL | 30            | 10                 |                                                                                       |
|                                                                                     |                   | ■            | PPRL5BL | 30            | 10                 |                                                                                       |
|                                                                                     |                   |              |         |               |                    |                                                                                       |

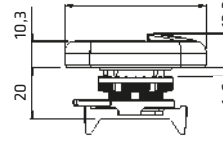
|  | TYPE                 | COLOUR INDEX | CODE    | WEIGHT grammi | MIN. PACK QUANTITY | SIZES                                                                                 |
|-------------------------------------------------------------------------------------|----------------------|--------------|---------|---------------|--------------------|---------------------------------------------------------------------------------------|
|                                                                                     | EXTENDED PUSH BUTTON | ■            | PPSL1BL | 31            | 10                 |  |
|                                                                                     |                      | ■            | PPSL2BL | 31            | 10                 |                                                                                       |
|                                                                                     |                      | ■            | PPSL3BL | 31            | 10                 |                                                                                       |
|                                                                                     |                      | ■            | PPSL4BL | 31            | 10                 |                                                                                       |
|                                                                                     |                      | ■            | PPSL5BL | 31            | 10                 |                                                                                       |
|                                                                                     |                      |              |         |               |                    |                                                                                       |

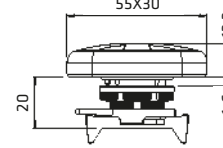
|  | TYPE                  | COLOUR INDEX | CODE       | WEIGHT grammi | MIN. PACK QUANTITY | SIZES                                                                                 |
|-------------------------------------------------------------------------------------|-----------------------|--------------|------------|---------------|--------------------|---------------------------------------------------------------------------------------|
|                                                                                     | MUSHROOM OPERATOR Ø40 | ■            | PPFL1M4NBL | 43            | 10                 |  |

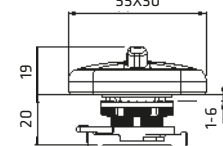
IND. LIGHT

|  | TYPE     | COLOUR INDEX | CODE    | WEIGHT grammi | MIN. PACK QUANTITY | SIZES                                                                               |
|-------------------------------------------------------------------------------------|----------|--------------|---------|---------------|--------------------|-------------------------------------------------------------------------------------|
|                                                                                     | FLAT CAP | ■            | PLSL1NL | 30            | 10                 |  |
|                                                                                     |          | ■            | PLSL2NL | 30            | 10                 |                                                                                     |
|                                                                                     |          | ■            | PLSL3NL | 30            | 10                 |                                                                                     |
|                                                                                     |          | ■            | PLSL4NL | 30            | 10                 |                                                                                     |
|                                                                                     |          | ■            | PLSL5NL | 30            | 10                 |                                                                                     |
|                                                                                     |          |              |         |               |                    |                                                                                     |

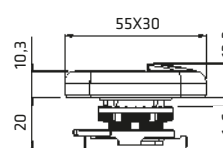
**MULTIFUNCTION PUSH BUTTONS Ø22 | NOT LIGHT | IP65**

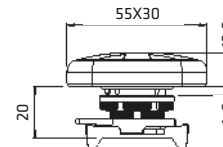
|  | TYPE             | COLOUR INDEX                                                                        | CODE   | WEIGHT grammi | MIN. PACK QUANTITY | SIZES                                                                               |
|-------------------------------------------------------------------------------------|------------------|-------------------------------------------------------------------------------------|--------|---------------|--------------------|-------------------------------------------------------------------------------------|
|                                                                                     | DUAL PUSH BUTTON |  | PPDNBL | 38            | 10                 |  |

|  | TYPE                 | COLOUR INDEX                                                                         | CODE    | WEIGHT grammi | MIN. PACK QUANTITY | SIZES                                                                                |
|--------------------------------------------------------------------------------------|----------------------|--------------------------------------------------------------------------------------|---------|---------------|--------------------|--------------------------------------------------------------------------------------|
|                                                                                      | EXTENDED PUSH BUTTON |  | PPDNSBL | 38            | 10                 |  |

|  | TYPE                 | COLOUR INDEX                                                                          | CODE    | WEIGHT grammi | MIN. PACK QUANTITY | SIZES                                                                                 |
|---------------------------------------------------------------------------------------|----------------------|---------------------------------------------------------------------------------------|---------|---------------|--------------------|---------------------------------------------------------------------------------------|
|                                                                                       | TRIPLE MULTIFUNCTION |  | PPMNSBL | 40            | 10                 |  |

**MULTIFUNCTION PUSH BUTTONS Ø22 | LIGHT**

|  | TYPE             | COLOUR INDEX                                                                          | CODE     | WEIGHT grammi | MIN. PACK QUANTITY | SIZES                                                                                 |
|---------------------------------------------------------------------------------------|------------------|---------------------------------------------------------------------------------------|----------|---------------|--------------------|---------------------------------------------------------------------------------------|
|                                                                                       | DUAL PUSH BUTTON |  | PPDLBL   | 38            | 10                 |  |
|                                                                                       |                  |  | PPDLBL.1 | 38            | 10                 |                                                                                       |

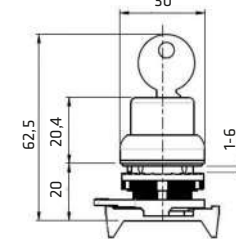
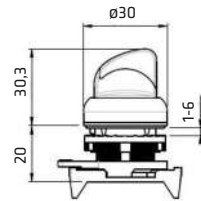
|  | TYPE                        | COLOUR INDEX                                                                          | CODE    | WEIGHT grammi | MIN. PACK QUANTITY | SIZES                                                                                 |
|---------------------------------------------------------------------------------------|-----------------------------|---------------------------------------------------------------------------------------|---------|---------------|--------------------|---------------------------------------------------------------------------------------|
|                                                                                       | EXTENDED DOUBLE PUSH BUTTON |  | PPDLSBL | 38            | 10                 |  |

**ROTARY SWITCHES Ø22 | IP65**

**WITH OPERATOR**

**WITH LIGHT OPERATOR**

**WITH KEY**



| POSITION | COLOUR INDEX | CODE      | COLOUR INDEX | CODE      | KEY REMOVAL |   |   | CODE       |
|----------|--------------|-----------|--------------|-----------|-------------|---|---|------------|
|          |              |           |              |           | L           | O | R |            |
| <br>90°  |              | PSMB1D0BL |              | PSML1D0BL |             | * |   | PSCR8D0CBL |
|          |              | PSMB2D0BL |              | PSML2D0BL |             |   |   |            |
|          |              | PSMB3D0BL |              | PSML3D0BL |             |   | * | PSCR8D0EBL |
|          |              | PSMB4D0BL |              | PSML4D0BL |             |   | * |            |
|          |              | PSMB5D0BL |              | PSML5D0BL |             | * | * | PSCR8D0NBL |
|          |              | PSMB8D0BL |              |           |             |   |   |            |
| <br>45°  |              | PSMB1D1BL |              | PSML1D1BL |             | * |   | PSCR8D1CBL |
|          |              | PSMB2D1BL |              | PSML2D1BL |             |   |   |            |
|          |              | PSMB3D1BL |              | PSML3D1BL |             |   | * | PSCR8D1EBL |
|          |              | PSMB4D1BL |              | PSML4D1BL |             |   | * |            |
|          |              | PSMB5D1BL |              | PSML5D1BL |             | * | * | PSCR8D1NBL |
|          |              | PSMB8D1BL |              |           |             |   |   |            |
| <br>45°  |              | PSMB1D2BL |              | PSML1D2BL |             |   |   | PSCR8D2CBL |
|          |              | PSMB2D2BL |              | PSML2D2BL |             |   |   |            |
|          |              | PSMB3D2BL |              | PSML3D2BL |             |   | * |            |
|          |              | PSMB4D2BL |              | PSML4D2BL |             |   | * |            |
|          |              | PSMB5D2BL |              | PSML5D2BL |             |   | * |            |
|          |              | PSMB8D2BL |              |           |             |   | * |            |
| <br>45°  |              | PSMB1T0BL |              | PSML1T0BL | *           | * |   | PSR8T0CBL  |
|          |              | PSMB2T0BL |              | PSML2T0BL | *           |   | * | PSR8T0ABL  |
|          |              | PSMB3T0BL |              | PSML3T0BL | *           | * | * | PSR8T0EBL  |
|          |              | PSMB4T0BL |              | PSML4T0BL | *           | * | * | PSR8T0GBL  |
|          |              | PSMB5T0BL |              | PSML5T0BL | *           | * | * | PSR8T0HBL  |
|          |              | PSMB8T0BL |              |           | *           | * | * | PSR8T0KBL  |
| <br>45°  |              | PSMB1T3BL |              | PSML1T3BL |             | * |   | PSCR8T3CBL |
|          |              | PSMB2T3BL |              | PSML2T3BL |             |   |   |            |
|          |              | PSMB3T3BL |              | PSML3T3BL |             |   |   |            |
|          |              | PSMB4T3BL |              | PSML4T3BL |             |   |   |            |
|          |              | PSMB5T3BL |              | PSML5T3BL |             |   |   |            |
|          |              | PSMB8T3BL |              |           |             |   |   |            |
| <br>45°  |              | PSMB1T2BL |              | PSML1T2BL |             | * |   | PSCR8T2CBL |
|          |              | PSMB2T2BL |              | PSML2T2BL |             |   |   |            |
|          |              | PSMB3T2BL |              | PSML3T2BL |             |   |   | PSCR8T2ABL |
|          |              | PSMB4T2BL |              | PSML4T2BL |             |   |   |            |
|          |              | PSMB5T2BL |              | PSML5T2BL |             | * | * | PSCR8T2HBL |
|          |              | PSMB8T2BL |              |           |             |   |   |            |
| <br>45°  |              | PSMB1T1BL |              | PSML1T1BL |             | * |   | PSCR8T1CBL |
|          |              | PSMB2T1BL |              | PSML2T1BL |             |   |   |            |
|          |              | PSMB3T1BL |              | PSML3T1BL |             |   | * | PSCR8T1EBL |
|          |              | PSMB4T1BL |              | PSML4T1BL |             |   | * |            |
|          |              | PSMB5T1BL |              | PSML5T1BL |             | * | * | PSCR8T1NBL |
|          |              | PSMB8T1BL |              |           |             |   |   |            |

1 For standard rotary switches suitable to operate a central contact, replace the letter "B" with the letter "C": PSMC  
2 For rotary switches with Left - Right operating angles replace the letters "DO" with "SD": PSMB1DO or PSCR8SDE

\* Key removable position

**OPERATOR CAPS Ø22 | IP65**

**MOMENTARY AND LATCHED, FLUSH PUSH BUTTONS**



| SYMBOL | COLOUR | CODE          | SYMBOL | COLOUR | CODE        |
|--------|--------|---------------|--------|--------|-------------|
|        |        | PPRN2BL/I     |        |        | PPRN2BL/ON  |
|        |        | PPRN1BL/O     |        |        | PPRN1BL/OFF |
|        |        | PPRN2BL/II    |        |        | PPRN5BL/F   |
|        |        | PPRN2BL/START |        |        | PPRN8BL/F   |
|        |        | PPRN1BL/STOP  |        |        |             |

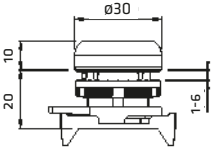
Available others symbols on request, also in different languages and colours.

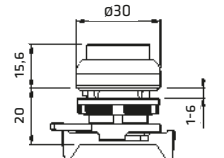
**AUXILIARY CONTROLS | ORION SERIES | GREY LINE**

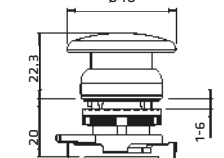
**AUXILIARY CONTROLS | ORION SERIES | GREY LINE**

**PUSH BUTTONS Ø22 | WITH COLOUR CAP | IP67-IP69K**

MOMENTARY

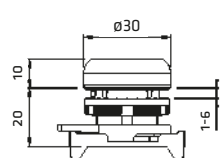
|  | TYPE              | COLOUR INDEX | CODE    | WEIGHT grammi | MIN. PACK QUANTITY | SIZES                                                                               |
|-----------------------------------------------------------------------------------|-------------------|--------------|---------|---------------|--------------------|-------------------------------------------------------------------------------------|
|                                                                                   | FLUSH PUSH BUTTON | ■            | PPRN1GL | 30            | 10                 |  |
|                                                                                   |                   | ■            | PPRN2GL | 30            | 10                 |                                                                                     |
|                                                                                   |                   | ■            | PPRN3GL | 30            | 10                 |                                                                                     |
|                                                                                   |                   | ■            | PPRN4GL | 30            | 10                 |                                                                                     |
|                                                                                   |                   | ■            | PPRN5GL | 30            | 10                 |                                                                                     |
|                                                                                   |                   | ■            | PPRN8GL | 30            | 10                 |                                                                                     |

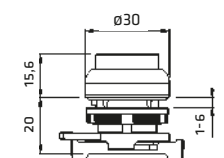
|  | TYPE                 | COLOUR INDEX | CODE    | WEIGHT grammi | MIN. PACK QUANTITY | SIZES                                                                               |
|-----------------------------------------------------------------------------------|----------------------|--------------|---------|---------------|--------------------|-------------------------------------------------------------------------------------|
|                                                                                   | EXTENDED PUSH BUTTON | ■            | PPSN1GL | 31            | 10                 |  |
|                                                                                   |                      | ■            | PPSN2GL | 31            | 10                 |                                                                                     |
|                                                                                   |                      | ■            | PPSN3GL | 31            | 10                 |                                                                                     |
|                                                                                   |                      | ■            | PPSN4GL | 31            | 10                 |                                                                                     |
|                                                                                   |                      | ■            | PPSN5GL | 31            | 10                 |                                                                                     |
|                                                                                   |                      | ■            | PPSN8GL | 31            | 10                 |                                                                                     |

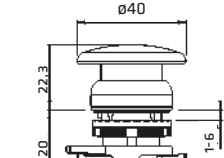
|  | TYPE         | COLOUR INDEX | CODE       | WEIGHT grammi | MIN. PACK QUANTITY | SIZES                                                                                |
|------------------------------------------------------------------------------------|--------------|--------------|------------|---------------|--------------------|--------------------------------------------------------------------------------------|
|                                                                                    | MUSHROOM Ø40 | ■            | PPFN1M4NGL | 45            | 10                 |  |
|                                                                                    |              | ■            | PPFN2M4NGL | 45            | 10                 |                                                                                      |
|                                                                                    |              | ■            | PPFN3M4NGL | 45            | 10                 |                                                                                      |

**PUSH BUTTONS Ø22 | WITH LENS CAP**

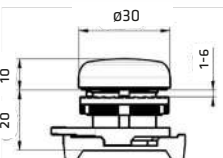
MOMENTARY

|  | TYPE              | COLOUR INDEX | CODE    | WEIGHT grammi | MIN. PACK QUANTITY | SIZES                                                                                 |
|-------------------------------------------------------------------------------------|-------------------|--------------|---------|---------------|--------------------|---------------------------------------------------------------------------------------|
|                                                                                     | FLUSH PUSH BUTTON | ■            | PPRL1GL | 30            | 10                 |  |
|                                                                                     |                   | ■            | PPRL2GL | 30            | 10                 |                                                                                       |
|                                                                                     |                   | ■            | PPRL3GL | 30            | 10                 |                                                                                       |
|                                                                                     |                   | ■            | PPRL4GL | 30            | 10                 |                                                                                       |
|                                                                                     |                   | ■            | PPRL5GL | 30            | 10                 |                                                                                       |

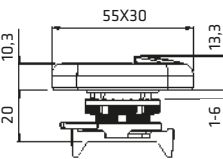
|  | TYPE                 | COLOUR INDEX | CODE    | WEIGHT grammi | MIN. PACK QUANTITY | SIZES                                                                                 |
|-------------------------------------------------------------------------------------|----------------------|--------------|---------|---------------|--------------------|---------------------------------------------------------------------------------------|
|                                                                                     | EXTENDED PUSH BUTTON | ■            | PPSL1GL | 31            | 10                 |  |
|                                                                                     |                      | ■            | PPSL2GL | 31            | 10                 |                                                                                       |
|                                                                                     |                      | ■            | PPSL3GL | 31            | 10                 |                                                                                       |
|                                                                                     |                      | ■            | PPSL4GL | 31            | 10                 |                                                                                       |
|                                                                                     |                      | ■            | PPSL5GL | 31            | 10                 |                                                                                       |

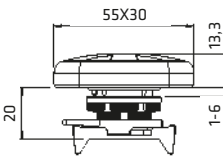
|  | TYPE                  | COLOUR INDEX | CODE       | WEIGHT grammi | MIN. PACK QUANTITY | SIZES                                                                                 |
|-------------------------------------------------------------------------------------|-----------------------|--------------|------------|---------------|--------------------|---------------------------------------------------------------------------------------|
|                                                                                     | MUSHROOM OPERATOR Ø40 | ■            | PPFL1M4NGL | 43            | 10                 |  |

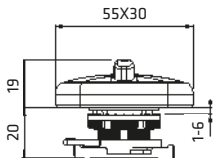
IND. LIGHT

|  | TYPE     | COLOUR INDEX | CODE    | WEIGHT grammi | MIN. PACK QUANTITY | SIZES                                                                               |
|-------------------------------------------------------------------------------------|----------|--------------|---------|---------------|--------------------|-------------------------------------------------------------------------------------|
|                                                                                     | FLAT CAP | ■            | PLSL1NL | 30            | 10                 |  |
|                                                                                     |          | ■            | PLSL2NL | 30            | 10                 |                                                                                     |
|                                                                                     |          | ■            | PLSL3NL | 30            | 10                 |                                                                                     |
|                                                                                     |          | ■            | PLSL4NL | 30            | 10                 |                                                                                     |
|                                                                                     |          | ■            | PLSL5NL | 30            | 10                 |                                                                                     |

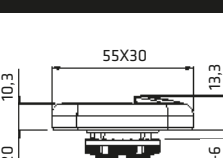
**MULTIFUNCTION PUSH BUTTONS Ø22 | NOT LIGHT | IP67-IP69K**

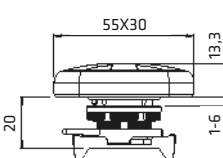
|  | TYPE             | COLOUR INDEX                                                                        | CODE   | WEIGHT grammi | MIN. PACK QUANTITY | SIZES                                                                               |
|-------------------------------------------------------------------------------------|------------------|-------------------------------------------------------------------------------------|--------|---------------|--------------------|-------------------------------------------------------------------------------------|
|                                                                                     | DUAL PUSH BUTTON |  | PPDNGL | 38            | 10                 |  |

|  | TYPE                 | COLOUR INDEX                                                                         | CODE    | WEIGHT grammi | MIN. PACK QUANTITY | SIZES                                                                                |
|--------------------------------------------------------------------------------------|----------------------|--------------------------------------------------------------------------------------|---------|---------------|--------------------|--------------------------------------------------------------------------------------|
|                                                                                      | EXTENDED PUSH BUTTON |  | PPDNSGL | 38            | 10                 |  |

|  | TYPE                 | COLOUR INDEX                                                                          | CODE    | WEIGHT grammi | MIN. PACK QUANTITY | SIZES                                                                                 |
|---------------------------------------------------------------------------------------|----------------------|---------------------------------------------------------------------------------------|---------|---------------|--------------------|---------------------------------------------------------------------------------------|
|                                                                                       | TRIPLE MULTIFUNCTION |  | PPMNSGL | 40            | 10                 |  |

**MULTIFUNCTION PUSH BUTTONS Ø22 | LIGHT**

|  | TYPE             | COLOUR INDEX                                                                          | CODE     | WEIGHT grammi | MIN. PACK QUANTITY | SIZES                                                                                 |
|---------------------------------------------------------------------------------------|------------------|---------------------------------------------------------------------------------------|----------|---------------|--------------------|---------------------------------------------------------------------------------------|
|                                                                                       | DUAL PUSH BUTTON |  | PPDLGL   | 38            | 10                 |  |
|                                                                                       |                  |  | PPDLGL.1 | 38            | 10                 |                                                                                       |

|  | TYPE                        | COLOUR INDEX                                                                          | CODE    | WEIGHT grammi | MIN. PACK QUANTITY | SIZES                                                                                 |
|---------------------------------------------------------------------------------------|-----------------------------|---------------------------------------------------------------------------------------|---------|---------------|--------------------|---------------------------------------------------------------------------------------|
|                                                                                       | EXTENDED DOUBLE PUSH BUTTON |  | PPDLSGL | 38            | 10                 |  |

Multifunction push buttons - Special symbols and text for horizontal assembly/identification are available on request.

[www.giovenzana.com](http://www.giovenzana.com)

**ROTARY SWITCHES Ø22 | IP67-IP69K**

**WITH OPERATOR**

**WITH LIGHT OPERATOR**

**WITH KEY**



| POSITION | COLOUR INDEX | CODE      | COLOUR INDEX | CODE      | KEY REMOVAL |   |   | CODE       |
|----------|--------------|-----------|--------------|-----------|-------------|---|---|------------|
|          |              |           |              |           | L           | O | R |            |
| <br>90°  |              | PSMB1D0GL |              | PSML1D0GL |             | * |   | PSCR8D0CGL |
|          |              | PSMB2D0GL |              | PSML2D0GL |             |   |   |            |
|          |              | PSMB3D0GL |              | PSML3D0GL |             |   | * | PSCR8D0EGL |
|          |              | PSMB4D0GL |              | PSML4D0GL |             |   |   |            |
|          |              | PSMB5D0GL |              | PSML5D0GL |             | * | * | PSCR8D0NGL |
|          |              | PSMB8D0GL |              |           |             |   |   |            |
| <br>45°  |              | PSMB1D1GL |              | PSML1D1GL |             | * |   | PSCR8D1CGL |
|          |              | PSMB2D1GL |              | PSML2D1GL |             |   |   |            |
|          |              | PSMB3D1GL |              | PSML3D1GL |             |   | * | PSCR8D1EGL |
|          |              | PSMB4D1GL |              | PSML4D1GL |             |   |   |            |
|          |              | PSMB5D1GL |              | PSML5D1GL |             | * | * | PSCR8D1NGL |
|          |              | PSMB8D1GL |              |           |             |   |   |            |
| <br>45°  |              | PSMB1D2GL |              | PSML1D2GL |             |   |   | PSCR8D2CGL |
|          |              | PSMB2D2GL |              | PSML2D2GL |             |   |   |            |
|          |              | PSMB3D2GL |              | PSML3D2GL |             |   |   |            |
|          |              | PSMB4D2GL |              | PSML4D2GL |             |   |   |            |
|          |              | PSMB5D2GL |              | PSML5D2GL |             |   |   |            |
|          |              | PSMB8D2GL |              |           |             |   |   |            |
| <br>45°  |              | PSMB1T0GL |              | PSML1T0GL |             | * |   | PSR8T0CGL  |
|          |              | PSMB2T0GL |              | PSML2T0GL | *           |   |   | PSR8T0AGL  |
|          |              | PSMB3T0GL |              | PSML3T0GL |             |   | * | PSR8T0EGL  |
|          |              | PSMB4T0GL |              | PSML4T0GL | *           | * | * | PSR8T0GGL  |
|          |              | PSMB5T0GL |              | PSML5T0GL | *           | * |   | PSR8T0HGL  |
|          |              | PSMB8T0GL |              |           | *           | * | * | PSR8T0KGL  |
| <br>45°  |              | PSMB1T3GL |              | PSML1T3GL |             |   |   | PSCR8T3CGL |
|          |              | PSMB2T3GL |              | PSML2T3GL |             | * |   |            |
|          |              | PSMB3T3GL |              | PSML3T3GL |             |   |   |            |
|          |              | PSMB4T3GL |              | PSML4T3GL |             |   |   |            |
|          |              | PSMB5T3GL |              | PSML5T3GL |             |   |   |            |
|          |              | PSMB8T3GL |              |           |             |   |   |            |
| <br>45°  |              | PSMB1T2GL |              | PSML1T2GL |             | * |   | PSCR8T2CGL |
|          |              | PSMB2T2GL |              | PSML2T2GL |             |   |   |            |
|          |              | PSMB3T2GL |              | PSML3T2GL |             |   |   | PSCR8T2AGL |
|          |              | PSMB4T2GL |              | PSML4T2GL | *           |   |   |            |
|          |              | PSMB5T2GL |              | PSML5T2GL |             | * |   | PSCR8T2HGL |
|          |              | PSMB8T2GL |              |           | *           |   |   |            |
| <br>45°  |              | PSMB1T1GL |              | PSML1T1GL |             | * |   | PSCR8T1CGL |
|          |              | PSMB2T1GL |              | PSML2T1GL |             |   |   |            |
|          |              | PSMB3T1GL |              | PSML3T1GL |             |   | * | PSCR8T1EGL |
|          |              | PSMB4T1GL |              | PSML4T1GL |             |   |   |            |
|          |              | PSMB5T1GL |              | PSML5T1GL |             | * | * | PSCR8T1NGL |
|          |              | PSMB8T1GL |              |           |             | * | * |            |

\* Key removable position

**OPERATOR CAPS Ø22 | IP67-IP69K**

**MOMENTARY AND LATCHED, FLUSH PUSH BUTTONS**



| SYMBOL | COLOUR | CODE          | SYMBOL | COLOUR | CODE        |
|--------|--------|---------------|--------|--------|-------------|
|        |        | PPRN2BL/I     |        |        | PPRN2BL/ON  |
|        |        | PPRN1BL/O     |        |        | PPRN1BL/OFF |
|        |        | PPRN2BL/II    |        |        | PPRN5BL/F   |
|        |        | PPRN2BL/START |        |        | PPRN8BL/F   |
|        |        | PPRN1BL/STOP  |        |        |             |

Available others symbols on request, also in different languages and colours.

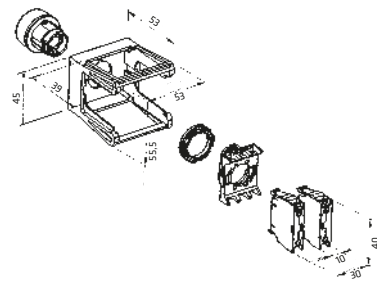
1 For standard rotary switches suitable to operate a central contact, replace the letter "B" with the letter "C": PSMC  
2 For rotary switches with Left - Right operating angles replace the letters "DO" with "SD": PSMB1DO or PSCR8SDE

**ACCESSORIES | ORION SERIES**

**DIN RAIL MOUNTING ADAPTOR**



| DESCRIPTION                                                                              | CODE     |
|------------------------------------------------------------------------------------------|----------|
| DIN EN50022<br>RAIL MOUNTING<br>FOR 46 MM<br>STANDARDISED<br>ENCLOSURES<br>GREY RAL 7035 | 11708351 |



**PROTECTION CAPS**

**FOR FLUSH BUTTON**

| DESCRIPTION | CODE  |
|-------------|-------|
| ORION       | PCRNL |



**FOR EXTENDED PUSH BUTTON**

| DESCRIPTION | CODE  |
|-------------|-------|
| ORION       | PCSNL |



**FOR MULTIFUNCTIONAL SERIES**

| PEGASUS         | CODE  |
|-----------------|-------|
| PPDNGL-PPDLGL   | PCDNL |
| PPMNGL          | PCMNL |
| PPDNRGL-PPDLRGL | PCNNL |



**CENTRAL CONTACT OPERATION**



| DESCRIPTION                   | CODE     |
|-------------------------------|----------|
| FOR GL, BL, NEMA 4X<br>SERIES | 11708555 |

**KEY FIXING BULB EXTRACTOR**



| CODE |
|------|
| PCF  |

**STOPPER CLOSING HOLES Ø22,5**



| CODE  |
|-------|
| PTRN8 |

**CONTACTS SUPPORT**



| DESCRIPTION                            | CODE   | DESCRIPTION                                 | CODE     |
|----------------------------------------|--------|---------------------------------------------|----------|
| TO CONTACT<br>ELEMENTS<br>PL, PCW, PSC | PPELN8 | TO FIVE CONTACT<br>ELEMENTS<br>PL, PCW, PSC | PPELN8-5 |

**FASTON CONNECTORS AND FOR PCB**

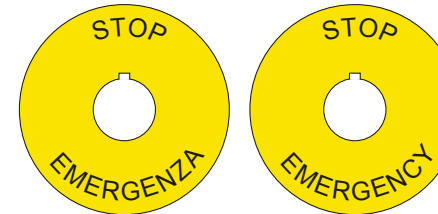


| DESCRIPTION    | CODE     | DESCRIPTION | CODE     |
|----------------|----------|-------------|----------|
| FASTON 6,3x0,8 | 11708341 | PCB         | 11708235 |

**TO SCREW CONTACTS PL**

**ACCESSORIES | ORION SERIES**

**EMERGENCY STOP RING**



| DESCRIPTION                                                                                                 | TEXT             | CODE  |
|-------------------------------------------------------------------------------------------------------------|------------------|-------|
| Ø60 Made of Aluminium<br>Yellow background<br>Black letters.<br>Weight 3,5 gr.<br>Min. packing q.ty 10 pcs. | BLANK            | PTE   |
|                                                                                                             | STOP - EMERGENZA | PTE/I |
|                                                                                                             | EMERGENCY - STOP | PTE/A |
|                                                                                                             | NOT - AUS        | PTE/D |

Available others texts on request, also in different languages.

**LEGEND PLATE**



| CODE  |
|-------|
| PPTN8 |

**LABEL**



| TEXT          | CODE  |
|---------------|-------|
| (Blank)       | PTA00 |
| MARCIA        | PTA01 |
| ARRESTO       | PTA02 |
| I O II        | PTA03 |
| O I           | PTA04 |
| CHIUDE        | PTA05 |
| APRE          | PTA06 |
| EMERGENZA     | PTA07 |
| MANUALE       | PTA08 |
| AUTOMATICO    | PTA09 |
| AVANTI        | PTA10 |
| INDIETRO      | PTA11 |
| EIN           | PTA12 |
| AUS           | PTA13 |
| STOP          | PTA14 |
| START         | PTA15 |
| RESET         | PTA16 |
| I → O ← II    | PTA17 |
| AUT O MAN     | PTA18 |
| INS - DISINS  | PTA26 |
| HAND OFF AUTO | PTA27 |
| FORW OFF REV  | PTA28 |
| ON OFF        | PTA29 |

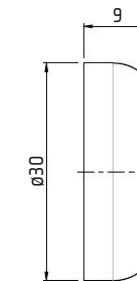
**SPECIAL FRAMES ON REQUEST**

• **SPECIAL FRAMES: NICKEL LINE**

The auxiliary controls of Black Line and Grey Line of Orion Series can be supplied with seal in Nickel.

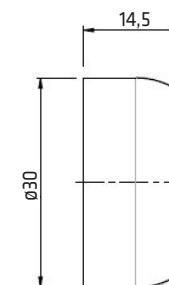
When ordering the different type replace the letters "BL" and "GL" with "NL" to the nickel execution:

PPRN1BL (Black Line) > PPRN1NL (Nickel Line)



• **SPECIAL FRAMES: SHROUDED Black Line / Grey Line / NEMA**

The auxiliary controls of Orion Series and NEMA Series are available also with shrouded seal.



Black Line  
Orion Series



Grey Line  
Orion Series



NEMA Series

**TECHNICAL DATA | ELECTRICAL CHARACTERISTICS**

**CONTACT BLOCKS**

| EC/EN 60947-5-1 CHARACTERISTICS             |             | PL004001-PL004002                  |     |      |     |       |     |     |     |  |  | PCW01-PCW10 / PSC01-PSC10          |    |     |     |      |     |     |     |  |  |
|---------------------------------------------|-------------|------------------------------------|-----|------|-----|-------|-----|-----|-----|--|--|------------------------------------|----|-----|-----|------|-----|-----|-----|--|--|
| Rated insulation voltage $U_i$              | V           | 690*                               |     |      |     |       |     |     |     |  |  | 690*                               |    |     |     |      |     |     |     |  |  |
| Rated impulse withstand voltage $U_{imp}$   | kV          | 4*                                 |     |      |     |       |     |     |     |  |  | 4*                                 |    |     |     |      |     |     |     |  |  |
| Operating frequency                         | Hz          | 50/60*                             |     |      |     |       |     |     |     |  |  | 50/60*                             |    |     |     |      |     |     |     |  |  |
| Rated thermal current $I_{th}$              | A           | 16*                                |     |      |     |       |     |     |     |  |  | 16*                                |    |     |     |      |     |     |     |  |  |
| Rated thermal current in enclosed $I_{the}$ | A           | 10*                                |     |      |     |       |     |     |     |  |  | 10*                                |    |     |     |      |     |     |     |  |  |
| RATED OPERATING CURRENT $I_e$ :             |             | PL004001-PL004002                  |     |      |     |       |     |     |     |  |  | PCW01-PCW10 / PSC01-PSC10          |    |     |     |      |     |     |     |  |  |
| AC15: Alternate current                     | V           | 24                                 | 60  | 110  | 230 | 400   | 440 | 500 | 690 |  |  | 24                                 | 60 | 110 | 240 | 400  | 440 | 500 | 690 |  |  |
|                                             | A           | 16*                                | 12  | 8    | 6   | 4,5   | 3,5 | 1*  | 1   |  |  | 16*                                | 12 | 5   | 5*  | 4    | 4   | 4*  | 2*  |  |  |
| DC13: Direct current                        | V           | 24                                 | 48  | 60   | 110 | 220   |     |     |     |  |  | 24                                 | 48 | 60  | 110 | 250  |     |     |     |  |  |
|                                             | A           | 2*                                 | 1,2 | 0,85 | 0,4 | 0,25* |     |     |     |  |  | 2                                  | 2* | 1*  | 0,4 | 0,4* |     |     |     |  |  |
| Conditional short circuit withstand current | A           | 1000*                              |     |      |     |       |     |     |     |  |  | 1000*                              |    |     |     |      |     |     |     |  |  |
| Fuse rating gG                              | 500V        | 10A*                               |     |      |     |       |     |     |     |  |  | 10A*                               |    |     |     |      |     |     |     |  |  |
| Contact insulation resistance               | mΩ          | <25                                |     |      |     |       |     |     |     |  |  | <25                                |    |     |     |      |     |     |     |  |  |
| Switching mechanism                         |             | Slow break double gap contacts     |     |      |     |       |     |     |     |  |  | Slow break double gap contacts     |    |     |     |      |     |     |     |  |  |
| Contact duty                                |             | ⊕ NC contact with positive opening |     |      |     |       |     |     |     |  |  | ⊕ NC contact with positive opening |    |     |     |      |     |     |     |  |  |
| Minimum tripping force                      |             | 4N                                 |     |      |     |       |     |     |     |  |  | 4N                                 |    |     |     |      |     |     |     |  |  |
| Electrical life AC15                        | mil. cycles | 1A/1,5 - 2A/0,5 - 3A/0,25          |     |      |     |       |     |     |     |  |  | 1A/1,5 - 2A/0,5 - 3A/0,25          |    |     |     |      |     |     |     |  |  |
| UL 508 CHARACTERISTICS                      |             | PL004001-PL004002                  |     |      |     |       |     |     |     |  |  | PCW01-PCW10 / PSC01-PSC10          |    |     |     |      |     |     |     |  |  |
| General Use                                 |             | 10A-600V ac - 2,5A-125V dc         |     |      |     |       |     |     |     |  |  | 10A-600V ac - 2,5A-125V dc         |    |     |     |      |     |     |     |  |  |
| Heavy Duty (HD) category                    |             | A600-Q600                          |     |      |     |       |     |     |     |  |  | A600-Q600                          |    |     |     |      |     |     |     |  |  |

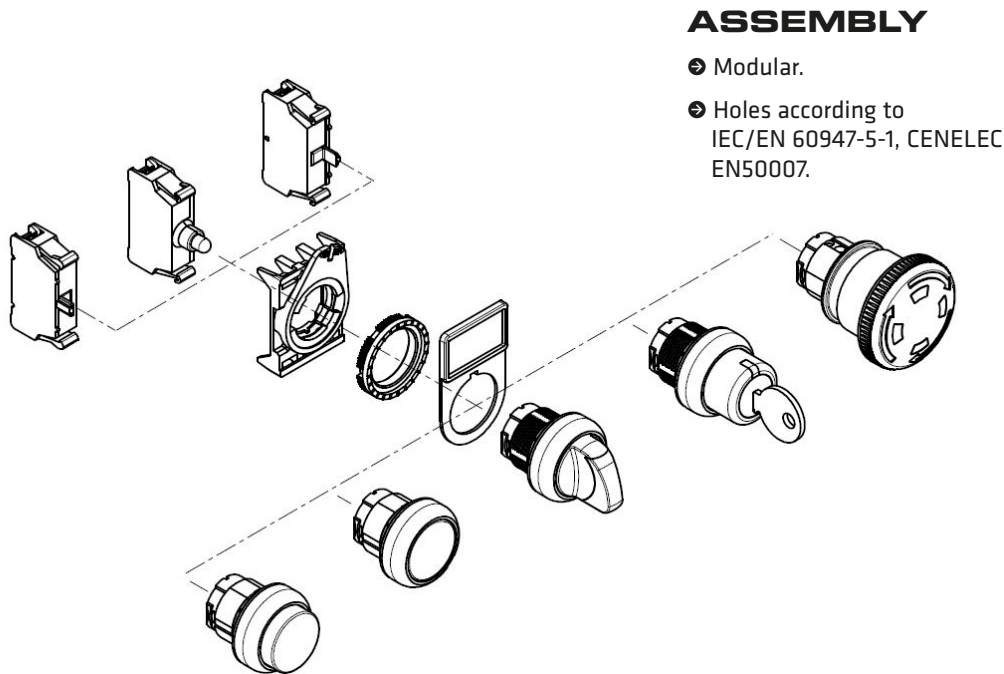
**LAMP HOLDER**

| EC/EN 60947-5-1 CHARACTERISTICS |   | BUILT-IN LED                  |  |
|---------------------------------|---|-------------------------------|--|
|                                 |   | LED PL004.L.<br>PCW.L.-PSC.L. |  |
| Rated insulation voltage $U_i$  | V | 400                           |  |
| Rated operating voltage $U_e$   | V | AC/DC 12-24                   |  |
|                                 | V | AC/DC 48                      |  |
|                                 | V | AC/DC 110                     |  |
|                                 | V | AC 220                        |  |
| Max rated power                 | W | -                             |  |
| Power supply                    |   | -                             |  |
| Lamp fixing system              |   | -                             |  |

**TECHNICAL DATA | ELECTRICAL CHARACTERISTICS**

| STANDARD CONFORMITY                      |                                                               | UL - IMQ - R.I.NA                                                                                                         |  |
|------------------------------------------|---------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------|--|
| Approvals                                |                                                               | IEC/EN60947-5-1, UL508                                                                                                    |  |
| Protection class                         | EN 60529 BLACK LINE<br>EN 60529 GREY LINE<br>Conforms to UL50 | IP65: Buttons and switches, Multifunction push button<br>IP66/IP67/IP69K: Buttons and switches, Multifunction push button |  |
| Material Group                           | EN60947-1                                                     | Type 1                                                                                                                    |  |
| Pollution Grade                          | EN60947-1                                                     | II                                                                                                                        |  |
| Flammability                             | UL94                                                          | 3                                                                                                                         |  |
| Ambient Temperature                      | °C                                                            | VO: live parts                                                                                                            |  |
|                                          | °C                                                            | Operating: -25 +70                                                                                                        |  |
| Climate Protection                       | IEC68 part 2-3<br>IEC68 part 2-30                             | Storage: -30 +70                                                                                                          |  |
| Mechanical life:                         |                                                               | Hot damp                                                                                                                  |  |
| Mushroom operators and standard          | mil./operations                                               | Unsettled Hot damp                                                                                                        |  |
| Push buttons with colour cap             |                                                               | 3                                                                                                                         |  |
| Standard push buttons with lens cap      |                                                               | 1                                                                                                                         |  |
| Standard rotary switches                 |                                                               | 1                                                                                                                         |  |
| Rotary switches with lens                |                                                               | 0,5                                                                                                                       |  |
| Emergency stop push buttons with release |                                                               | 0,3                                                                                                                       |  |

**ASSEMBLY INSTRUCTIONS**



**ASSEMBLY**

- ⊕ Modular.
- ⊕ Holes according to IEC/EN 60947-5-1, CENELEC EN50007.

**CENELEC EN50007**

- ⊕ Panel thickness from 1 up to 6 mm.

- ⊕ If not required, lock nuts can be easily removed by means of a screwdriver.

