



#### General ordering data

|                  |                                                                                                                                              |
|------------------|----------------------------------------------------------------------------------------------------------------------------------------------|
| Order No.        | 9400500000                                                                                                                                   |
| Part designation | DK 4/35 U 90V 20KA                                                                                                                           |
| Version          | Surge protection for instrumentation and control,<br>{Reference (AttributeDefinition) not found:<br>pattr2500833906422}, Rated voltage: 48 V |
| EAN              | 4008190092931                                                                                                                                |
| Qty.             | 25 pc(s).                                                                                                                                    |

#### Clamped conductors

|                                                     |                     |
|-----------------------------------------------------|---------------------|
| Flexible w. ferrule, min. (DIN 46228-1)             | 0.5 mm <sup>2</sup> |
| Flexible, max.                                      | 4 mm <sup>2</sup>   |
| Flexible, min.                                      | 0.5 mm <sup>2</sup> |
| Rated cross-section for solid/flexible with ferrule | 4 mm <sup>2</sup>   |
| Rated cross-section, max. ferrules                  | 2.5 mm <sup>2</sup> |
| Tightening torque range                             | 0.5...1.0 Nm        |
| Type of connection                                  | Screw connection    |

#### General data

|                                   |              |
|-----------------------------------|--------------|
| Design                            | Terminal     |
| Storage temperature               | -25 ... 85°C |
| Ambient temperature (operational) | -25 ... 60°C |

#### Insulation coordination acc. to EN 50178

|                      |     |
|----------------------|-----|
| Overvoltage category | III |
| Pollution severity   | 2   |

#### Interference voltage

Protection level on output side unsym., input 1kV/ 550 V  
μs, typ.

#### Technical data

|                          |      |
|--------------------------|------|
| Rated voltage (DC), max. | 50 V |
| Rated voltage (AC)       | 60 V |
| Rated voltage, max.      | 35 V |

#### Technical data

|                                   |        |
|-----------------------------------|--------|
| Rated voltage                     | 48 V   |
| Rated voltage (DC)                | 90 V   |
| Discharge current, max. (8/20 µs) | 20 kA  |
| Sparkover time                    | ≤ 1 µs |
| Fuse, max.                        | 16 A   |

#### Dimensions

|                      |                     |
|----------------------|---------------------|
| Clamping range, max. | 4 mm <sup>2</sup>   |
| Clamping range, min. | 0.5 mm <sup>2</sup> |
| Clamping range, nom. | 4 mm <sup>2</sup>   |
| Length               | 50 mm               |
| Height               | 56 mm               |
| Width                | 12 mm               |

#### Approvals

Approvals institutes

**ATEX**

#### Classifications

|            |             |
|------------|-------------|
| ETIM 2.0   | EC000943    |
| ETIM 3.0   | EC000943    |
| eClass 4.1 | 27-14-11-27 |
| eClass 5.0 | 27-14-11-27 |
| eClass 5.1 | 27-14-11-27 |

#### Similar products

| Order No.  | Part designation    | Version                                                                                                                                 |
|------------|---------------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| 9400540000 | DK 4/35 U 470V 20KA | Surge protection for instrumentation and control, {Reference (AttributeDefinition) not found: pattr2500833906422}, Rated voltage: 350 V |
| 9400550000 | DK 4/35 U 600V 20KA | Surge protection for instrumentation and control, {Reference (AttributeDefinition) not found: pattr2500833906422}, Rated voltage: 600 V |
| 9400300000 | DK 4/35 U 90V 5KA   | Surge protection for instrumentation and control, {Reference (AttributeDefinition) not found: pattr2500833906422}, Rated voltage: 90 V  |
| 9400400000 | DK 4/32 U 90V 20KA  | Surge protection for instrumentation and control, {Reference (AttributeDefinition) not found: pattr2500833906422}, Rated voltage: 48 V  |