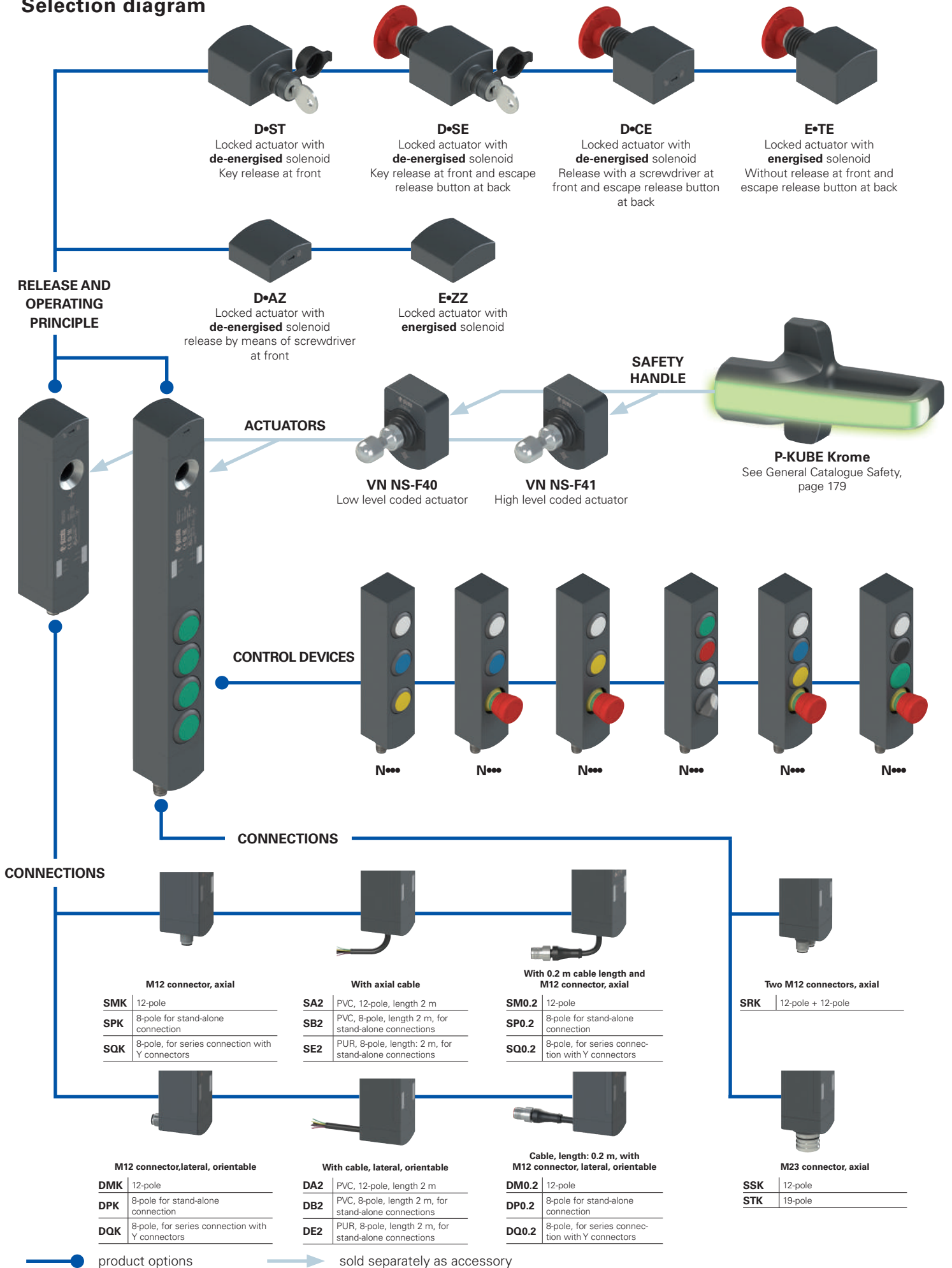


## Selection diagram





**Code structure** **Attention!** The feasibility of a code number does not mean the effective availability of a product. Please contact our sales office.

article options

**NS D4AZ1SMK-F41N001E36LP30**

**Operating principle**

|          |  |
|----------|--|
| <b>D</b> | locked actuator with de-energised solenoid, mode 1 |
| <b>E</b> | locked actuator with energised solenoid, mode 1    |
| <b>G</b> | locked actuator with de-energised solenoid, mode 2 |
| <b>H</b> | locked actuator with energised solenoid, mode 2    |
| <b>L</b> | locked actuator with de-energised solenoid, mode 3 |
| <b>M</b> | locked actuator with energised solenoid, mode 3    |

**Inputs and outputs**

|          |   |
|----------|---|
| <b>3</b> | 2 safety inputs IS1, IS2<br>2 safety outputs OS1, OS2<br>1 signalling output O3: actuator inserted<br>1 signalling output O4: actuator locked<br>2 solenoid activation inputs IE1, IE2<br>1 reset input I3<br><i>Note: Supplied only together with actuator</i>                               |
| <b>4</b> | 2 safety inputs IS1, IS2<br>2 safety outputs OS1, OS2<br>1 signalling output O3: actuator inserted<br>1 signalling output O4: actuator locked<br>2 solenoid activation inputs IE1, IE2<br>1 programming / reset input I3  |
| <b>5</b> | 2 safety inputs IS1, IS2<br>2 safety outputs OS1, OS2<br>1 signalling output O3: actuator inserted<br>1 signalling output O4: actuator locked<br>2 solenoid activation inputs IE1, IE2<br>1 programming / reset input I3<br>1 feedback input EDM I5<br><i>Note: Not available with mode 3</i> |

**Auxiliary release at front and back**

|           |  |
|-----------|--|
| <b>AZ</b> | release by means of screwdriver at front<br><i>only available for operating principle D, G and L</i>                                   |
| <b>ST</b> | key release at front<br><i>only available for operating principle D, G and L</i>   |
| <b>SE</b> | key release at front and escape release button at back<br><i>only available for operating principle D, G and L</i>                     |
| <b>CE</b> | release by means of screwdriver at front and escape release button at back<br><i>only available for operating principle D, G and L</i> |
| <b>ZZ</b> | without release<br><i>only available for operating principle E, H and M</i>  |
| <b>TE</b> | Without release at front and escape release button at back<br><i>only available for operating principle E, H and M</i>                 |

**Output direction, connections**

|          |                             |
|----------|-----------------------------|
| <b>D</b> | cable or connector, lateral |
| <b>S</b> | cable or connector, axial   |

**Release button length**

|             |  |
|-------------|--|
|             | for max. 15 mm wall thickness (standard) |
| <b>LP30</b> | for max. 30 mm wall thickness            |
| <b>LP40</b> | for max. 40 mm wall thickness            |
| <b>LP50</b> | for max. 50 mm wall thickness            |

**Actuator extraction force**

|            |   |
|------------|---|
|            | actuator extraction force 20 N (standard) |
| <b>E36</b> | actuator freely removable                 |
| <b>E37</b> | actuator extraction force 40 N            |

**Button configurations**

|             |                                 |
|-------------|---------------------------------|
| <b>N001</b> | configuration 001               |
| <b>N002</b> | configuration 002               |
| <b>N002</b> | configuration 003               |
| ...         | other configurations on request |

**Actuator**

|            |  |
|------------|--|
| <b>F40</b> | low level coded actuator VN NS-F40<br><i>the switch recognises any type F40 actuator</i>         |
| <b>F41</b> | high level coded actuator VN NS-F41<br><i>the switch recognises one single type F41 actuator</i> |

**Connection type**

|            |  |
|------------|--|
| <b>K</b>   | integrated M12 connector (standard)      |
| <b>0.2</b> | cable, length: 0.2 m, with M12 connector |
| <b>2</b>   | cable, length: 2 m (standard)            |
| ...        | .....                                    |
| <b>10</b>  | cable, length: 10 m                      |

**Cable or connector type**

|          |   |
|----------|---|
| <b>A</b> | PVC cable 12x0.14 mm <sup>2</sup> (standard)  |
| <b>B</b> | PVC cable 8x0.34 mm <sup>2</sup> , for stand-alone connections<br><i>Note: without inputs IS1, IS2, I5 and without output O4</i>                |
| <b>E</b> | PUR cable, halogen-free, 8x0.34 mm <sup>2</sup> , for stand-alone connections<br><i>Note: without inputs IS1, IS2, I5 and without output O4</i> |
| <b>M</b> | M12 connector, 12-pole (standard)   |
| <b>P</b> | M12 connector, 8-pole, for stand-alone connections<br><i>Note: without inputs IS1, IS2, I5 and without output O4</i>                            |
| <b>Q</b> | M12 connector, 8-pole, for series connection with Y connectors<br><i>Note: without inputs IE2, I3, I5 and without output O3</i>                 |
| <b>R</b> | two M12 connectors (12-pole + 12-pole)<br><i>Note: only for items with integrated control devices</i>   |
| <b>S</b> | M23 connector, 12-pole<br><i>Note: only for items with integrated control devices</i>   |
| <b>T</b> | M23 connector, 19-pole<br><i>Note: only for items with integrated control devices</i>   |

For the complete list of possible combinations please contact our technical department.

**Code structure for actuator**

**VN NS-F40**

|                 |  |
|-----------------|--|
| <b>Actuator</b> |  |
| <b>F40</b>      | low level coded actuator<br><i>the switch recognises any type F40 actuator</i>         |
| <b>F41</b>      | high level coded actuator<br><i>the switch recognises one single type F41 actuator</i> |