

7.1

PRZECIWWYBUCHOWY ŁĄCZNIK KRZYWKOWY PŁK-10

Ex de IIC T6 Gb
Ex tD A21 IP67 T80°C
OBAC 10 ATEX 084X



1. Opis ogólny wyrobu

Przeciwwybuchowe łączniki krzywkowe z napędem ręcznym typu PŁK-10 przeznaczone są do stosowania w instalacjach elektrycznych w obwodach sterowniczych i pomocniczych oraz torach głównych o napięciu do 400 V AC i 220 V DC. Łączniki wyposażone są w zaciski przystosowane do przyłączania niezaprawionych końcówek żył przewodów/kabli.

2. Warunki stosowania

Przeciwwybuchowe łączniki krzywkowe typu PŁK-10 oznaczone znakiem:

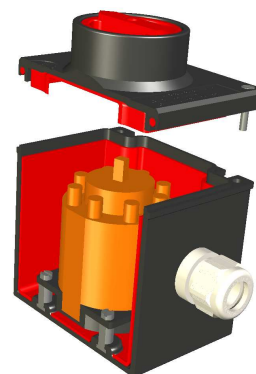


II 2G Ex de IIC T6 Gb



II 2D Ex tD A21 IP67 T80°C

mogą być stosowane w pomieszczeniach i przestrzeniach, w których jest prawdopodobne pojawienie się atmosfer wybuchowych, spowodowanych przez gazy, pary, mgły i ich mieszanki powietrzne



3. Zgodność z normami

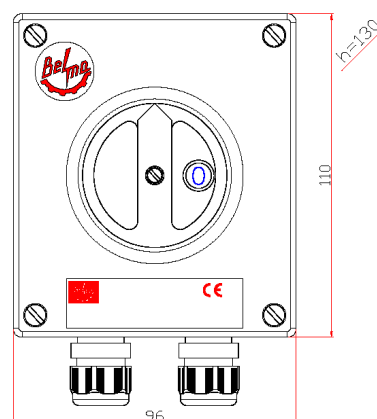
Ognioszczelne łączniki krzywkowe produkowane są zgodnie z zasadami dobrej praktyki inżynierskiej w dziedzinie bezpieczeństwa według wymagań norm:

- * PN-EN 60079-0:2013-03/A11:2014-03 (EN 60079-0:2012/A11:2013),
- * PN-EN 60079-7:2016-02 (EN 60079-7:2015)

zharmonizowanych z Dyrektywą Parlamentu Europejskiego i Rady 2014/34/UE oraz norm:

- PN-EN 61140:2005/A1:2008,
- PN-EN 60664-1:2006,
- PN-EN 60947-1:2006,
- PN-EN 60947-3:2009

4. Wymiary gabarytowe



Bydgoskie Zakłady Elektromechaniczne
BELMA S.A.
ul. Łochowska 69, 86-005 Białe Błota

tel. (0-52) 36-36-201, fax. (0-52) 36-36-203; www.belma.com.pl, bze@belma.com.pl

5. Parametry techniczne

Podstawowe parametry przeciwwybuchowych łączników krzywkowych typu PŁK-10:

| Parametry | Jedn. | Wartość dla wykonań |
|---|-----------------|---------------------|
| Znamionowe napięcie łączeniowe U_e (maksymalne) | V | 400 AC 220 DC |
| Znamionowe napięcie izolacji | V | 500 |
| Znamionowy prąd łączeniowy I_e | A | 10 |
| Znamionowy prąd cieplny I_{th} | A | 16 |
| Częstotliwość znamionowa | Hz | 50÷60 |
| Przekrój zacisków łącznika | mm ² | 1,5-4 |
| Trwałość mechaniczna (liczba przestawień) | - | 3x10 ⁶ |
| Stopień ochrony | - | IP67 |
| Średnica zewnętrzna wprowadzanych przewodów (kabli) | mm | 3-18 |
| Temperatura pracy | °C | -20 ÷ +50 |

* w zależności od zastosowanych dławnic tj. Ø 4-10mm – M16x1,5; Ø 5-14mm – M20x1,5; Ø 9-18mm – M25z1,5. Standardowo łączniki PŁK-10 są wyposażone w dławnice dla średnic zewnętrzny wprowadzanych przewodów od 5-14mm (M20x1,5)

6. Sposób zamawiania

W składanym zamówieniu należy podać nazwę wyrobu i numer wykonania składający się z trzech cyfr:

- pierwsza cyfra wykonania – ilość dławnic (tabela nr 1),
- druga i trzecia cyfra wykonania – program łączy (schematy poniżej) dodatkowo podać wielkość dławnic (M16x1,5, M20x1,5, M25z1,5) lub średnicę wprowadzanych przewodów

Przykład: Przeciwwybuchowy łącznik krzywkowy typu PŁK-10 z 2 dławnicami M20x1,5, program 02 lub PŁK-10 wyk. 202 ze standardowymi dławnicami.

Producent wykonuje również programy łączy na specjalne zamówienie.

Tabela nr 1

| Pierwsza cyfra wykonania | 1 | 2 | 3 | 4 | 5 |
|--------------------------|---|---|---|---|---|
| | | | | | |

Typowe programy łączy

| <p>program 01</p> <table border="1"> <thead> <tr> <th>Styk</th> <th colspan="4">Pozycja łącznika (1)</th> </tr> <tr> <th>Nr zacisków</th> <th>0</th> <th>1</th> <th>2</th> <th>3</th> </tr> </thead> <tbody> <tr> <td>1-0-2</td> <td>X</td> <td></td> <td></td> <td></td> </tr> </tbody> </table> | Styk | Pozycja łącznika (1) | | | | Nr zacisków | 0 | 1 | 2 | 3 | 1-0-2 | X | | | | <p>program 02</p> <table border="1"> <thead> <tr> <th>Styk</th> <th colspan="4">Pozycja łącznika (1)</th> </tr> <tr> <th>Nr zacisków</th> <th>0</th> <th>1</th> <th>2</th> <th>3</th> </tr> </thead> <tbody> <tr> <td>1-0-2</td> <td>X</td> <td></td> <td></td> <td></td> </tr> <tr> <td>4-0-3</td> <td></td> <td>X</td> <td></td> <td></td> </tr> </tbody> </table> | Styk | Pozycja łącznika (1) | | | | Nr zacisków | 0 | 1 | 2 | 3 | 1-0-2 | X | | | | 4-0-3 | | X | | | <p>program 11</p> <table border="1"> <thead> <tr> <th>Styk</th> <th colspan="4">Pozycja łącznika (1)</th> </tr> <tr> <th>Nr zacisków</th> <th>0</th> <th>1</th> <th>2</th> <th>3</th> </tr> </thead> <tbody> <tr> <td>1-0-2</td> <td>X</td> <td></td> <td></td> <td></td> </tr> <tr> <td>4-0-3</td> <td></td> <td>X</td> <td></td> <td></td> </tr> <tr> <td>5-0-6</td> <td></td> <td></td> <td>X</td> <td></td> </tr> </tbody> </table> | Styk | Pozycja łącznika (1) | | | | Nr zacisków | 0 | 1 | 2 | 3 | 1-0-2 | X | | | | 4-0-3 | | X | | | 5-0-6 | | | X | | <p>program 12</p> <table border="1"> <thead> <tr> <th>Styk</th> <th colspan="4">Pozycja łącznika (1)</th> </tr> <tr> <th>Nr zacisków</th> <th>0</th> <th>1</th> <th>2</th> <th>3</th> </tr> </thead> <tbody> <tr> <td>1-0-2</td> <td>X</td> <td></td> <td></td> <td></td> </tr> <tr> <td>4-0-3</td> <td></td> <td>X</td> <td></td> <td></td> </tr> <tr> <td>5-0-6</td> <td></td> <td></td> <td>X</td> <td></td> </tr> <tr> <td>8-0-7</td> <td></td> <td></td> <td></td> <td>X</td> </tr> </tbody> </table> | Styk | Pozycja łącznika (1) | | | | Nr zacisków | 0 | 1 | 2 | 3 | 1-0-2 | X | | | | 4-0-3 | | X | | | 5-0-6 | | | X | | 8-0-7 | | | | X | | | | | | | | | | |
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| <p>program 03</p> <table border="1"> <thead> <tr> <th>Styk</th> <th colspan="4">Pozycja łącznika (2)</th> </tr> <tr> <th>Nr zacisków</th> <th>0</th> <th>1</th> <th>2</th> <th>3</th> </tr> </thead> <tbody> <tr> <td>1-0-2</td> <td></td> <td>X</td> <td></td> <td></td> </tr> <tr> <td>4-0-3</td> <td></td> <td>X</td> <td></td> <td></td> </tr> </tbody> </table> | Styk | Pozycja łącznika (2) | | | | Nr zacisków | 0 | 1 | 2 | 3 | 1-0-2 | | X | | | 4-0-3 | | X | | | <p>program 04</p> <table border="1"> <thead> <tr> <th>Styk</th> <th colspan="4">Pozycja łącznika (2)</th> </tr> <tr> <th>Nr zacisków</th> <th>0</th> <th>1</th> <th>2</th> <th>3</th> </tr> </thead> <tbody> <tr> <td>1-0-2</td> <td>X</td> <td></td> <td></td> <td></td> </tr> <tr> <td>4-0-3</td> <td></td> <td>X</td> <td></td> <td></td> </tr> </tbody> </table> | Styk | Pozycja łącznika (2) | | | | Nr zacisków | 0 | 1 | 2 | 3 | 1-0-2 | X | | | | 4-0-3 | | X | | | <p>program 13</p> <table border="1"> <thead> <tr> <th>Styk</th> <th colspan="4">Pozycja łącznika (2)</th> </tr> <tr> <th>Nr zacisków</th> <th>0</th> <th>1</th> <th>2</th> <th>3</th> </tr> </thead> <tbody> <tr> <td>1-0-2</td> <td>X</td> <td></td> <td></td> <td></td> </tr> <tr> <td>4-0-3</td> <td></td> <td>X</td> <td></td> <td></td> </tr> <tr> <td>5-0-6</td> <td></td> <td></td> <td>X</td> <td></td> </tr> </tbody> </table> | Styk | Pozycja łącznika (2) | | | | Nr zacisków | 0 | 1 | 2 | 3 | 1-0-2 | X | | | | 4-0-3 | | X | | | 5-0-6 | | | X | | <p>program 14</p> <table border="1"> <thead> <tr> <th>Styk</th> <th colspan="4">Pozycja łącznika (2)</th> </tr> <tr> <th>Nr zacisków</th> <th>0</th> <th>1</th> <th>2</th> <th>3</th> </tr> </thead> <tbody> <tr> <td>4-0-3</td> <td></td> <td>X</td> <td></td> <td></td> </tr> <tr> <td>5-0-6</td> <td></td> <td></td> <td>X</td> <td></td> </tr> <tr> <td>8-0-7</td> <td></td> <td></td> <td></td> <td>X</td> </tr> </tbody> </table> | Styk | Pozycja łącznika (2) | | | | Nr zacisków | 0 | 1 | 2 | 3 | 4-0-3 | | X | | | 5-0-6 | | | X | | 8-0-7 | | | | X | | | | | | | | | | |
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| 4-0-3 | | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5-0-6 | | | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8-0-7 | | | | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>program 05</p> <table border="1"> <thead> <tr> <th>Styk</th> <th colspan="4">Pozycja łącznika (2)</th> </tr> <tr> <th>Nr zacisków</th> <th>0</th> <th>1</th> <th>2</th> <th>3</th> </tr> </thead> <tbody> <tr> <td>1-0-2</td> <td>X</td> <td></td> <td></td> <td></td> </tr> <tr> <td>4-0-3</td> <td></td> <td>X</td> <td></td> <td></td> </tr> </tbody> </table> | Styk | Pozycja łącznika (2) | | | | Nr zacisków | 0 | 1 | 2 | 3 | 1-0-2 | X | | | | 4-0-3 | | X | | | <p>program 06</p> <table border="1"> <thead> <tr> <th>Styk</th> <th colspan="4">Pozycja łącznika (2)</th> </tr> <tr> <th>Nr zacisków</th> <th>0</th> <th>1</th> <th>2</th> <th>3</th> </tr> </thead> <tbody> <tr> <td>1-0-2</td> <td>X</td> <td></td> <td></td> <td></td> </tr> <tr> <td>4-0-3</td> <td></td> <td>X</td> <td></td> <td></td> </tr> </tbody> </table> | Styk | Pozycja łącznika (2) | | | | Nr zacisków | 0 | 1 | 2 | 3 | 1-0-2 | X | | | | 4-0-3 | | X | | | <p>program 15</p> <table border="1"> <thead> <tr> <th>Styk</th> <th colspan="4">Pozycja łącznika (2)</th> </tr> <tr> <th>Nr zacisków</th> <th>0</th> <th>1</th> <th>2</th> <th>3</th> </tr> </thead> <tbody> <tr> <td>1-0-2</td> <td>X</td> <td></td> <td></td> <td></td> </tr> <tr> <td>4-0-3</td> <td></td> <td>X</td> <td></td> <td></td> </tr> <tr> <td>5-0-6</td> <td></td> <td></td> <td>X</td> <td></td> </tr> <tr> <td>8-0-7</td> <td></td> <td></td> <td></td> <td>X</td> </tr> </tbody> </table> | Styk | Pozycja łącznika (2) | | | | Nr zacisków | 0 | 1 | 2 | 3 | 1-0-2 | X | | | | 4-0-3 | | X | | | 5-0-6 | | | X | | 8-0-7 | | | | X | <p>program 16</p> <table border="1"> <thead> <tr> <th>Styk</th> <th colspan="4">Pozycja łącznika (2)</th> </tr> <tr> <th>Nr zacisków</th> <th>0</th> <th>1</th> <th>2</th> <th>3</th> </tr> </thead> <tbody> <tr> <td>1-0-2</td> <td>X</td> <td></td> <td></td> <td></td> </tr> <tr> <td>4-0-3</td> <td></td> <td>X</td> <td></td> <td></td> </tr> <tr> <td>5-0-6</td> <td></td> <td></td> <td>X</td> <td></td> </tr> <tr> <td>8-0-7</td> <td></td> <td></td> <td></td> <td>X</td> </tr> </tbody> </table> | Styk | Pozycja łącznika (2) | | | | Nr zacisków | 0 | 1 | 2 | 3 | 1-0-2 | X | | | | 4-0-3 | | X | | | 5-0-6 | | | X | | 8-0-7 | | | | X |
| Styk | Pozycja łącznika (2) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Nr zacisków | 0 | 1 | 2 | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1-0-2 | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4-0-3 | | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Styk | Pozycja łącznika (2) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Nr zacisków | 0 | 1 | 2 | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1-0-2 | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4-0-3 | | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Styk | Pozycja łącznika (2) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Nr zacisków | 0 | 1 | 2 | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1-0-2 | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4-0-3 | | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5-0-6 | | | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8-0-7 | | | | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Styk | Pozycja łącznika (2) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Nr zacisków | 0 | 1 | 2 | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1-0-2 | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4-0-3 | | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5-0-6 | | | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8-0-7 | | | | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>program 17</p> <table border="1"> <thead> <tr> <th>Styk</th> <th colspan="4">Pozycja łącznika (2)</th> </tr> <tr> <th>Nr zacisków</th> <th>0</th> <th>1</th> <th>2</th> <th>3</th> </tr> </thead> <tbody> <tr> <td>1-0-2</td> <td>X</td> <td></td> <td></td> <td></td> </tr> <tr> <td>4-0-3</td> <td></td> <td>X</td> <td></td> <td></td> </tr> <tr> <td>5-0-6</td> <td></td> <td></td> <td>X</td> <td></td> </tr> <tr> <td>8-0-7</td> <td></td> <td></td> <td></td> <td>X</td> </tr> </tbody> </table> | Styk | Pozycja łącznika (2) | | | | Nr zacisków | 0 | 1 | 2 | 3 | 1-0-2 | X | | | | 4-0-3 | | X | | | 5-0-6 | | | X | | 8-0-7 | | | | X | <p>program 18</p> <table border="1"> <thead> <tr> <th>Styk</th> <th colspan="4">Pozycja łącznika (2)</th> </tr> <tr> <th>Nr zacisków</th> <th>0</th> <th>1</th> <th>2</th> <th>3</th> </tr> </thead> <tbody> <tr> <td>1-0-2</td> <td>X</td> <td></td> <td></td> <td></td> </tr> <tr> <td>4-0-3</td> <td></td> <td>X</td> <td></td> <td></td> </tr> <tr> <td>5-0-6</td> <td></td> <td></td> <td>X</td> <td></td> </tr> <tr> <td>8-0-7</td> <td></td> <td></td> <td></td> <td>X</td> </tr> </tbody> </table> | Styk | Pozycja łącznika (2) | | | | Nr zacisków | 0 | 1 | 2 | 3 | 1-0-2 | X | | | | 4-0-3 | | X | | | 5-0-6 | | | X | | 8-0-7 | | | | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Styk | Pozycja łącznika (2) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Nr zacisków | 0 | 1 | 2 | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1-0-2 | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4-0-3 | | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5-0-6 | | | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8-0-7 | | | | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Styk | Pozycja łącznika (2) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Nr zacisków | 0 | 1 | 2 | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1-0-2 | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4-0-3 | | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5-0-6 | | | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8-0-7 | | | | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>program 19</p> <table border="1"> <thead> <tr> <th>Styk</th> <th colspan="4">Pozycja łącznika (2)</th> </tr> <tr> <th>Nr zacisków</th> <th>0</th> <th>1</th> <th>2</th> <th>3</th> </tr> </thead> <tbody> <tr> <td>1-0-2</td> <td>X</td> <td></td> <td></td> <td></td> </tr> <tr> <td>4-0-3</td> <td></td> <td>X</td> <td></td> <td></td> </tr> <tr> <td>5-0-6</td> <td></td> <td></td> <td>X</td> <td></td> </tr> <tr> <td>8-0-7</td> <td></td> <td></td> <td></td> <td>X</td> </tr> </tbody> </table> | Styk | Pozycja łącznika (2) | | | | Nr zacisków | 0 | 1 | 2 | 3 | 1-0-2 | X | | | | 4-0-3 | | X | | | 5-0-6 | | | X | | 8-0-7 | | | | X | <p>program 20</p> <table border="1"> <thead> <tr> <th>Styk</th> <th colspan="5">Pozycja łącznika (2)</th> </tr> <tr> <th>Nr zacisków</th> <th>0</th> <th>1</th> <th>2</th> <th>3</th> <th>4</th> <th>5</th> </tr> </thead> <tbody> <tr> <td>1-0-2</td> <td>X</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>4-0-3</td> <td></td> <td>X</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>5-0-6</td> <td></td> <td></td> <td>X</td> <td></td> <td></td> <td></td> </tr> <tr> <td>8-0-7</td> <td></td> <td></td> <td></td> <td>X</td> <td></td> <td></td> </tr> </tbody> </table> | Styk | Pozycja łącznika (2) | | | | | Nr zacisków | 0 | 1 | 2 | 3 | 4 | 5 | 1-0-2 | X | | | | | | 4-0-3 | | X | | | | | 5-0-6 | | | X | | | | 8-0-7 | | | | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Styk | Pozycja łącznika (2) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Nr zacisków | 0 | 1 | 2 | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1-0-2 | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4-0-3 | | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5-0-6 | | | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8-0-7 | | | | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Styk | Pozycja łącznika (2) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Nr zacisków | 0 | 1 | 2 | 3 | 4 | 5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1-0-2 | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4-0-3 | | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5-0-6 | | | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8-0-7 | | | | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>program 21</p> <table border="1"> <thead> <tr> <th>Styk</th> <th colspan="5">Pozycja łącznika (2)</th> </tr> <tr> <th>Nr zacisków</th> <th>0</th> <th>1</th> <th>2</th> <th>3</th> <th>4</th> <th>5</th> </tr> </thead> <tbody> <tr> <td>1-0-2</td> <td>X</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>5-0-6</td> <td></td> <td></td> <td>X</td> <td></td> <td></td> <td></td> </tr> </tbody> </table> | Styk | Pozycja łącznika (2) | | | | | Nr zacisków | 0 | 1 | 2 | 3 | 4 | 5 | 1-0-2 | X | | | | | | 5-0-6 | | | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Styk | Pozycja łącznika (2) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Nr zacisków | 0 | 1 | 2 | 3 | 4 | 5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1-0-2 | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5-0-6 | | | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |