

# Data sheet

|                                  |  |
|----------------------------------|--|
| Sensing type                     | Through-beam type(cross beam)                        |
| Sensing distance                 | 1 to 7m  |
| Light source                     | Infrared LED(850nm modulated)                        |
| Optical axis pitch               | 40mm   |
| Number of optical axes           | 18   |
| Sensing height                   | 680mm  |
| Power supply                     | 12-24VDC $\pm$ 10%(ripple P-P: max. 10%)             |
| Control output                   | NPN open collector                                   |
| Operation mode                   | Dark ON  |
| Environment_Ambient illumination | Ambient light: Max. 100,000lx(receiver illumination) |
| Environment_Ambient temperature  | -10 to 55°C, storage: -20 to 60°C                    |
| Connection type                  | Cable connector type(Ø5, 300mm, M12)                 |
| Protection structure             | IP67(IEC standard)                                   |
| Environment_Ambient humidity     | 35 to 85% RH, storage: 35 to 85% RH                  |
| Min. sensing target              | Opaque material of min. Ø50mm                        |
| Response time                    | Max. 50ms  |
| Material                         | Case: Aluminum, Sensing part and indicator: Acrylic  |
| Cable specification              | Ø5mm, 4-wire, 300mm, M12 connector                   |
| Accessories                      | Bracket A: 4, Bracket B: 4, Fixing bolt: 8           |
| Weight                           | Approx. 2.1kg(approx. 1.7kg)(based on BWC80-14H)     |