

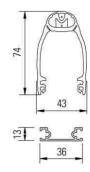
EL45x74A1x

Part No: various

ExpertLine Safety edge / Contact profile

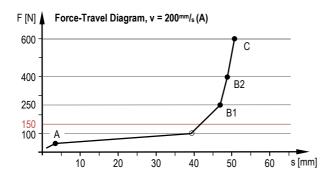
This datasheet provides technical data about single parts of the safety edge family ExpertLine. Safety edges (also called sensors) are part of pressure-sensitive edge systems according to EN ISO 13856-2. A pressure-sensitive edge system consists of a safety edge and a control unit and its intended use is for pressure-sensitive protection systems.

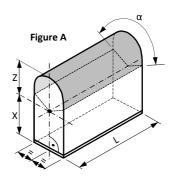
| Contact profile data | |
|---|-----------------------------|
| Designation / Art. No. | EP45x74A1 / 389109 |
| Dimensions in mm (Tolerances acc. to DIN ISO 3302-1 tl. E2) | 43 x 74 |
| Contact profile material | EPDM, non-conductive, black |
| Hardness | 70 Shore A (+/- 5) |
| Switching contact material | EPDM, conductive |
| Delivery length | max. 25 m |
| Weight, contact profile | 0.89 kg/m |
| Mounting profile | AP-G1, aluminium |
| Weight, mounting profile | 0.33 kg/m |



| Designation / Art. No. | EL45x74A1x / various, see brochure |
|--|-------------------------------------|
| Single sensor, length (min. /max.) | 0.3 m / 20 m |
| Cable length, max. | 40 m |
| Combined single sensors: max. number / | 4 sensors / |
| sensor length in total / cable length in total | 20 m / 40 m |
| Mounting orientations | All orientations |
| Effective sensing surface (Figure A) | X = 34 mm / Z = 40 mm |
| | α = 150° / L = sensor length |
| Actuating distance / Pre-travel (A / 200mm/s)* | < 3 mm |
| Actuating force (A / 200mm/s)* | < 45 N |
| Overtravel at 250 N (B1)* | 44 mm |
| Overtravel at 400 N (B2)* | 46 mm |
| Total travel at 600 N (C)* | 51 mm |
| Operating temperature | -20°C to 60°C |
| Switching cycles | > 10'000 |
| Degree of protection | IP67 |
| Max. voltage | 24 V ACDC |
| Continuous current load at max. voltage | 10 mA |
| Actuation resistance (typical / max.) | 50 - 150 Ohm / 500 Ohm |
| Standards | EN ISO 13856-2 / EN 12978 |
| EC type examination certificate No. | E 7194 (Suva) |







^{*}Acc. to EN ISO 13856-2; Test piece Ø 80 mm; Test location c3; Test speed (A) 200 mm/s; Temp. 20°C