

| Product variant | Functional principle                  | Functional principle detail                           | Object distance (min.) | Object distance (max.) | Switching output | Switching output detail | Switching mode       | Connection type | Connection type Detail    | Light spot size | Adjustment             | Design detail | Dimension (length) | Dimension (depth) |
|-----------------|---------------------------------------|-------------------------------------------------------|------------------------|------------------------|------------------|-------------------------|----------------------|-----------------|---------------------------|-----------------|------------------------|---------------|--------------------|-------------------|
| VTE18L-4P324    | Photoelectric proximity sensor        | Energetic                                             | 0 mm                   | 400 mm                 | PNP              | PNP                     | Light/dark switching | male connector  | male connector M12, 4-pin | Ø 8 mm (300 mm) | cable, Teach-in button | axial         | 18 mm              | 97.7 mm           |
| VL18L-4P324     | Photoelectric retro-reflective sensor | With minimum distance to reflector (dual lens system) | 100 mm                 | 35000 mm               | PNP              | PNP                     | Light/dark switching | male connector  | male connector M12, 4-pin | Ø 9 mm (35 m)   | cable, Teach-in button | axial         | 18 mm              | 97.7 mm           |
| VSE18L-4P324    | Through-beam photoelectric sensor     |                                                       | 0 mm                   | 60000 mm               | PNP              | PNP                     | Light/dark switching | male connector  | male connector M12, 4-pin | Ø 40 mm (50 m)  | Potentiometer          | axial         | 18 mm              | 97.7 mm           |
| VTE18L-4N324    | Photoelectric proximity sensor        | Energetic                                             | 0 mm                   | 400 mm                 | NPN              | NPN                     | Light/dark switching | male connector  | male connector M12, 4-pin | Ø 8 mm (300 mm) | cable, Teach-in button | axial         | 18 mm              | 97.7 mm           |
| VL18L-3P324     | Photoelectric retro-reflective sensor | With minimum distance to reflector (dual lens system) | 100 mm                 | 35000 mm               | PNP              | PNP                     | Dark switching       | male connector  | male connector M12, 4-pin | Ø 9 mm (35 m)   | cable, Teach-in button | axial         | 18 mm              | 97.7 mm           |
| VSE18L-4N344    | Through-beam photoelectric sensor     |                                                       | 0 mm                   | 60000 mm               | NPN              | NPN                     | Light/dark switching | male connector  | male connector M12, 4-pin | Ø 40 mm (50 m)  | Potentiometer          | rigid         | 18 mm              | 107.7 mm          |
| VL18L-4P324S01  | Photoelectric retro-reflective sensor | With minimum distance to reflector (dual lens system) | 100 mm                 | 35000 mm               | PNP              | PNP                     | Light/dark switching | male connector  | male connector M12, 4-pin | Ø 9 mm (35 m)   | Teach-in button        | axial         | 18 mm              | 97.7 mm           |
| VL18L-4P344     | Photoelectric retro-reflective sensor | With minimum distance to reflector (dual lens system) | 100 mm                 | 35000 mm               | PNP              | PNP                     | Light/dark switching | male connector  | male connector M12, 4-pin | Ø 9 mm (35 m)   | cable, Teach-in button | rigid         | 18 mm              | 107.7 mm          |
| VTE18L-4N344    | Photoelectric proximity sensor        | Energetic                                             | 2 mm                   | 250 mm                 | NPN              | NPN                     | Light/dark switching | male connector  | male connector M12, 4-pin | Ø 5 mm (200 mm) | cable, Teach-in button | rigid         | 18 mm              | 107.7 mm          |
| VL18L-3F324     | Photoelectric retro-reflective sensor | With minimum distance to reflector (dual lens system) | 100 mm                 | 35000 mm               | PNP              | PNP                     | Light switching      | male connector  | male connector M12, 4-pin | Ø 9 mm (35 m)   | cable, Teach-in button | axial         | 18 mm              | 97.7 mm           |
| VL18L-4N344     | Photoelectric retro-reflective sensor | With minimum distance to reflector (dual lens system) | 100 mm                 | 35000 mm               | NPN              | NPN                     | Light/dark switching | male connector  | male connector M12, 4-pin | Ø 9 mm (35 m)   | cable, Teach-in button | rigid         | 18 mm              | 107.7 mm          |
| VL18L-4P322     | Photoelectric retro-reflective sensor | With minimum distance to reflector (dual lens system) | 100 mm                 | 35000 mm               | PNP              | PNP                     | Light/dark switching | cable           | Cable, 4-wire             | Ø 9 mm (35 m)   | cable, Teach-in button | axial         | 18 mm              | 97.7 mm           |
| VL18L-4P342     | Photoelectric retro-reflective sensor | With minimum distance to reflector (dual lens system) | 100 mm                 | 35000 mm               | PNP              | PNP                     | Light/dark switching | cable           | cable                     | Ø 9 mm (35 m)   | cable, Teach-in button | rigid         | 18 mm              | 107.7 mm          |

| Product variant | Functional principle                  | Functional principle detail                           | Object distance (min.) | Object distance (max.) | Switching output | Switching output detail | Switching mode       | Connection type | Connection type Detail    | Light spot size | Adjustment             | Design detail | Dimension (length) | Dimension (depth) |
|-----------------|---------------------------------------|-------------------------------------------------------|------------------------|------------------------|------------------|-------------------------|----------------------|-----------------|---------------------------|-----------------|------------------------|---------------|--------------------|-------------------|
| VSE18L-4P344    | Through-beam photoelectric sensor     |                                                       | 0 mm                   | 60000 mm               | PNP              | PNP                     | Light/dark switching | male connector  | male connector M12, 4-pin | Ø 40 mm (50 m)  | Potentiometer          | rigid         | 18 mm              | 107.7 mm          |
| VL18L-4N324     | Photoelectric retro-reflective sensor | With minimum distance to reflector (dual lens system) | 100 mm                 | 35000 mm               | NPN              | NPN                     | Light/dark switching | male connector  | male connector M12, 4-pin | Ø 9 mm (35 m)   | cable, Teach-in button | axial         | 18 mm              | 97.7 mm           |
| VSE18L-4N324    | Through-beam photoelectric sensor     |                                                       | 0 mm                   | 60000 mm               | NPN              | NPN                     | Light/dark switching | male connector  | male connector M12, 4-pin | Ø 40 mm (50 m)  | Potentiometer          | axial         | 18 mm              | 97.7 mm           |
| VTE18L-4P344    | Photoelectric proximity sensor        | Energetic                                             | 2 mm                   | 250 mm                 | PNP              | PNP                     | Light/dark switching | male connector  | male connector M12, 4-pin | Ø 5 mm (200 mm) | cable, Teach-in button | rigid         | 18 mm              | 107.7 mm          |

| Product variant | Dimension (width) | MTTFD | Current consumption | Switching mode selector          | Switching frequency | Response time | Optical axis | Weight | Product version | Sensing range | Sensing range max. | Certificate                                                 |
|-----------------|-------------------|-------|---------------------|----------------------------------|---------------------|---------------|--------------|--------|-----------------|---------------|--------------------|-------------------------------------------------------------|
| VTE18L-4P324    | 18 mm             |       | 30 mA               | Selectable via control input C   | 800 Hz              | ≤ 0.625 ms    | axial        | 60 g   | VTE18L          | 400 mm        | 150 ... 500 mm     | EU declaration of conformity, China-RoHS, cULus certificate |
| VL18L-4P324     | 18 mm             | 451 a | 20 mA               | Selectable via control input C   | 800 Hz              | ≤ 0.625 ms    | axial        | 60 g   | VL18L           | 35 m          | 20 ... 45 m        | EU declaration of conformity, China-RoHS, cULus certificate |
| VSE18L-4P324    | 18 mm             | 470 a | 25 mA               | Selectable via L/D control cable | 1000 Hz             | ≤ 0.5 ms      | axial        | 120 g  | VSE18L          | 60 m          | More than 45 m     | EU declaration of conformity, China-RoHS, cULus certificate |
| VTE18L-4N324    | 18 mm             |       | 30 mA               | Selectable via control input C   | 800 Hz              | ≤ 0.625 ms    | axial        | 60 g   | VTE18L          | 400 mm        | 150 ... 500 mm     | EU declaration of conformity, China-RoHS, cULus certificate |
| VL18L-3P324     | 18 mm             |       | 20 mA               |                                  | 800 Hz              | ≤ 0.625 ms    | axial        | 60 g   | VL18L           | 35 m          | 20 ... 45 m        | EU declaration of conformity, China-RoHS, cULus certificate |
| VSE18L-4N344    | 18 mm             |       | 25 mA               | Selectable via L/D control cable | 1000 Hz             | ≤ 0.5 ms      | radial       | 120 g  | VSE18L          | 60 m          | More than 45 m     | EU declaration of conformity, China-RoHS, cULus certificate |
| VL18L-4P324S01  | 18 mm             |       | 20 mA               |                                  | 800 Hz              | ≤ 0.625 ms    | axial        | 60 g   | VL18L           | 35 m          | 20 ... 45 m        | EU declaration of conformity, China-RoHS, cULus certificate |
| VL18L-4P344     | 18 mm             | 480 a | 20 mA               | Selectable via control input C   | 800 Hz              | ≤ 0.625 ms    | radial       | 60 g   | VL18L           | 35 m          | 20 ... 45 m        | EU declaration of conformity, China-RoHS, cULus certificate |
| VTE18L-4N344    | 18 mm             |       | 30 mA               | Selectable via control input C   | 800 Hz              | ≤ 0.625 ms    | radial       | 60 g   | VTE18L          | 250 mm        | 150 ... 500 mm     | EU declaration of conformity, China-RoHS, cULus certificate |
| VL18L-3F324     | 18 mm             | 594 a | 20 mA               |                                  | 800 Hz              | ≤ 0.625 ms    | axial        | 60 g   | VL18L           | 35 m          | 20 ... 45 m        | EU declaration of conformity, China-RoHS, cULus certificate |
| VL18L-4N344     | 18 mm             |       | 20 mA               | Selectable via control input C   | 800 Hz              | ≤ 0.625 ms    | radial       | 60 g   | VL18L           | 35 m          | 20 ... 45 m        | EU declaration of conformity, China-RoHS, cULus certificate |
| VL18L-4P322     | 18 mm             |       | 20 mA               | Selectable via control input C   | 800 Hz              | ≤ 0.625 ms    | axial        | 60 g   | VL18L           | 35 m          | 20 ... 45 m        | EU declaration of conformity, China-RoHS, cULus certificate |
| VL18L-4P342     | 18 mm             |       | 20 mA               | Selectable via control input C   | 800 Hz              | ≤ 0.625 ms    | radial       | 60 g   | VL18L           | 35 m          | 20 ... 45 m        | EU declaration of conformity, China-RoHS, cULus certificate |

| Product variant | Dimension (width) | MTTFD | Current consumption | Switching mode selector          | Switching frequency | Response time | Optical axis | Weight | Product version | Sensing range | Sensing range max. | Certificate                                                 |
|-----------------|-------------------|-------|---------------------|----------------------------------|---------------------|---------------|--------------|--------|-----------------|---------------|--------------------|-------------------------------------------------------------|
| VSE18L-4P344    | 18 mm             | 280 a | 25 mA               | Selectable via L/D control cable | 1000 Hz             | ≤ 0.5 ms      | radial       | 120 g  | VSE18L          | 60 m          | More than 45 m     | EU declaration of conformity, China-RoHS, cULus certificate |
| VL18L-4N324     | 18 mm             |       | 20 mA               | Selectable via control input C   | 800 Hz              | ≤ 0.625 ms    | axial        | 60 g   | VL18L           | 35 m          | 20 ... 45 m        | EU declaration of conformity, China-RoHS, cULus certificate |
| VSE18L-4N324    | 18 mm             |       | 25 mA               | Selectable via L/D control cable | 1000 Hz             | ≤ 0.5 ms      | axial        | 120 g  | VSE18L          | 60 m          | More than 45 m     | EU declaration of conformity, China-RoHS, cULus certificate |
| VTE18L-4P344    | 18 mm             |       | 30 mA               | Selectable via control input C   | 800 Hz              | ≤ 0.625 ms    | radial       | 60 g   | VTE18L          | 250 mm        | 150 ... 500 mm     | EU declaration of conformity, China-RoHS, cULus certificate |