

# Product sheet

## Output connector



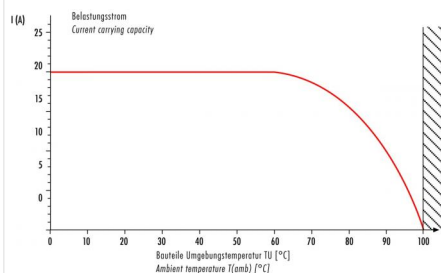
Product  
Pole

**Contacts: 24, female cable connector**  
**24**

Area  
Article number

**RD30 Power Series 694**  
**99 0738 02 24**

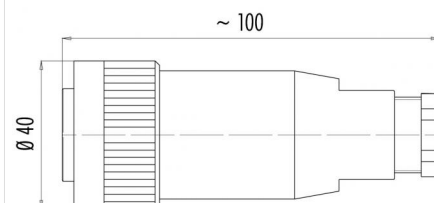
### Deratingkurven



### Illustration



### Scale drawing



### Contact Arrangement

|    | X     | Y     |
|----|-------|-------|
| 1  | -5,25 | -6,60 |
| 2  | -1,75 | -6,60 |
| 3  | 1,75  | -6,60 |
| 4  | 5,25  | -6,60 |
| 5  | 7,00  | -3,10 |
| 6  | 3,50  | -3,10 |
| 7  | 0,00  | -3,10 |
| 8  | -3,50 | -3,10 |
| 9  | -7,00 | -3,10 |
| 10 | -8,75 | 0,40  |
| 11 | -5,25 | 0,40  |
| 12 | -1,75 | 0,40  |
| 13 | 1,75  | 0,40  |
| 14 | 5,25  | 0,40  |
| 15 | 8,75  | 0,40  |
| 16 | 7,00  | 3,90  |
| 17 | 3,50  | 3,90  |
| 18 | 0,00  | 3,90  |
| 19 | -3,50 | 3,90  |
| 20 | -7,00 | 3,90  |
| 21 | -5,25 | 7,40  |
| 22 | -1,75 | 7,40  |
| 23 | 1,75  | 7,40  |
| 24 | 5,25  | 7,40  |

You can find the item description on the next page.

### Technical data

#### Common values

|                          |                        |
|--------------------------|------------------------|
| Connector Design         | Female cable connector |
| Connector locking system | screw                  |
| Termination              | Solder                 |
| Wire gauge (mm)          | 0.25 mm <sup>2</sup>   |
| Wire gauge (AWG)         | 24                     |
| Cable outlet             | 12 - 14 mm             |
| Upper temperature        | 100 °C                 |
| Lower temperature        | -40 °C                 |

#### Electrical values

|                       |                     |
|-----------------------|---------------------|
| Rated voltage         | 125 V               |
| Rated impulse voltage | 2500 V              |
| Pollution degree      | 3                   |
| Overvoltage category  | III                 |
| Material group        | III                 |
| Rated current (40°C)  | 3 A                 |
| Volume resistivity    | ≤ 3 mΩ              |
| EMV compliance        | not shielded        |
| Degree of protection  | IP65                |
| Mechanical operation  | > 500 mating cycles |

#### Material

|                          |                |
|--------------------------|----------------|
| Material of contact      | CuSn (Bronze)  |
| Contact plating          | Au (Gold)      |
| Material of contact body | PA (UL 94 HB)  |
| Material of housing      | PA (UL 94 V-0) |

Contacts: 24, female cable connector, cable outlet 12 - 14 mm

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