

LED module with integrated LED 24 V AC/DC, white, screw terminal, for front plate mounting, ATEX Zone 21-22 dust protection Z=50-unit packaging



| | |
|--------------------------|------------|
| Product brand name | SIRIUS ACT |
| Product designation | LED module |
| Product type designation | 3SU1 |

General technical data

| | |
|--|---|
| Product component | |
| <ul style="list-style-type: none"> • diode • lamp transformer • Light source • series resistor | <p>Yes</p> <p>No</p> <p>Yes</p> <p>No</p> |
| Insulation voltage | |
| <ul style="list-style-type: none"> • rated value | 320 V |
| Degree of pollution | 3 |
| Type of voltage | |
| <ul style="list-style-type: none"> • of the operating voltage • for actuation | <p>AC/DC</p> <p>AC/DC</p> |
| Surge voltage resistance rated value | 4 kV |
| Consumed current | |
| <ul style="list-style-type: none"> • maximum | 20 mA |
| Protection class IP | |

| | |
|---|---|
| <ul style="list-style-type: none"> • of the enclosure • of the terminal | <p>IP40</p> <p>IP20</p> |
| Shock resistance <ul style="list-style-type: none"> • acc. to IEC 60068-2-27 • for railway applications acc. to DIN EN 61373 | <p>Sinusoidal half-wave 50 g / 11 ms</p> <p>Category 1, Class B</p> |
| Vibration resistance <ul style="list-style-type: none"> • acc. to IEC 60068-2-6 • for railway applications acc. to DIN EN 61373 | <p>10 ... 500 Hz: 5g</p> <p>Category 1, Class B</p> |
| Operating period typical | 100 000 h |
| Reference code acc. to DIN EN 81346-2 | P |
| Reference code acc. to DIN EN 61346-2 | P |
| Operating voltage 1 <ul style="list-style-type: none"> • at AC <ul style="list-style-type: none"> — at 50 Hz rated value — at 60 Hz rated value • at DC rated value | <p>24 V</p> <p>24 V</p> <p>24 V</p> |
| Relative positive tolerance of the operating voltage | 20 % |
| Relative negative tolerance of the operating voltage | 20 % |

Control circuit/ Control

| | |
|-------------------------------|-----|
| Inrush current maximum | 2 A |
|-------------------------------|-----|

Connections/ Terminals

| | |
|---|--|
| Type of electrical connection | screw-type terminals |
| Type of connectable conductor cross-sections <ul style="list-style-type: none"> • solid with core end processing • solid without core end processing • finely stranded with core end processing • finely stranded without core end processing • at AWG conductors | <p>2x (0.5 ... 0.75 mm²)</p> <p>2x (1.0 ... 1.5 mm²)</p> <p>2x (0.5 ... 1.5 mm²)</p> <p>2x (1,0 ... 1,5 mm²)</p> <p>2x (18 ... 14)</p> |
| Tightening torque <ul style="list-style-type: none"> • with screw-type terminals | 0.8 ... 0.9 N·m |

Lamp

| | |
|----------------------------------|-------------------|
| Type of light source | LED |
| Color of the light source | white |
| Light intensity | 900 ... 1 400 mcd |






Ambient conditions

| | |
|---|---|
| Ambient temperature <ul style="list-style-type: none"> • during operation • during storage | <p>-25 ... +70 °C</p> <p>-40 ... +80 °C</p> |
| Environmental category during operation acc. to IEC 60721 | 3M6, 3S2, 3B2, 3C3, 3K6 (with relative air humidity of 10 ... 95 %, no condensation in operation permitted) |
| Explosion protection category for dust | II 2D ex tb IIIC T120 °C Db |



Installation/ mounting/ dimensions

| | |
|------------------------------|----------------------|
| Mounting type | Front plate mounting |
| • of modules and accessories | |
| Height | 33.2 mm |
| Width | 9.8 mm |
| Depth | 29.4 mm |

Certificates/ approvals

| General Product Approval | EMC | Declaration of Conformity | Miscellaneous | | |
|--|--|--|--|---|-------------------------------|
|  CCC |  CSA |  EAC |  RCM |  EG-Konf. | Miscellaneous |

| Test Certificates | Marine / Shipping | | | |
|--|--|--|--|---|
| Type Test Certificates/Test Report | Special Test Certificate | | | |
| |  ABS |  LRS |  PRS |  RINA |

| Marine / Shipping | other | |
|---|---|------------------------------|
|  RMRS |  DNV-GL | Confirmation |

Further information

Information- and Downloadcenter (Catalogs, Brochures,...)

<https://www.siemens.com/ic10>

Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3SU1401-1BB60-1AA1-Z X90>

Cax online generator

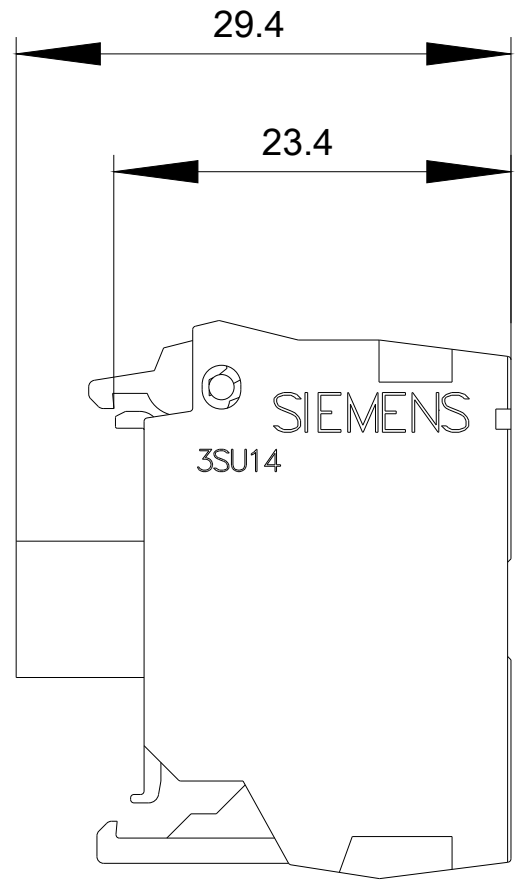
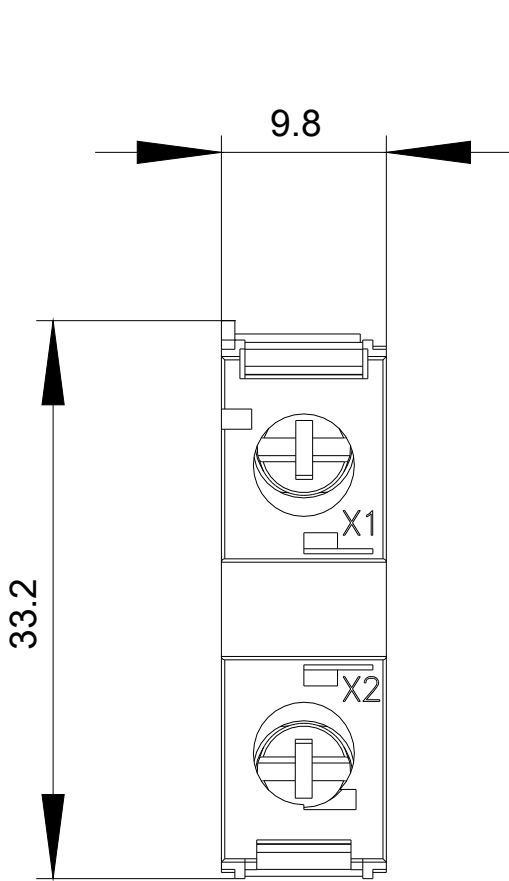
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1401-1BB60-1AA1-Z X90>

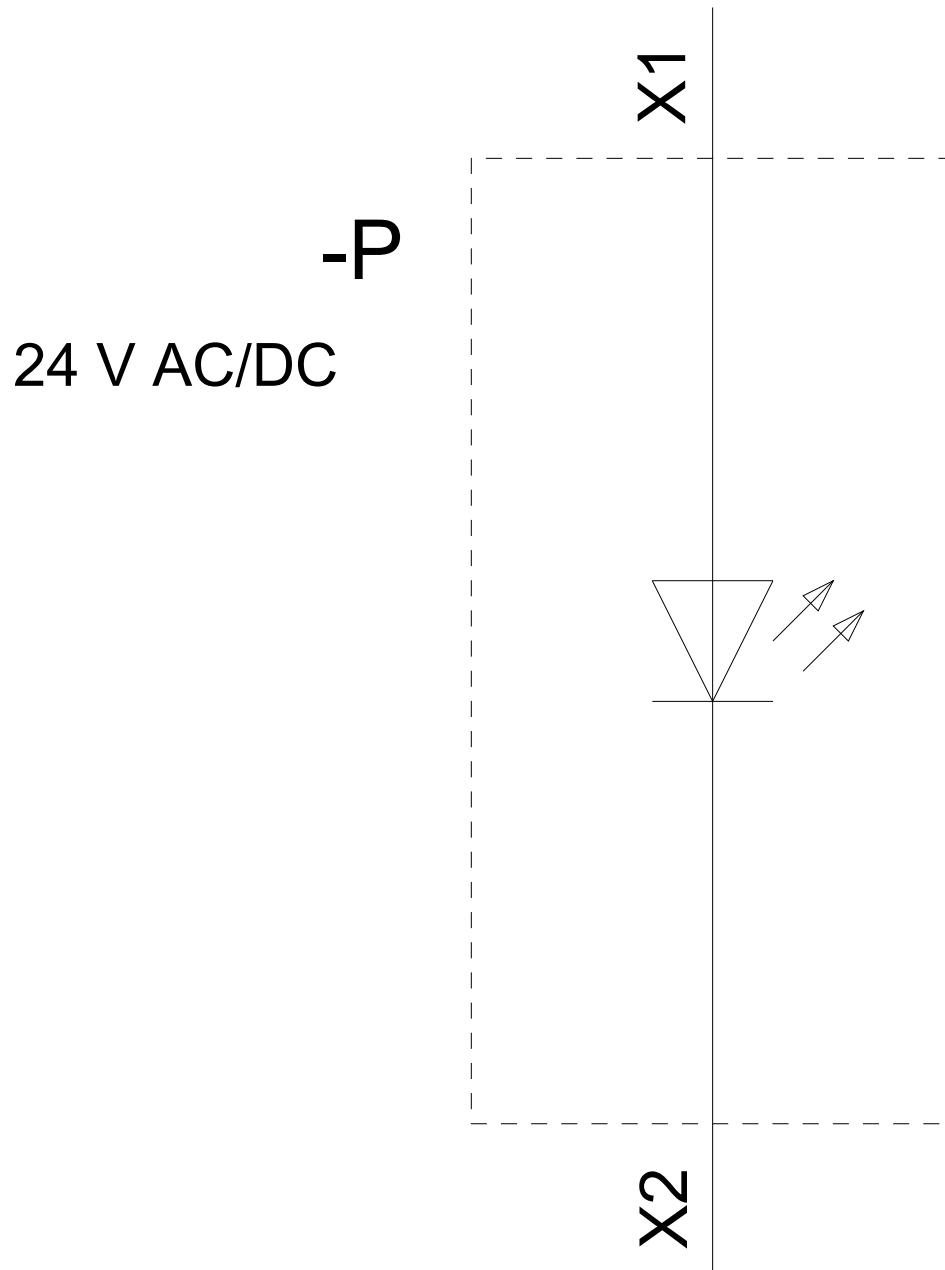
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

<https://support.industry.siemens.com/cs/ww/en/ps/3SU1401-1BB60-1AA1-Z X90>

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1401-1BB60-1AA1-Z X90&lang=en





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