

MAGNUM  
RFID Reader Industry  
Stationary

PART ID:  
4019

The MAGNUM 4019 Industrial-Reader with RS232 Interface is used by system integrators and endusers in the factory and process automation application to identify industrial parts and devices by most LF RFID TAGS. The reader device is integrated into a M30 thread housing for easy mounting

Main Specifications

|                       |                                                   |
|-----------------------|---------------------------------------------------|
| Frequencies           | LF HF UHF                                         |
| Material              | POM                                               |
| Operating Temperature | -20°C to 65°C                                     |
| IP Class              | IP68                                              |
| Compliance            | RoHs & Reach, CE                                  |
| Key Features          | Rough Environment, M30 Housing, Standard Plug M12 |
| Options               | RS485, USB                                        |



Full Specifications

|                  |                                                                                                                                                                                                                                                                                                |
|------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product ID       | 4019                                                                                                                                                                                                                                                                                           |
| Name             | MAGNUM                                                                                                                                                                                                                                                                                         |
| Material         | POM                                                                                                                                                                                                                                                                                            |
| Shape            | Short Range                                                                                                                                                                                                                                                                                    |
| Long Description | The MAGNUM 4019 Industrial-Reader with RS232 Interface is used by system integrators and endusers in the factory and process automation application to identify industrial parts and devices by most LF RFID TAGS. The reader device is integrated into a M30 thread housing for easy mounting |
| Key Features     | Rough Environment, M30 Housing, Standard Plug M12                                                                                                                                                                                                                                              |
| Options          | RS485, USB                                                                                                                                                                                                                                                                                     |
| Article Type     | Stationary                                                                                                                                                                                                                                                                                     |
| Color            | Black                                                                                                                                                                                                                                                                                          |
| Length [mm]      | 100                                                                                                                                                                                                                                                                                            |
| Width [mm]       | 30                                                                                                                                                                                                                                                                                             |
| Thickness [mm]   | 30                                                                                                                                                                                                                                                                                             |
| Weight [g]       | 120                                                                                                                                                                                                                                                                                            |
| IP Class         | IP68                                                                                                                                                                                                                                                                                           |

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|                            |                                                     |
|----------------------------|-----------------------------------------------------|
| PCB Material               | FR4                                                 |
| Chemical Resistance        | Not Specified                                       |
| Flame Resistance           | Not Specified                                       |
| Mechanical Resistance      | Not Specified                                       |
| Compliance                 | RoHs & Reach, CE                                    |
| Read / Read Write          | Read&Write                                          |
| Typical Reading Range      | 80-100mm                                            |
| Supported Standards / Tags | EM410x, FDX-B, HDX, Hitag1/2/S, 5577, EM4305,EM4450 |
| Operating Temp °C (min)    | -20                                                 |
| Operating Temp °C (max)    | 65                                                  |
| Storage Temp °C (min)      | -20                                                 |
| Storage Temp °C (max)      | 65                                                  |
| Power Supply               | 5V DC                                               |
| Battery Type               | None                                                |
| Battery Capacity           | None                                                |
| Operating Frequency        | LF                                                  |
| Frequency Range            | 125 - 134 kHz                                       |
| Current Consumption        | 100mA                                               |
| Interfaces Physical        | RS232/RS485/USB                                     |
| Interfaces Protocol        | ASCII                                               |
| Transfer rate [Baud]       | 9600                                                |
| Antenna Ports              | 1                                                   |
| Antenna int.               | 1                                                   |
| Connection                 | Plug M12 / 3m open wire                             |
| Firmware Update User       | yes                                                 |
| Development Tools          | API                                                 |

## VARIANTS

| ID             | Variant           |
|----------------|-------------------|
| 4019-01-000-00 | LF Read/Write M30 |