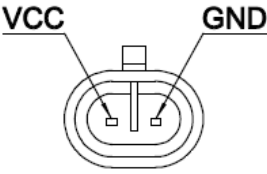
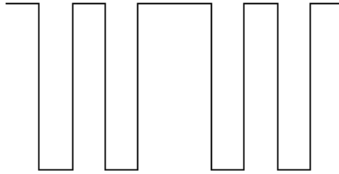
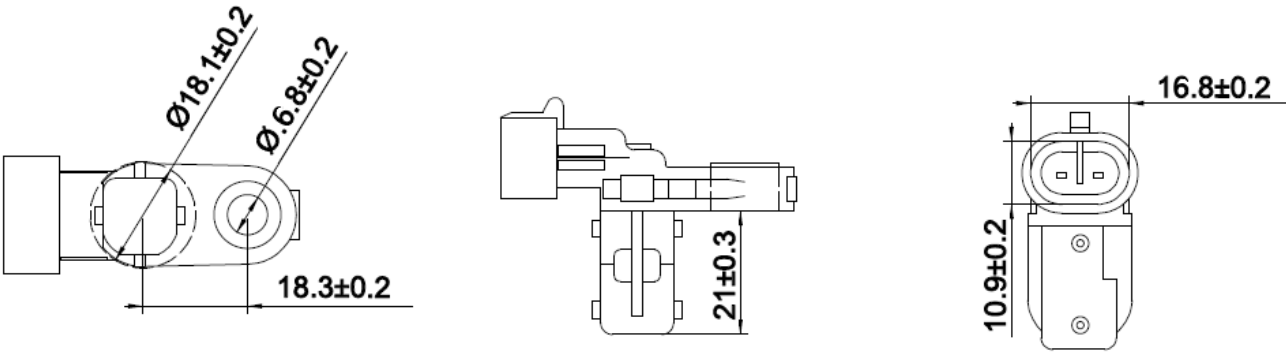


|             |                                           |           |                    |
|-------------|-------------------------------------------|-----------|--------------------|
| <b>NAME</b> | <b>AB-EU688 Electrical Specifications</b> | <b>NO</b> | <b>AB-2-4-1200</b> |
|-------------|-------------------------------------------|-----------|--------------------|

|                                                                                                     |                                                                                                   |                                                                                                                                                     |
|-----------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Picture</b><br> | <b>Plug</b><br> | <b>Waveform</b><br><br>Out Voltage: $V_{OL} \leq 1V \leq V_{OH}$ |
|-----------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|

|                                                                                                                     |  |  |
|---------------------------------------------------------------------------------------------------------------------|--|--|
| <b>Drawing and Dimension</b><br> |  |  |
|---------------------------------------------------------------------------------------------------------------------|--|--|

TYPE : ☒ Hall ☐ Magnetic

| Parameter                                                                      | SYMBOLS         | MIN. | TYP. | MAX. | UNITS |
|--------------------------------------------------------------------------------|-----------------|------|------|------|-------|
| Resistance (25°C)                                                              | R               | N/A  | N/A  | N/A  | ohm   |
| Inductance@1KHz                                                                | L               | N/A  | N/A  | N/A  | mH    |
| Working Voltage                                                                | V               | 5    | 12   | 18   | V     |
| Detecting range                                                                | Air Gap         | N/A  | 1    | N/A  | mm    |
| Magnetic field direction<br>SFS=South facing sensor<br>NFS=North facing sensor |                 | N/A  | N/A  | N/A  |       |
| Duty ratio(t1/T)                                                               | Duty            | 45   | 50   | 55   | %     |
| Temperature                                                                    | To              | -40  | 25   | 125  | °C    |
| Reference Teeth                                                                |                 | N/A  | 58   | N/A  |       |
| Output Voltage Low<br>(600RPM,12V,1mm)                                         | V <sub>OL</sub> | 0.3  | 0.6  | 0.9  | V     |
| Output Voltage High<br>(600RPM,12V,1mm)                                        | V <sub>OH</sub> | 1.1  | 1.4  | 1.7  | V     |

|                       |                         |         |            |        |          |                    |
|-----------------------|-------------------------|---------|------------|--------|----------|--------------------|
| 2022.03.03            |                         | 1       |            |        |          | <b>MOBILETRON</b>  |
| Date of first edition | Date of revised edition | edition | Manuscript | Review | Approval | <b>Mar.08.2022</b> |
|                       |                         |         |            |        |          | <b>Release</b>     |