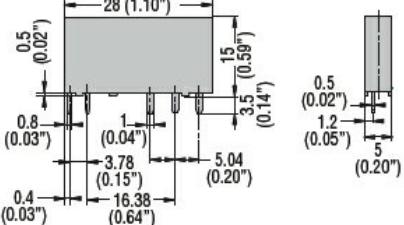
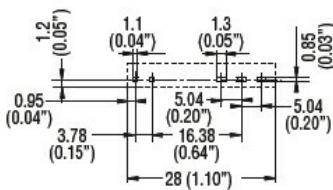
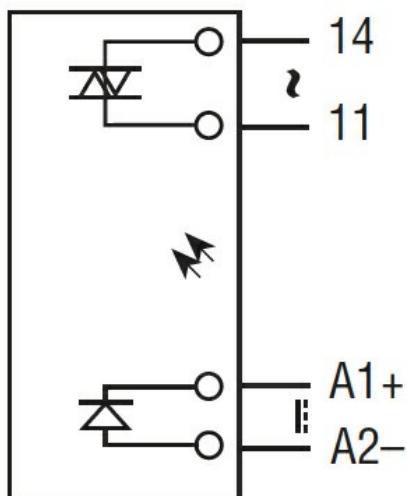




|   |            |                           |                           |
|---|------------|---------------------------|---------------------------|
| Product designation                               | SLIM RELAY |                           |                           |
| Product type designation                          | HR20       |                           |                           |
| <b>Contact characteristics</b>                    |            |                           |                           |
| Contact configuration                             | 1 Static   |                           |                           |
| Rated insulation voltage $Ui$ IEC/EN              | V          | 2500                      | (input/output)            |
| IEC Conventional free air thermal current $Ith$   | A          | 2                         |                           |
| Maximum instantaneous current                     | A          | 80 (10ms)                 |                           |
| Rated current ( $In$ )                            | A          | 2                         |                           |
| Relay control voltage                             | V          | 24VDC                     |                           |
| Max contrallable power in                         | AC-1       | W                         | 1500                      |
|   | AC-15      | VA                        | 360                       |
| Rated operating power AC-1                        | VA         | 2A output 24...<br>280VAC |                           |
| Rated operating power AC-15                       | 230 VAC    | VA                        | 2A output 24...<br>280VAC |
| Single-phase motor control                        | 230VAC     | kW                        | 2A output 24...<br>280VAC |
| Rated operating current DC-1                      | 30V        | A                         | 2A output 24...<br>280VAC |
|   | 110V       | A                         | 2A output 24...<br>280VAC |
|   | 220V       | A                         | 2A output 24...<br>280VAC |
| Minimum switching load                            | V / mA     | 24 / 0.1                  |                           |
| <b>Operating times</b>                            |            |                           |                           |
| Closing   | ms         | 10                        |                           |
| Opening   | ms         | 10                        |                           |
| <b>Operations</b>                                 |            |                           |                           |
| Mechanical life                                   | cycles     | Theoretically<br>infinite |                           |
| Electrical life AC1                               | cycles     | Theoretically<br>infinite |                           |
| <b>Coil characteristics</b>                       |            |                           |                           |
| Operating range                                   | Closing    | % Un                      | 80...120                  |
| Maximum cycle frequency                           | cycles/h   | >100000                   |                           |
| <b>Mechanical features</b>                        |            |                           |                           |
| Max socket terminal tightening torque             | Nm         | 0.5                       |                           |
| Socket screw tightening tool (cross / flat blade) |            | PH0 / 3.5mm               |                           |
| Conductor section                                 |            |                           |                           |

| AWG/Kcmil  | min                   | 20                        |
|--|-----------------------|---------------------------|
| IEC  | min                   | mm <sup>2</sup> 0.5       |
| Operating position   | normal                | Any                       |
| Fixing   |                       | On 35mm DIN rail          |
| Ambient conditions   |                       |                           |
| Temperature  | Operating temperature | min °C -30<br>max °C +80  |
|  | Storage temperature   | min °C -30<br>max °C +100 |
| Other features   |                       |                           |
| Indication   |                       | Yes (on the socket)       |
| Mechanical contact position indicator  |                       | No                        |
| Mechanical test actuator   |                       | No                        |
| Dimensions   |                       |                           |
|  |                       |                           |
|  |                       |                           |
| Wiring diagrams  |                       |                           |



#### Certifications and compliance

##### Compliance

IEC/EN 62314

##### Certificates

cURus

TÜV-SUD

#### ETIM classification

##### ETIM 8.0

EC002055 -  
Solid state relay