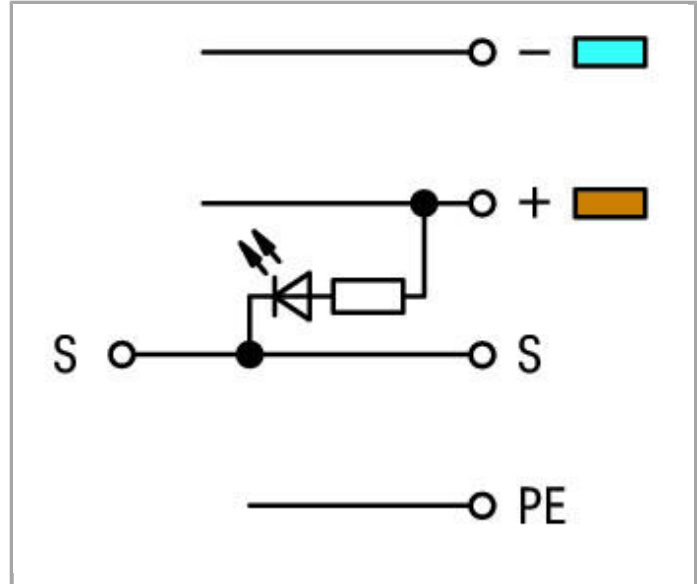
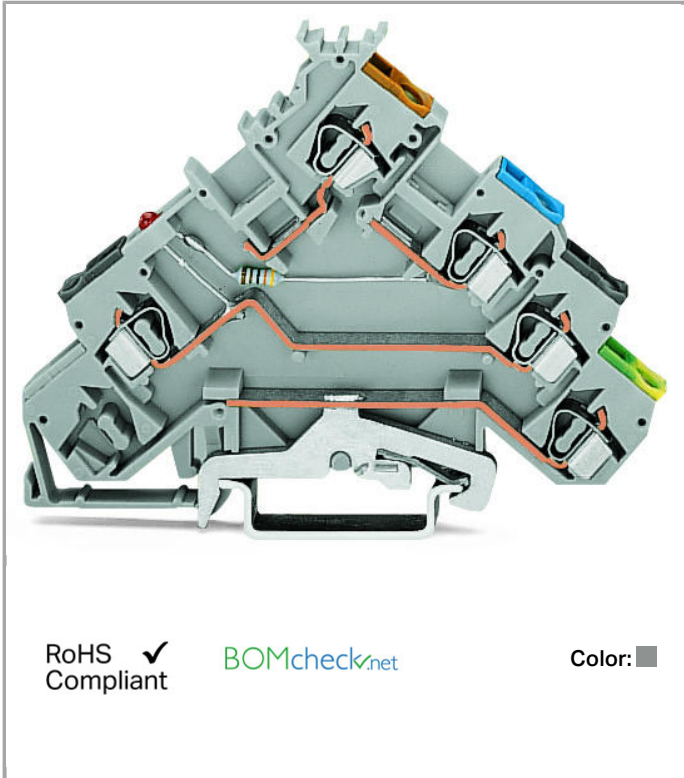


## Data sheet | Item number: 280-571/281-413

3-conductor sensor terminal block; LED (red); for NPN-(low-side) switching sensors; with colored conductor entries; 2.5 mm<sup>2</sup>; CAGE CLAMP®



[www.wago.com/280-571/281-413](http://www.wago.com/280-571/281-413)



### Data

#### Electrical data

|                  |      |
|------------------|------|
| Voltage type (1) | DC   |
| Nominal voltage  | 24 V |

#### Ratings per IEC/EN 60664-1

|               |      |
|---------------|------|
| Rated current | 20 A |
|---------------|------|

#### Connection data

|                                 |  |
|---------------------------------|--|
| Connection technology           | CAGE CLAMP®                                  |
| Actuation type                  | Operating tool                               |
| Connectable conductor materials | Copper<br>Aluminum                           |
| Solid conductor                 | 0.08 ... 2.5 mm <sup>2</sup> / 28 ... 12 AWG |
| Fine-stranded conductor         | 0.08 ... 2.5 mm <sup>2</sup> / 28 ... 12 AWG |
| Strip length                    | 8 ... 9 mm / 0.31 ... 0.35 Inch              |



|                                   |                    |
|-----------------------------------|--------------------|
| Total number of connection points | 5                  |
| Total number of potentials        | 4                  |
| Number of levels                  | 4                  |
| Type of wiring                    | Front-entry wiring |

**Geometrical Data**

|                                       |                      |
|---------------------------------------|----------------------|
| Width                                 | 5 mm / 0.197 inch    |
| Height from upper-edge of DIN-35 rail | 63.5 mm / 2.5 inch   |
| Depth                                 | 90.5 mm / 3.563 inch |

**Mechanical data**

|                  |                |
|------------------|----------------|
| Design           | angled         |
| Type of mounting | DIN-35 rail    |
| Marking level    | Center marking |

**Material Data**

|                     |                      |
|---------------------|----------------------|
| Color               | gray                 |
| Insulating material | Polyamide 66 (PA 66) |
| Fire load           | 0.217 MJ             |
| Weight              | 18.182 g             |

**Commercial data**

|                    |                                  |
|--------------------|----------------------------------|
| Country of origin  | DE                               |
| GTIN               | 4050821861386                    |
| Customs Tariff No. | 85369010000                      |
| Product Group      | 1 (Rail Mounted Terminal Blocks) |

**Approvals / Certificates****Country specific Approvals**

| Logo   | Approval                        | Certificate name |
|--|---------------------------------|------------------|
|  | CCA<br>DEKRA Certification B.V. | 2160584.53       |















**Ship Approvals**








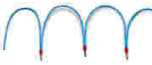
| Logo   | Approval                           | Certificate name |
|--|------------------------------------|------------------|
|  | ABS<br>American Bureau of Shipping | 14-HG1293677-PDA |





















## UL-Approvals

| Logo   | Approval                             | Certificate name |
|--|--------------------------------------|------------------|
|  | UR<br>Underwriters Laboratories Inc. | E45172           |

## Compatible products

| ferrule  |  |  |
|--|--|--|
|    | <b>Item no.: 216-101</b><br>Ferrule; Sleeve for 0.5 mm <sup>2</sup> / AWG 22; uninsulated; electro-tin plated                        | <a href="http://www.wago.com/216-101">www.wago.com/216-101</a> |
|    | <b>Item no.: 216-102</b><br>Ferrule; Sleeve for 0.75 mm <sup>2</sup> / AWG 20; uninsulated; electro-tin plated                       | <a href="http://www.wago.com/216-102">www.wago.com/216-102</a> |
|    | <b>Item no.: 216-103</b><br>Ferrule; Sleeve for 1 mm <sup>2</sup> / AWG 18; uninsulated; electro-tin plated                          | <a href="http://www.wago.com/216-103">www.wago.com/216-103</a> |
|    | <b>Item no.: 216-104</b><br>Ferrule; Sleeve for 1.5 mm <sup>2</sup> / AWG 16; uninsulated; electro-tin plated                        | <a href="http://www.wago.com/216-104">www.wago.com/216-104</a> |
|   | <b>Item no.: 216-201</b><br>Ferrule; Sleeve for 0.5 mm <sup>2</sup> / AWG 22; insulated; electro-tin plated                          | <a href="http://www.wago.com/216-201">www.wago.com/216-201</a> |
|  | <b>Item no.: 216-202</b><br>Ferrule; Sleeve for 0.75 mm <sup>2</sup> / AWG 20; insulated; electro-tin plated                         | <a href="http://www.wago.com/216-202">www.wago.com/216-202</a> |
|  | <b>Item no.: 216-203</b><br>Ferrule; Sleeve for 1 mm <sup>2</sup> / AWG 18; insulated; electro-tin plated                            | <a href="http://www.wago.com/216-203">www.wago.com/216-203</a> |
|  | <b>Item no.: 216-204</b><br>Ferrule; Sleeve for 1.5 mm <sup>2</sup> / AWG 16; insulated; electro-tin plated                          | <a href="http://www.wago.com/216-204">www.wago.com/216-204</a> |
|  | <b>Item no.: 216-301</b><br>Ferrule; Sleeve for 0.25 mm <sup>2</sup> / AWG 24; insulated; electro-tin plated                         | <a href="http://www.wago.com/216-301">www.wago.com/216-301</a> |
|  | <b>Item no.: 216-302</b><br>Ferrule; Sleeve for 0.34 mm <sup>2</sup> / AWG 24; insulated; electro-tin plated                         | <a href="http://www.wago.com/216-302">www.wago.com/216-302</a> |
| Carrier rail   |  |  |
|  | <b>Item no.: 210-112</b><br>Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; slotted; according to EN 60715; "Hole width 25 mm | <a href="http://www.wago.com/210-112">www.wago.com/210-112</a> |
|  | <b>Item no.: 210-113</b><br>Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; unslotted; according to EN 60715                  | <a href="http://www.wago.com/210-113">www.wago.com/210-113</a> |
|  | <b>Item no.: 210-114</b><br>Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; unslotted; similar to EN 60715                   | <a href="http://www.wago.com/210-114">www.wago.com/210-114</a> |
|  | <b>Item no.: 210-115</b><br>Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; slotted; according to EN 60715; "Hole width 18 mm | <a href="http://www.wago.com/210-115">www.wago.com/210-115</a> |

|  |   |  |
|--|---|--|
|    | <b>Item no.: 210-118</b><br>Steel carrier rail; 35 x 15 mm; 2.3 mm thick; 2 m long; unslotted; according to EN 60715              | <a href="http://www.wago.com/210-118">www.wago.com/210-118</a> |
|    | <b>Item no.: 210-196</b><br>Aluminum carrier rail; 35 x 8.2 mm; 1.6 mm thick; 2 m long; unslotted; similar to EN 60715            | <a href="http://www.wago.com/210-196">www.wago.com/210-196</a> |
|    | <b>Item no.: 210-197</b><br>Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; slotted; similar to EN 60715                  | <a href="http://www.wago.com/210-197">www.wago.com/210-197</a> |
|    | <b>Item no.: 210-198</b><br>Copper carrier rail; 35 x 15 mm; 2.3 mm thick; 2 m long; unslotted; according to EN 60715             | <a href="http://www.wago.com/210-198">www.wago.com/210-198</a> |
|    | <b>Item no.: 210-504</b><br>Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; slotted; galvanized; according to EN 60715     | <a href="http://www.wago.com/210-504">www.wago.com/210-504</a> |
|    | <b>Item no.: 210-505</b><br>Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; unslotted; galvanized; according to EN 60715   | <a href="http://www.wago.com/210-505">www.wago.com/210-505</a> |
|    | <b>Item no.: 210-506</b><br>Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; unslotted; galvanized; similar to EN 60715    | <a href="http://www.wago.com/210-506">www.wago.com/210-506</a> |
|    | <b>Item no.: 210-508</b><br>Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; slotted; galvanized; similar to EN 60715      | <a href="http://www.wago.com/210-508">www.wago.com/210-508</a> |
| <b>tools</b>   |   |  |
|   | <b>Item no.: 210-657</b><br>Operating tool with partially insulated shaft; Blade (3.5 x 0.5) mm; short                            | <a href="http://www.wago.com/210-657">www.wago.com/210-657</a> |
|  | <b>Item no.: 210-658</b><br>Operating tool with partially insulated shaft; Blade (3.5 x 0.5) mm; short; angled                    | <a href="http://www.wago.com/210-658">www.wago.com/210-658</a> |
|  | <b>Item no.: 210-720</b><br>Operating tool with partially insulated shaft; Type 2, blade (3.5 x 0.5) mm                           | <a href="http://www.wago.com/210-720">www.wago.com/210-720</a> |
| <b>Insulation stop</b>   |   |  |
|  | <b>Item no.: 280-470</b><br>Insulation stop; 0.08 - 0.2 mm <sup>2</sup> "s" (0.14 mm <sup>2</sup> "f-st"); 5 pieces/strip         | <a href="http://www.wago.com/280-470">www.wago.com/280-470</a> |
|  | <b>Item no.: 280-471</b><br>Insulation stop; 0.25 - 0.5 mm <sup>2</sup> ; 5 pieces/strip  | <a href="http://www.wago.com/280-471">www.wago.com/280-471</a> |
|  | <b>Item no.: 280-472</b><br>Insulation stop; 0.75 - 1 mm <sup>2</sup> ; 5 pieces/strip  | <a href="http://www.wago.com/280-472">www.wago.com/280-472</a> |
| <b>Jumper</b>  |   |  |
|  | <b>Item no.: 210-103</b><br>Wire commoning chain; insulated; 50 connections   | <a href="http://www.wago.com/210-103">www.wago.com/210-103</a> |
|  | <b>Item no.: 210-123</b><br>Wire commoning chain; insulated; 50 connections   | <a href="http://www.wago.com/210-123">www.wago.com/210-123</a> |
|  | <b>Item no.: 249-123</b><br>Push-in type wire jumper; insulated; wire length 180 mm; Conductor cross section 0.75 mm <sup>2</sup> | <a href="http://www.wago.com/249-123">www.wago.com/249-123</a> |
|  | <b>Item no.: 249-125</b><br>Push-in type wire jumper; insulated; wire length 60 mm; Conductor cross section 0.75 mm <sup>2</sup>  | <a href="http://www.wago.com/249-125">www.wago.com/249-125</a> |

|  |  |  |
|--|--|--|
|    |  |  |
|    | <p><b>Item no.: 249-126</b><br/>Push-in type wire jumper; insulated; wire length 110 mm; Conductor cross section 0.75 mm<sup>2</sup></p> | <a href="http://www.wago.com/249-126">www.wago.com/249-126</a> |
|    | <p><b>Item no.: 249-127</b><br/>Push-in type wire jumper; insulated; wire length 250 mm; Conductor cross section 0.75 mm<sup>2</sup></p> | <a href="http://www.wago.com/249-127">www.wago.com/249-127</a> |
|    | <p><b>Item no.: 280-402</b><br/>Adjacent jumper; insulated; IN = IN terminal block</p>   | <a href="http://www.wago.com/280-402">www.wago.com/280-402</a> |
|    | <p><b>Item no.: 280-482</b><br/>Comb-style jumper bar; insulated; 2-way; IN = IN terminal block</p>                                      | <a href="http://www.wago.com/280-482">www.wago.com/280-482</a> |
|    | <p><b>Item no.: 280-483</b><br/>Comb-style jumper bar; insulated; 3-way; IN = IN terminal block</p>                                      | <a href="http://www.wago.com/280-483">www.wago.com/280-483</a> |
|    | <p><b>Item no.: 280-484</b><br/>Comb-style jumper bar; insulated; 4-way; IN = IN terminal block</p>                                      | <a href="http://www.wago.com/280-484">www.wago.com/280-484</a> |
|    | <p><b>Item no.: 280-485</b><br/>Comb-style jumper bar; insulated; 5-way; IN = IN terminal block</p>                                      | <a href="http://www.wago.com/280-485">www.wago.com/280-485</a> |
|    | <p><b>Item no.: 280-490</b><br/>Comb-style jumper bar; insulated; 10-way; IN = IN terminal block</p>                                     | <a href="http://www.wago.com/280-490">www.wago.com/280-490</a> |
|   | <p><b>Item no.: 280-492</b><br/>Alternate comb-style jumper bar; insulated; 2-way; IN = IN terminal block</p>                            | <a href="http://www.wago.com/280-492">www.wago.com/280-492</a> |
|  | <p><b>Item no.: 709-110</b><br/>Wire commoning chain; insulated; 4 connections; 3 x 110 mm</p>   | <a href="http://www.wago.com/709-110">www.wago.com/709-110</a> |
|  | <p><b>Item no.: 709-111</b><br/>Wire commoning chain; insulated; 3 connections; 2 x 120 mm</p>   | <a href="http://www.wago.com/709-111">www.wago.com/709-111</a> |
|  | <p><b>Item no.: 709-112</b><br/>Wire commoning chain; insulated; 3 connections; 2 x 170 mm</p>   | <a href="http://www.wago.com/709-112">www.wago.com/709-112</a> |
|  | <p><b>Item no.: 780-452</b><br/>Staggered jumper; insulated; from 1 to 2; Spacing: 5 mm; suitable for 2-conductor female plugs</p>       | <a href="http://www.wago.com/780-452">www.wago.com/780-452</a> |
|  | <p><b>Item no.: 780-453</b><br/>Staggered jumper; insulated; from 1 to 3; Spacing: 5 mm; suitable for 2-conductor female plugs</p>       | <a href="http://www.wago.com/780-453">www.wago.com/780-453</a> |
|  | <p><b>Item no.: 780-454</b><br/>Staggered jumper; insulated; from 1 to 4; Spacing: 5 mm; suitable for 2-conductor female plugs</p>       | <a href="http://www.wago.com/780-454">www.wago.com/780-454</a> |
|  | <p><b>Item no.: 780-455</b><br/>Staggered jumper; insulated; from 1 to 5; Spacing: 5 mm; suitable for 2-conductor female plugs</p>       | <a href="http://www.wago.com/780-455">www.wago.com/780-455</a> |
|  | <p><b>Item no.: 780-456</b><br/>Staggered jumper; insulated; from 1 to 6; Spacing: 5 mm; suitable for 2-conductor female plugs</p>       | <a href="http://www.wago.com/780-456">www.wago.com/780-456</a> |
|  | <p><b>Item no.: 780-457</b><br/>Staggered jumper; insulated; from 1 to 7; Spacing: 5 mm; suitable for 2-conductor female plugs</p>       | <a href="http://www.wago.com/780-457">www.wago.com/780-457</a> |
|  | <p><b>Item no.: 780-458</b><br/>Staggered jumper; insulated; from 1 to 8; Spacing: 5 mm; suitable for 2-conductor female plugs</p>       | <a href="http://www.wago.com/780-458">www.wago.com/780-458</a> |

### Protective Warning Marker



**Item no.: 280-415**  
Protective warning marker; with high-voltage symbol, black; for 5 terminal blocks

[www.wago.com/280-415](http://www.wago.com/280-415)

### assembling



**Item no.: 709-154**  
Cover; Type 2; suitable for cover carrier, type 2; 1 m long

[www.wago.com/709-154](http://www.wago.com/709-154)

### End plate



**Item no.: 280-320**  
End and intermediate plate; 1 mm thick; for quadruple-deck terminal blocks

[www.wago.com/280-320](http://www.wago.com/280-320)



**Item no.: 280-323**  
End and intermediate plate; 1 mm thick; for quadruple-deck terminal blocks

[www.wago.com/280-323](http://www.wago.com/280-323)

### Marking accessories



**Item no.: 2009-115**  
WMB-Inline; for smartPRINTER; on reel; stretchable 5 - 5.2 mm; plain; snap-on type

[www.wago.com/2009-115](http://www.wago.com/2009-115)



**Item no.: 2009-115/000-002**  
WMB-Inline; for smartPRINTER; on reel; stretchable 5 - 5.2 mm; plain; snap-on type

[www.wago.com/2009-115/000-002](http://www.wago.com/2009-115/000-002)



**Item no.: 2009-115/000-006**  
WMB-Inline; for smartPRINTER; on reel; stretchable 5 - 5.2 mm; plain; snap-on type

[www.wago.com/2009-115/000-006](http://www.wago.com/2009-115/000-006)



**Item no.: 2009-115/000-007**  
WMB-Inline; for smartPRINTER; on reel; stretchable 5 - 5.2 mm; plain; snap-on type

[www.wago.com/2009-115/000-007](http://www.wago.com/2009-115/000-007)



**Item no.: 2009-115/000-012**  
WMB-Inline; for smartPRINTER; on reel; stretchable 5 - 5.2 mm; plain; snap-on type

[www.wago.com/2009-115/000-012](http://www.wago.com/2009-115/000-012)



**Item no.: 2009-115/000-017**  
WMB-Inline; for smartPRINTER; on reel; stretchable 5 - 5.2 mm; plain; snap-on type

[www.wago.com/2009-115/000-017](http://www.wago.com/2009-115/000-017)



**Item no.: 2009-115/000-023**  
WMB-Inline; for smartPRINTER; on reel; stretchable 5 - 5.2 mm; plain; snap-on type

[www.wago.com/2009-115/000-023](http://www.wago.com/2009-115/000-023)



**Item no.: 2009-115/000-024**  
WMB-Inline; for smartPRINTER; on reel; stretchable 5 - 5.2 mm; plain; snap-on type

[www.wago.com/2009-115/000-024](http://www.wago.com/2009-115/000-024)



**Item no.: 793-501**  
WMB marking card; as card; not stretchable; plain; snap-on type

[www.wago.com/793-501](http://www.wago.com/793-501)



**Item no.: 793-501/000-002**  
WMB marking card; as card; not stretchable; plain; snap-on type

[www.wago.com/793-501/000-002](http://www.wago.com/793-501/000-002)



**Item no.: 793-501/000-005**  
WMB marking card; as card; not stretchable; plain; snap-on type

[www.wago.com/793-501/000-005](http://www.wago.com/793-501/000-005)



**Item no.: 793-501/000-006**  
WMB marking card; as card; not stretchable; plain; snap-on type

[www.wago.com/793-501/000-006](http://www.wago.com/793-501/000-006)



**Item no.: 793-501/000-007**  
WMB marking card; as card; not stretchable; plain; snap-on type

[www.wago.com/793-501/000-007](http://www.wago.com/793-501/000-007)



**Item no.: 793-501/000-012**  
WMB marking card; as card; not stretchable; plain; snap-on type

[www.wago.com/793-501/000-012](http://www.wago.com/793-501/000-012)



**Item no.: 793-501/000-017**  
WMB marking card; as card; not stretchable; plain; snap-on type

[www.wago.com/793-501/000-017](http://www.wago.com/793-501/000-017)



**Item no.: 793-501/000-023**  
WMB marking card; as card; not stretchable; plain; snap-on type

[www.wago.com/793-501/000-023](http://www.wago.com/793-501/000-023)



**Item no.: 793-501/000-024**  
WMB marking card; as card; not stretchable; plain; snap-on type

[www.wago.com/793-501/000-024](http://www.wago.com/793-501/000-024)



**Item no.: 793-5501**  
WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type

[www.wago.com/793-5501](http://www.wago.com/793-5501)



**Item no.: 793-5501/000-002**  
WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type

[www.wago.com/793-5501/000-002](http://www.wago.com/793-5501/000-002)



**Item no.: 793-5501/000-005**  
WMB marking card; as card; stretchable 5 - 5.2 mm; plain; snap-on type

[www.wago.com/793-5501/000-005](http://www.wago.com/793-5501/000-005)



**Item no.: 793-5501/000-006**  
WMB marking card; as card; stretchable 5 - 5.2 mm; plain; snap-on type

[www.wago.com/793-5501/000-006](http://www.wago.com/793-5501/000-006)



**Item no.: 793-5501/000-007**  
WMB marking card; as card; stretchable 5 - 5.2 mm; plain; snap-on type

[www.wago.com/793-5501/000-007](http://www.wago.com/793-5501/000-007)



**Item no.: 793-5501/000-012**  
WMB marking card; as card; stretchable 5 - 5.2 mm; plain; snap-on type

[www.wago.com/793-5501/000-012](http://www.wago.com/793-5501/000-012)



**Item no.: 793-5501/000-017**  
WMB marking card; as card; stretchable 5 - 5.2 mm; plain; snap-on type

[www.wago.com/793-5501/000-017](http://www.wago.com/793-5501/000-017)



**Item no.: 793-5501/000-023**  
WMB marking card; as card; stretchable 5 - 5.2 mm; plain; snap-on type

[www.wago.com/793-5501/000-023](http://www.wago.com/793-5501/000-023)



Item no.: 793-5501/000-024

WMB marking card; as card; stretchable 5 - 5.2 mm; plain; snap-on type

[www.wago.com/793-5501](http://www.wago.com/793-5501/000-024)

/000-024

## Downloads

### Documentation

#### Bid Text

280-571/281-413

Oct 12, 2017

DOC  
25.6 kB

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Subject to changes.

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