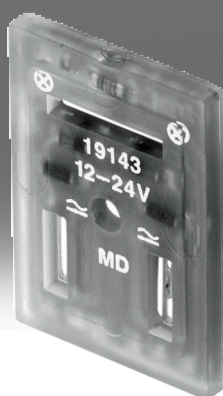


Illuminating seal MC-LD, ME-LD, MEB-LD, MF-LD, MV-LD

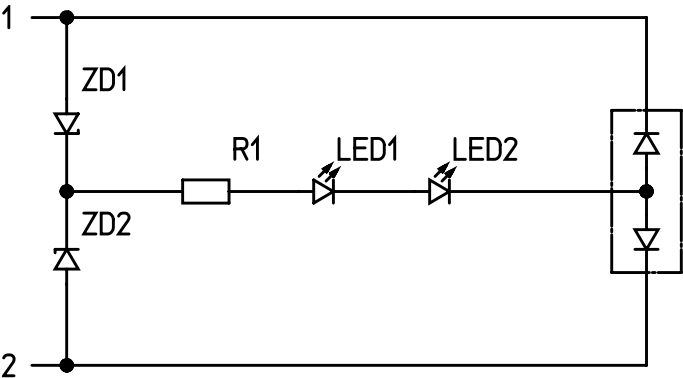
**FESTO**



Datasheet

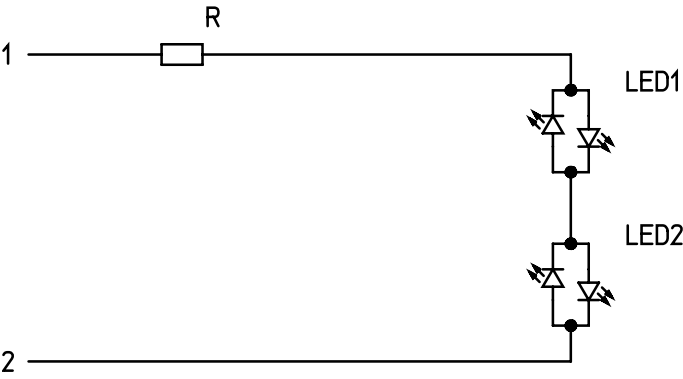
| General technical data – Illuminating seals |                                        |                             |                                                     |                                                      |                                                     |
|---------------------------------------------|----------------------------------------|-----------------------------|-----------------------------------------------------|------------------------------------------------------|-----------------------------------------------------|
| Electrical connection                       | Type B<br>Square design MSF            | Type C<br>Square design MSE | Type A<br>To DIN EN 175301-803<br>Square design MSC | Type C<br>To DIN EN 175301-803<br>Square design MSEB | Type B<br>To DIN EN 175301-803<br>Square design MSV |
| Switching position indicator                | LED                                    |                             |                                                     |                                                      |                                                     |
| Type of mounting                            | On solenoid valve via M3 central screw |                             |                                                     | On solenoid valve via M2.5<br>central screw          | On solenoid valve via M3<br>central screw           |
| Product weight                              | 1.6 g                                  | 0.6 g                       | 1.6 g                                               | 0.6 g                                                | 1.6 g                                               |

Technical data – Electrical, illuminating seals for operating voltage 12 V DC and 24 V DC



|                                 |             |
|---------------------------------|-------------|
| Operational voltage range DC    | 12 ... 24 V |
| Nominal power illuminating seal | 0.05 W      |
| Pollution degree                | –           |
| Protective conductor connection | Available   |

Technical data – Electrical, illuminating seals for operating voltage 230 V AC



|                                  |                           |                                                 |                                                  |
|----------------------------------|---------------------------|-------------------------------------------------|--------------------------------------------------|
| Electrical connection            | Type B, Square design MSF | Type A, To DIN EN 175301-803, Square design MSC | Type C, To DIN EN 175301-803, Square design MSEB |
| Nominal operating voltage AC     | 230 V                     |                                                 |                                                  |
| Permissible voltage fluctuations | +/- 10%                   |                                                 |                                                  |
| Immunity to surge                | 4 kV                      |                                                 | 2.5 kV                                           |
| Nominal power illuminating seal  | 0.33 W                    |                                                 |                                                  |
| Pollution degree                 | 3                         |                                                 |                                                  |
| Protective conductor connection  | Available                 |                                                 |                                                  |

## Datasheet

### Materials – Illuminating seals

|                        |                |
|------------------------|----------------|
| Material housing       | TPE-U(PU)      |
| Colour                 | Transparent    |
| LABS (PWIS) conformity | VDMA24364-B2-L |

### Operating and environmental conditions – Illuminating seals for operating voltage 12 V DC and 24 V DC

|                                                            |              |
|------------------------------------------------------------|--------------|
| Ambient temperature                                        | -25 ... 85°C |
| CE mark (see declaration of conformity) <sup>2)</sup>      | –            |
| UKCA marking (see declaration of conformity) <sup>3)</sup> | –            |
| Degree of protection                                       | IP65         |

2) More information [www.festo.com/catalogue/...](http://www.festo.com/catalogue/...) Support/Downloads.

3) More information [www.festo.com/catalogue/...](http://www.festo.com/catalogue/...) Support/Downloads.

### Operating and environmental conditions – Illuminating seals for operating voltage 230 V AC

|                                                            |                                            |
|------------------------------------------------------------|--------------------------------------------|
| Ambient temperature                                        | -25 ... 85°C                               |
| CE mark (see declaration of conformity) <sup>2)</sup>      | To EU Low Voltage Directive                |
| UKCA marking (see declaration of conformity) <sup>3)</sup> | To UK regulations for electrical equipment |
| Degree of protection                                       | IP65                                       |

2) More information [www.festo.com/catalogue/...](http://www.festo.com/catalogue/...) Support/Downloads.

3) More information [www.festo.com/catalogue/...](http://www.festo.com/catalogue/...) Support/Downloads.

## Ordering data

| Ordering data – Illuminating seals type MSC                                      |                                                     |                              |                              |              |                      |
|----------------------------------------------------------------------------------|-----------------------------------------------------|------------------------------|------------------------------|--------------|----------------------|
|                                                                                  | Electrical connection                               | Operational voltage range DC | Nominal operating voltage AC | Part no.     | Type                 |
|  | Type A<br>To DIN EN 175301-803<br>Square design MSC |                              | 230 V                        | <b>19146</b> | <b>MC-LD-230AC</b>   |
|                                                                                  |                                                     | 12 ... 24 V                  |                              | <b>19145</b> | <b>MC-LD-12-24DC</b> |

| Ordering data – Illuminating seals type MSE                                      |                             |                              |              |                      |
|----------------------------------------------------------------------------------|-----------------------------|------------------------------|--------------|----------------------|
|                                                                                  | Electrical connection       | Operational voltage range DC | Part no.     | Type                 |
|  | Type C<br>Square design MSE | 12 ... 24 V                  | <b>19141</b> | <b>ME-LD-12-24DC</b> |

| Ordering data – Illuminating seals type MSEB                                      |                                                      |                              |                              |               |                       |
|-----------------------------------------------------------------------------------|------------------------------------------------------|------------------------------|------------------------------|---------------|-----------------------|
|                                                                                   | Electrical connection                                | Operational voltage range DC | Nominal operating voltage AC | Part no.      | Type                  |
|  | Type C<br>To DIN EN 175301-803<br>Square design MSEB |                              | 230 V                        | <b>151718</b> | <b>MEB-LD-230AC</b>   |
|                                                                                   |                                                      | 12 ... 24 V                  |                              | <b>151717</b> | <b>MEB-LD-12-24DC</b> |

| Ordering data – Illuminating seals type MSF                                        |                             |                              |                              |              |                      |
|------------------------------------------------------------------------------------|-----------------------------|------------------------------|------------------------------|--------------|----------------------|
|                                                                                    | Electrical connection       | Operational voltage range DC | Nominal operating voltage AC | Part no.     | Type                 |
|  | Type B<br>Square design MSF |                              | 230 V                        | <b>19144</b> | <b>MF-LD-230AC</b>   |
|                                                                                    |                             | 12 ... 24 V                  |                              | <b>19143</b> | <b>MF-LD-12-24DC</b> |

| Ordering data – Illuminating seals type MSV                                        |                                                     |                              |              |                      |
|------------------------------------------------------------------------------------|-----------------------------------------------------|------------------------------|--------------|----------------------|
|                                                                                    | Electrical connection                               | Operational voltage range DC | Part no.     | Type                 |
|  | Type B<br>To DIN EN 175301-803<br>Square design MSV | 12 ... 24 V                  | <b>35558</b> | <b>MV-LD-12-24DC</b> |