



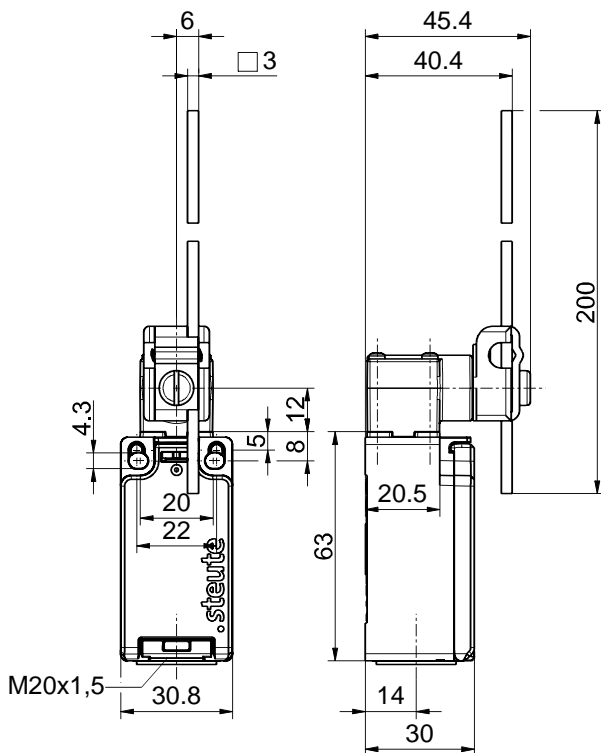
Position switch
 ES 97 DD 11
 Material number: 1404904

Features/Options:

- Thermoplastic enclosure
- Design to EN 50047
- Horizontally slotted mounting holes
- Double insulated

- Cover fixed without screws
- Actuator: Rod lever DD
- Lever angle adjustable in 10° steps
- Actuator can be repositioned by 4 x 90°

Dimensions



Technical data

| | |
|-------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|
| Applied standards | EN 60947-5-1, EN ISO 13849-1, EN ISO 14119, type V: EN 60947-5-5 |
| Enclosure | thermoplastic, glass-fibre reinforced, shock-proof, self-extinguishing UL 94 V-0, weathering resistant, UV stabilised |
| Degree of protection | IP 66/67 to IEC/EN 60529 |
| Switching system | slow action |
| Switching elements | 1 NC/1 NO contact, type Zb |
| Connection | screw connection terminals |
| Cable cross-section | 0.34 ... 2.5 mm ² (incl. conductor ferrules) |
| Cable entry | 1 x M20 x 1.5 |
| Rated impulse withstand voltage U_{imp} | 6 kV |
| Rated insulation voltage U_i | 500 V |
| Conventional thermal current I_{the} | 10 A |
| Utilisation category | AC-15; DC-13 |
| Rated operating current/voltage I_e/U_e | AC: 24 V-10 A/120 V-6 A/400 V-4 A DC: 24 V-6A/125 V-0.55 A/250 V-0.4 A Minimum electrical load: 5 V/10 mA |
| Short-circuit protection | 10 A gG/gL fuse |
| Conditional short-circuit current | 1000 A |
| Operation cycles | max. 1800/h |
| Mechanical life | > 1 million operations |
| Ambient temperature | -30 °C ... +70 °C |

Errors and omissions excepted.



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Approvals



Chemical resistance

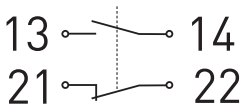
Enclosure material resistant to:

oil and petrol, alcohol, animal fats and oils, vegetable fats and oils, silicone oils, surfactants, detergents, water vapour, salt water, organic acids (citric acid, benzoic acid)

Enclosure material not resistant to:

mineral acids (concentrated hydrochloric acid, battery acid, sulphuric acid, nitric acid)

Contact diagram



Switching diagram

