

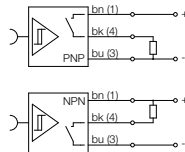
# Accessories for capacitive sensors

## Sensor amplifier for capacitive sensors without internal amplifier



|   |                        |                         |
|---|------------------------|-------------------------|
| Size  | <b>45x30x15 mm</b>     |                         |
| PNP NO  | <b>Ordering code</b>   | <b>BAE009E</b>          |
|   | Part number            | SV-45 / 30 / 15 - P - S |
| PNP NC  | <b>Ordering code</b>   | <b>BAE009F</b>          |
|   | Part number            | SV-45 / 30 / 15 - P - O |
| NPN NO  | <b>Ordering code</b>   | <b>BAE009H</b>          |
|   | Part number            | SV-45 / 30 / 15 - N - S |
| NPN NC  | <b>Ordering code</b>   | <b>BAE009J</b>          |
|   | Part number            | SV-45 / 30 / 15 - N - O |
| Supply voltage $U_B$  | 12...35 V DC           |                         |
| Voltage drop $U_d$ at $I_o$   | 0.8 V                  |                         |
| Rated insulation voltage $U_i$  | 75 V DC                |                         |
| Output current max.   | 300 mA                 |                         |
| No-load supply current $I_o$ max.   | 20 mA                  |                         |
| Polarity reversal protected/transposition protected/short-circuit protected | Yes/Yes/Yes            |                         |
| Ambient temperature $T_a$   | -30...+70 °C           |                         |
| Switching frequency $f$   | 100 Hz                 |                         |
| Supply voltage/Output function indicator                                    | Green LED/Yellow LED   |                         |
| Degree of protection as per IEC 60529                                       | IP 67                  |                         |
| Material  | Housing                | PC                      |
| Connection  | 2 m PUR cable 3x26 AWG |                         |

### Pin assignments



### Function overview

- LED 1: Switching state indicator
- LED 2: Shows supply voltage
- Item 1: Through-hole  
 $\varnothing$  4.2 mm, hexagonal on both sides  
 for inserting an M3 nut

