

## Model selection



| DPSR | -32 |  | $\times 50$ |  | P | A |  | -EmAR |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Round cylinder | (1) |  | (2) |  | (3) | (4) |  | (5) |
| (1) | -Diameter: 8101216202532405063 |  |  |  |  |  |  |  |
| (2) | $\times$ Stroke ${ }^{11}: 1 . .500$, Refer to Datasheet |  |  |  |  |  |  |  |
| ${ }^{3}$ | Cushion ${ }^{2)}$ : P=Elastic cushioning pads at both ends; PPV= adjustable at both ends; PPS= self-adjusting at both ends |  |  |  |  |  |  |  |
| (4) | Position sensing: A: With magnetic switch; None=Without magnetic switch |  |  |  |  |  |  |  |
| (5) | -Variant |  |  |  |  |  |  |  |
|  | Piston rod |  | Type of operating |  | Cylinder end cover |  | Temperature range |  |
|  |  | One side | Double-acting |  |  | Standard |  | Standard type |
|  | 2 | Through piston rod | E | Single-action (Only MA, buffer P) | MA | Axial supply port, short end cap | T | $-40.80^{\circ} \mathrm{C}$ |
|  |  | $\begin{aligned} & \text { Male } \\ & \text { thread } \end{aligned}$ |  |  | ME | Lateral supply port, short end cap | R | Heat-resistant <br> seals max. $120^{\circ} \mathrm{C}$ |
|  | F | Female thread |  |  | MH | Direct mounting |  |  |

1) Datasheet[mm]

| Diameter $\phi$ | Standard stroke | Max stroke |
| :---: | :---: | :---: |
| 8. 10 | 101520253040506080100 | 1...100 |
| 12 | 101520253040506080100125160200 | 1...200 |
| 16 | 1015202530354050607080100125150160200 | 1...200 |
| 20 | 1015202530354050607080100125150160200250 300320 | 1..320 |
| 25 | 1015202530354050607080100125150160200250 300320400500 | 1..500 |
| 32, 40, 50, 63 | 25405080100125160200250320 | 1..500 |

2) Refer to the following table for the cushion configuration:


## Technical parameter

| General technical data |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $\begin{aligned} & \text { Diameter } \\ & \phi \mathrm{mm} \end{aligned}$ | 8 | 10 | 12 | 16 | 20 | 25 | 32 | 40 | 50 | 63 |
| Based on standard | 1506432 |  |  |  |  |  | - |  |  |  |
| Pneumatic connection | M5 | M5 | M5 | M5 | 61/8 | 61/8 | 61/8 | 61/4 | 61/4 | 63/8 |
| $\begin{aligned} & \text { Piston rod } \\ & \text { thread } \end{aligned}$ | M4 | M4 | M6 | M6 | M8 | M10x1.25 | M10x1.25 | M12x1.25 | M16x1.5 | M16x1.5 |
| $\begin{aligned} & \text { Stroke }{ }^{\text {S1) }} \\ & {[\mathrm{mmm}} \end{aligned}$ | 1... 100 |  | 1... 200 |  | 1... 320 | 1... 500 |  |  |  |  |
| Design | Piston/piston rod/cylinder barrel |  |  |  |  |  |  |  |  |  |

## - Technical parameter

| Cushioning |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Diameter $\phi \mathrm{mm}$ |  | 8 | 10 | 12 | 16 | 20 | 25 | 32 | 40 | 50 | 63 |
| DPSR-...-P |  | Elastic cushioning rings/pads at both ends |  |  |  |  |  |  |  |  |  |
| DPSR....PPV |  | - |  | Cushioning, adjustable at both ends |  |  |  |  |  |  |  |
| DPSR-...-PPS |  | $-\quad$ |  |  | Cushioning, self-adjusting at both ends |  |  |  |  |  |  |
| Cushioning length |  |  |  |  |  |  |  |  |  |  |  |
| DPSR-...-PPV | [mm] | - |  | 9 | 12 | 15 | 17 | 14 | 18 | 20 | 21 |
| DPSR-...-PPS | [mm] |  |  |  | 12 | 15 | 17 | 14 | 18 | 20 | 21 |
| Position sensing |  | Via magnetic switch |  |  |  |  |  |  |  |  |  |
| Type of mounting |  | With accessories |  |  |  |  |  |  |  |  |  |
|  |  | Direct mounting (Only derived type of MH) |  |  |  |  |  |  |  |  |  |
| Mounting position |  | Any |  |  |  |  |  |  |  |  |  |


| Operating and environmental conditions |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Diameter $¢ \mathrm{~mm}$ | 8 | 10 | 12 | 16 | 20 | 25 | 32 | 40 | 50 | 63 |
| Operating medium | Compressed air to ISO 8573-1:2010 [7:4:4] |  |  |  |  |  |  |  |  |  |
| Operating pressure MPa | 0.15~1 |  | 0.1~1 |  |  |  |  |  |  |  |
| Ambient and fluid temperature ${ }^{\circ} \mathrm{C}$ | $-20 \sim 80$ |  |  |  |  |  |  |  |  |  |
| Corrosion resistance class | 2 |  |  |  |  |  |  |  |  |  |
| Speed [mm/s] | Measurements of less than $1 \mathrm{~mm} / \mathrm{s}$ were not conducted |  |  |  |  |  |  |  |  |  |
| Speed with stick-slip-free operation horizontal, without load, at 0.6 MPa (6 bar) | - | - | - |  |  |  | 8... 100 |  |  | 5... 100 |
| Minimum speed, propulsion | - | - | - | 2.7 | 5.3 | < 1 |  |  |  |  |
| Minimum speed, and return | - | - | - | 3.2 | 4.7 | <1 |  |  |  |  |
| Forces [ N ] and impact energy [J] | 1) At $80^{\circ} \mathrm{C}$, these values will decrease by about $50 \%$ |  |  |  |  |  |  |  |  |  |
| Theoretical force at 0.6 MPa ( 6 bar), advancing | 30 | 47 | 68 | 121 | 189 | 295 | 483 | 753 | 1178 | 70 |
| Theoretical force at 0.6 MPa ( 6 bar ), retracting | 23 | 40 | 51 | 104 | 158 | 247 | 415 | 633 | 990 | 1682 |
| Impact energy in the end positions for P cushioning | 0.03 | 0.05 | 0.07 | 0.15 | 0.2 | 0.30 | 0.40 | 0.70 | 1.00 | 1.30 |

Structure Diagram


## Dimensions ( $\phi 8 \sim 25$



| $\phi[m \mathrm{~m}]$ | AM | B¢h9 | BE | BF | CD¢H9 | D $\phi$ | D4中 | EE | EW | G | кк | kv |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 8 | 12 | 12 | M12x1.25 | 12 | 4 | 15 | 9.3 | M5 | 8 | 10 | M4 | 19 |
| 10 |  |  |  |  |  |  | 11.3 |  |  |  |  |  |
| 12 | 16 | 16 | M16x1.5 | 17 | 6 | 20 | 13.3 |  | 12 |  | M6 | 24 |
| 16 |  |  |  |  |  |  | 17.3 |  |  |  |  |  |
| 20 | 20 | 22 | M22x1.5 | 20 | 8 | 27 | 21.3 | 61/8 | 16 |  | M8 | 32 |
| 25 | 22 |  |  | 22 |  |  | 26.5 |  |  |  | M10x1.25 |  |
| Ф[mm] | kw | L | 12 |  | MM ¢ | PL | vD | WF |  | xC+1 | z | こ̧1 |
| 8 | 6 | 6 | 46 |  | 4 |  | 2 | 16 |  | 64 | 62 | - |
| 10 |  |  |  |  |  | 6 |  |  |  |  |  |  |
| 12 | 8 | 9 | 50 |  | 6 |  |  | 22 |  | 75 | 72 | 5 |
| 16 |  |  | 56 |  |  |  |  |  |  | 82 | 78 |  |
| 20 | 11 | 12 | 68 |  | 8 | 8.2 |  | 24 |  | 95 | 92 | 7 |
| 25 |  |  | 69.5 |  | 10 |  |  | 28 |  | 104 | 97.5 | 9 |

DPSR-8 . . 25
MQ - Lateral supply port, short end cap
MA - Axial supply port, short end cap

-Dimensions ( $\phi 8$ ~ 25)

## -DPSR-8 ... 25

MH - With direct mounting


| ¢[mm] | $\begin{array}{\|l\|l} \hline \text { B } \\ \phi \\ \text { h9 } \end{array}$ | $\begin{aligned} & \mathrm{D} 2 \\ & \hline \end{aligned}$ | $\begin{aligned} & \text { D3 } \end{aligned}$ | E | EE | F | $\underset{\phi}{\mathrm{FB}}$ | G | L2 |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  |  |  |  | DPSR-... |  |  |
|  |  |  |  |  |  |  |  |  | -MQ | -MA | -mH |
| 8 | 12 | 10.5 | 6 | 24 | M5 | 3 | 3.4 | 10 | 46 | 43.6 | 53.5 |
| 10 |  | 12.5 |  |  |  |  |  |  |  | 43.1 | 53.8 |
| 12 | 16 | 14.5 | 8 | 30 |  |  | 4.5 |  | 50 | 47.7 | 62 |
| 16 |  | 17.5 |  |  |  |  |  |  | 56 | 53.7 | 67.5 |
| 20 | 22 | 21.7 | 10 | 40 | 61/8 |  | 5.5 | 16 | 68 | 66.5 | 81.5 |
| 25 |  | 26.7 | 11 |  |  |  | 6.6 |  | 69.5 | 68.5 | 86.2 |


| $\phi[m \mathrm{~m}]$ | L3 | L4 | L5 | R | RT | TG | T1 | vo | WF | zJ |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  |  |  |  |  | DPSR-... |  |  |
|  |  |  |  |  |  |  |  |  |  | -MQ | -MA | -MH |
| 8 | 7.6 | 5 | 14 | 12 | м3 | 18 | 3.4 | 16 | 8 | 62 | 59.6 | 61.5 |
| 10 | 7.1 |  |  |  |  |  |  |  |  |  | 59.1 | 61.8 |
| 12 | 7.7 | 6 | 18.1 | 16 | M4 | 23 | 4.5 | 22 | 10 | 72 | 69.7 | 72 |
| 16 |  |  |  |  |  |  |  |  |  | 78 | 75.7 | 77.8 |
| 20 | 14.5 | 7.5 | 22.4 | 22 | M5 | 31 | 5.5 | 28 |  | 92 | 90.5 | 91.5 |
| 25 | 14 |  | 25.2 | 25 |  |  | 6.6 | 32 | 11 | 97.5 | 96.5 | 97.2 |

## Dimensions ( $\boldsymbol{\text { B }}$ 2~63)



| ¢[mm] | AM | B¢h9 | B4 | BE | BF | CD¢E10 | D $\phi$ | D1ф | D4中 | EE | EW | G |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 32 | 22 | 30 | 5 | M30x1.5 | 26 | 10 | 38 | 42 | 33.6 | 61/8 | 16 | 19 |
| 40 | 24 | 38 | 6 | M38x1.5 | 30 | 12 | 46 | 50 | 41.6 | 61/4 | 18 |  |
| 50 | 32 | 45 | 8 | M45x1. 5 | 33 | 16 | 57 | 60 | 52.4 |  | 21 | 25 |
| 63 |  |  |  |  |  |  | 70 |  | 65.4 | 63/8 |  | 28 |


| ¢[mm] | кк | kw | L | L2 | мM ¢ | PL | vD | WF | XC $\pm 1$ | zJ | -®1 | $=32$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 32 | M10x1.25 | 8 | 13 | 69.5 | 12 | 9 | 2 | 34 | 117.5 | 103.5 | 10 | 16 |
| 40 | M12x1.25 | 10 | 15 | 84.6 | 16 |  | 3 | 39 | 139.6 | 123.6 | 13 | 18 |
| 50 | M16x1.5 |  | 16 | 86.2 | 20 | 12 |  | 44 | 147.2 | 130.2 | 17 | 24 |
| 63 |  |  |  | 94.2 |  | 13 |  | 45 | 156.2 | 139.2 |  |  |

## DPSR-32 ... 63

MQ - Lateral supply port, short end cap
MA - Axial supply port, short end cap

## 

-Dimensions ( $\dagger 32 \sim 63$ )

## -DPSR-32 ... 63

MH - With direct mounting


| $\Phi_{[\mathrm{mm}]}$ | ${ }_{\text {¢ }}^{\mathrm{B}}$ | B2 | E | EE | G | F | $\underset{\phi}{\mathrm{FB}}$ | $\begin{aligned} & \text { D2 } \\ & \phi \end{aligned}$ | D3 | $\begin{aligned} & \text { D5 } \\ & \hline \end{aligned}$ | $\begin{aligned} & \text { D6 } \end{aligned}$ | L1 | L2 |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  |  |  |  |  |  |  |  | DPSR-... |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  | -MQ | -MA | -MH |
| 32 | 30 | 1 | 48 | 61/8 | 19 | 4 | 6.6 | 34 | 11 | 9 | 30 | 3 | 69.5 | 65.5 | 85.5 |
| 40 | 38 |  | 54 | 61/4 | 25 |  | 9 | 42 | 14 | 12 | 38 | 4 | 84.6 | 77.6 | 104.6 |
| 50 | 45 |  | 64 |  |  |  |  | 53 |  |  | 45 |  | 86.2 | 86.2 | 109.2 |
| 63 |  | 2 | 72 | G3/8 | 28 |  | 11 | 66 | 18 | 15 | 45 |  | 94.2 | 94.2 | 117.2 |


| $\Phi_{[\mathrm{mm}]}$ | L3 | L4 | L5 | R | RT | то | T1 | T2 | TG | vo | WF | zJ |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  |  |  |  |  |  |  | DPSR-... |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  | -MQ | -MA | -MH |
| 32 | 15 | 12 | 25 | 30 | M5 | 19 | 6.6 | 2.1 | 38 | 40 | 12 | 103.5 | 99.5 | 97.5 |
| 40 | 18 | 15 | 32 | 38 |  | 24 | 9 | 2.6 | 42 | 48 |  | 123.6 | 116.5 | 116.6 |
| 50 | 25 |  | 35 | 42 | M6 | 32 |  |  | 50 | 58 | 15 | 130.2 | 130.2 | 124.2 |
| 63 | 28 |  | 36 | 44 | M8 | 36 | 11 | 3.1 | 52 | 72 |  | 139.2 | 139.2 | 132.2 |

## Type of mounting

## LB Axial foundation Type

Material: Galvanized steel
(PPus stroke length

| Diameter <br> ¢[mm] | AB $\phi$ | AH | AO | AT | AU | R1 | SA | TR | US | XA | XS | Code |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| 8,10 | 4.5 | 16 | 5 | 3 | 11 | 10 | 68 | 25 | 35 | 73 | 24 | LB- $8 / 10 \times 1$ |
| 12 | 5.5 | 20 | 6 | 4 | 14 | 13 | 78 | 32 | 42 | 86 | 32 | LB-12/16 $\times 1$ |
| 16 | 5.5 | 20 | 6 | 4 | 14 | 13 | 84 | 32 | 42 | 92 | 32 | LB- $12 / 16 \times 2$ |
| 20 | 6.6 | 25 | 8 | 5 | 17 | 20 | 102 | 40 | 54 | 109 | 36 | LB-20/25 $\times 1$ |
| 25 | 6.6 | 25 | 8 | 5 | 17 | 20 | 103.5 | 40 | 54 | 114.5 | 40 | LB-20/25 $\times 2$ |

LBN Axial foundation Type
Material: Galvanized steel


| Diameter <br> $\Phi[m m]$ | AB $\phi$ | AT | H1 | TF | TR | US | W | ZF | Code |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| 32 | 7 | 4 | 14 | 28 | 52 | 66 | 30 | 107.5 | LBN-32 |
| 40 | 9 | 5 | 18 | 30 | 60 | 80 | 29 | 123.6 | LBN-40 |
| 50 | 9 | 6 | 20 | 40 | 70 | 90 | 38 | 136.2 | LBN-50 |
| 63 | 9 | 6 | 20 | 50 | 76 | 96 | 39 | 145.2 | LBN-63 |

## Type of mounting

## FA/FB Front Flange Type

## Material: Galvanized stee



| Diameter <br> ¢(mm $]$ | AB $\phi$ | AT | TF | UF | UR | W | ZF | Code |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| 8,10 | 4.5 | 3 | 30 | 40 | 25 | 13 | 65 | FB-8/10 |
| 12 | 5.5 | 4 | 40 | 53 | 30 | 18 | 76 | FB-12/16 |
| 16 | 5.5 | 4 | 40 | 53 | 30 | 18 | 82 |  |
| 20 | 6.6 | 5 | 50 | 66 | 40 | 19 | 97 | FB-20/25 |
| 25 | 6.6 | 5 | 50 | 66 | 40 | 23 | 102.5 |  |

## Swivel mounting SBN

\section*{ | Bearng: $\begin{array}{l}\text { Sronnze } \\ \text { Srawewse: } \\ \text { Bravaniz }\end{array}$ |
| :--- |}



| Diameter <br> Q[mm] | CM | FL | GL | HB | LImax. | LE | MR | RF | RG | UK | UX | Code |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| $20 / 25$ | $38.1+0.4$ | 35 | 20 | 7 | 60.2 | 31 | 12 | 20 | 24 | 46.1 | 40 | SBN-20/25 |
| 32 | $466.1+0.2$ | 40 | 27 | 9 | 72.2 | 35 | 13 | 28 | 30 | 56.1 | 50 | SBN-32 |
| 40 | $57.1+0.2$ | 45 | 30 | 9 | 88.2 | 39 | 14 | 36 | 34 | 69.1 | 54 | SBN-40 |
| $50 / 63$ | $70.1+0.4$ | 50 | 34 | 9 | 102.2 | 44 | 16 | 42 | 35 | 82.1 | 65 | SBN-50/63 |

Type of mounting

## TA/TB Front/Rear Form

Material: Galvanized steel



| Diameter <br> $\Phi[\mathrm{mm}]$ | TD $\phi$ <br> $-0.01 /-0.05$ | TK | TM | UM | UW | XH | XL | Code |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| 8,10 | 4 | 6 | 26 | 38 | 20 | 13 | 65 |  |
| 12 | 6 | 8 | 38 | 58 | 25 | 18 | 76 | TA- $/ 10$ |
| 16 | 6 | 8 | 38 | 58 | 25 | 18 | 82 | TA-12/16/16 |
| 20 | 6 | 8 | 46 | 66 | 30 | 20 | 96 | TA-20/25 |
| 25 | 6 | 8 | 46 | 66 | 30 | 24 | 101.5 | TA-20/25 |
| 32 | 8 | 12 | 50 | 76 | 40 | 28 | 109.5 | TA-32 |
| 40 | 10 | 15 | 60 | 92 | 50 | 31.5 | 126.1 | TA-40 |
| 50 | 12 | 20 | 80 | 116 | 65 | 34 | 140.2 | TA-50/63 |
| 63 | 12 | 20 | 80 | 116 | 65 | 35 | 149.2 | TA-50/63 |

## Clevis foot

| Material: Galvanized steel |
| :--- |



| List of installation components and accessories |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Number | Code | Name | Diameter $\phi$ | DPSR | MA | MQ | мн |
| ${ }^{[1]}$ | YY | Fish eye joint | $8 . .63$ | $\square$ | $\square$ | $\square$ | ■ |
| [2] | kSG | Hex nut | $12 . . .63$ | $\square$ | $\square$ | $\square$ | $\square$ |
| [3] | Y | Y joint | $8 . .63$ | $\square$ | $\square$ | $\square$ | $\square$ |
| [4] | 1 | 1 joint | $8 . .63$ | $\square$ | $\square$ | $\square$ | $\square$ |
| [5] | FD | Floating junction | $8 . .63$ | $\square$ | $\square$ | $\square$ | $\square$ |
| ${ }^{[6]}$ | FB | rear flange | 8... 63 | $\square$ | $\square$ | $\square$ | - |
| [7] | LBN | Axial Foundation | $8 . .63$ | $\square$ | $\square$ | $\square$ | - |
| [8] | TA/TB | Front/ rear axle pin seat | $8 . .63$ | $\square$ | $\square$ | $\square$ | - |
| [9] | SBN | Swivel mounting | $20 . . .63$ | $\square$ | $\square$ | $\square$ | - |
| [10] | $u$ | Clevis foot | $8 . .63$ | $\square$ | - | - | - |
| [11] | NSE | One-way flow control valve | 8... 63 | $\square$ | $\square$ | $\square$ | ■ |
| [12] | PC | Push-in fitting | $8 . . .63$ | $\square$ | $\square$ | $\square$ | $\square$ |
| [13] | cJ | assembly | 8... 63 | $\square$ | $\square$ | $\square$ | $\square$ |
| [14] | c | Magnetic switch | $8 . .63$ | $\square$ | $\square$ | $\square$ | $\square$ |
| [15] | CBZ | Right-angle clevis foot | 32...63 | $\square$ | $\square$ | $\square$ | ■ |
| [16] | YF | Y joint (With male thread) | 32...63 | $\square$ | $\square$ | $\square$ | $\square$ |
| [17] | CBG | Clevis foot | 32...63 | $\square$ | $\square$ | $\square$ | $\square$ |
| [18] | DX | Guide unit | 8... 25 | $\square$ | $\square$ | $\square$ | - |
| [19] | FCZ | Dust Cover | $12 . . .63$ | $\square$ | $\square$ | $\square$ | - |
| [20] | LB | Axial Foundation | 8... 63 | $\square$ | $\square$ | $\square$ | - |

## Accessories

-Piston rod attachments

| Name | For Diameter $\varnothing$ | Type | Name | For Diameter $\varnothing$ | Type |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Fish eye joint YY |  |  | I joint |  |  |
|  | 8,10 | W-M4 |  | 32 | l-M10*1.25 |
|  | 12,16 | Y-M6 |  | 40 | I-M12*1.25 |
|  | 20, | Y-M8 |  | 50, 63 | I-M16*1.5 |
|  | 25,32 | W-M10x1.25 |  |  |  |
|  | 40 | W-M12x1.25 |  |  |  |
|  | 50,63 | WY-M16x1.5 |  |  |  |
| Y joint |  |  | Floating junction FD |  |  |
|  | 8 | Y-M4 |  | 8 | FD-M4 |
|  | 10 |  |  | 10 |  |
|  | 12, 16 | Y-M6 |  | 12, 16 | FD-M6 |
|  | 20 | Y-M8 |  | 20 | FD-M8 |
|  | 25,32 | Y-M10x1.25 |  | 25,32 | FD-M10x1.25 |
|  | 40 | Y-M12x1.25 |  | 40 | FD-M12x1.25 |
|  | 50,63 | Y-M16x1.5 |  | 50, 63 | FD-M16x1.5 |

## . C magnetic switch

Magnetic switch is used for T -groove(With switch mounting assembly)

|  | Type of mounting | Switching output | Connection | Cable length m | Type | Diameter $\phi$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Normal open |  |  |  |  |  |  |
| $\underline{\underline{\underline{L}}}$ | Tighten the hoop and screws | PNP | Magnetoresistive, 3-wire | 1.3 | CDX-15P-1.3 | 8-63 |
|  |  | NPN | Magnetoresistive, 3-wire | 1.3 | CDX-15N-1.3 |  |
|  |  | R | Tongue spring type, <br> 2-wire | 1.3 | CDX-15R-1.3 |  |
|  |  |  |  | 2.5 | CDX-15R-2.5 |  |

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