



TK 452-21Y

- Metal enclosure
- 118 mm x 127 mm x 64 mm (basic component)
- Actuator heads can be repositioned by 4 x 90°
- 2 cable entries M 20 x 1.5

Data

Ordering data

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|-------------------------------|---------------|
| EAN (European Article Number) | 4030661034508 |
| eCl@ss number, Version 9.0 | 27-27-06-01 |
| eCl@ss number, Version 11.0 | 27-27-06-01 |
| ETIM number, version 6.0 | EC000030 |
| ETIM number, version 7.0 | EC000030 |

Approval - Standards

| | |
|--------------|----------------------|
| Certificates | DNV.GL CCC EAC |
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General data

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|--------------------|----------------------------|
| Standards | EN 60947-5-1 |
| Active principle | mechanical |
| Slide form | Castor |
| Enclosure material | Grey cast iron, galvanised |

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| Enclosure coating material | painted |
| Material of the contacts, electrical | Silver |
| Roller material | Plastic |
| Gross weight | 1,793 g |

General data - Features

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| Number of openers | 1 |
| Number of shutters | 2 |

Mechanical data

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| Actuating element | Offset roller lever |
| Mechanical life, minimum | 10,000,000 Operations |
| Actuating angle, from left of switch axis | 45 ° |
| Actuating angle, from right of switch axis | 30 ° |
| Contact opening | 2 x 6 mm |
| Actuating speed, minimum | 1 mm/min |
| Actuating speed, maximum | 0.5 m/s |
| Note (Actuating speed) | Actuating speed with vertical actuating angle to switch axis |

Mechanical data - Connection technique

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|------------------------|---|
| Terminal Connector | Screw connection |
| Cable section, minimum | 1.5 mm ² |
| Cable section, maximum | 2.5 mm ² |
| Note (Cable section) | All indications about the cable section are including the conductor ferrules. |
| Wire cross-section | 13 AWG |

Mechanical data - Dimensions

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|--------------------|--------|
| Length of sensor | 64 mm |
| Width of sensor | 118 mm |
| Height of sensor | 201 mm |
| Width of Castor | 6.5 mm |
| Diameter of Castor | 25 mm |

Ambient conditions

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|------------------------------|------------------|
| Degree of protection | IP65 to EN 60529 |
| Ambient temperature, minimum | -30 °C |
| Ambient temperature, maximum | +90 °C |

Ambient conditions - Insulation value

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|---|-------|
| Rated insulation voltage U_i | 400 V |
| Rated impulse withstand voltage U_{imp} | 6 kV |

Electrical data

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|----------------------------|------------------------|
| Thermal test current | 16 A |
| Utilisation category AC-15 | 400 VAC |
| Utilisation category AC-15 | 4 A |
| Switching element | NO contact, NC contact |
| Note (Switching element) | with double break |
| Switching principle | Creep circuit element |

Notes

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| Note (General) | Actuation from the right should be avoided, since this reduces the mechanical life of the position switch. |
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The details and data referred to have been carefully checked. Images may diverge from original. Further technical data can be found in the manual. Technical amendments and errors possible.

