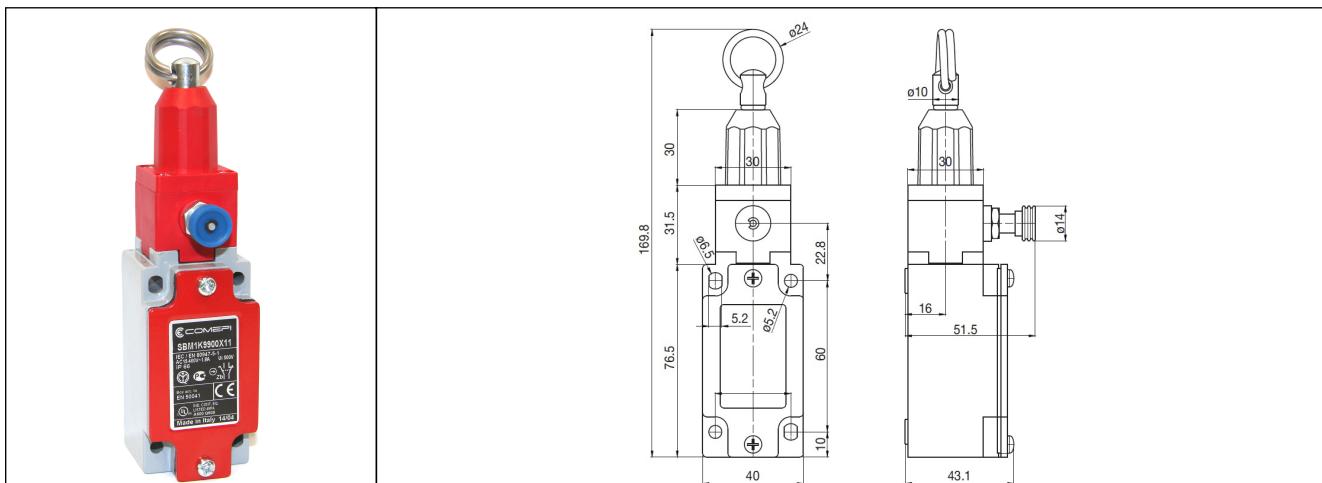
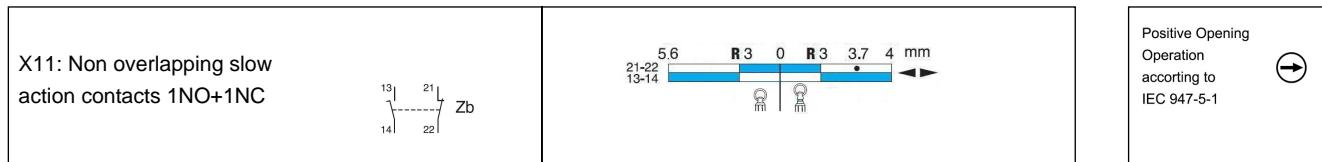


| Code                  | Description  |
|-----------------------|--|
| SBM5K9900X11          | Limit switch   |
| Casing                | Safety limit switch - Aluminium casing IP66 - 40mm width - 1 cable inlet |
| Electrical connection | Cable inlet(s) for M20x1,5 cable gland                                   |
| Operation head        | Pull wire with reset for emergency stop                                  |
| Contacts              | X11: Non overlapping slow action contacts 1NO+1NC                        |



### Travel and Operation Diagram



### General Technical Data

| Metal Casing  |   |  |  |
|---|---|--|--|
| Devices conform with international IEC 947-5-1 and European EN 60 947-5-1 standards   |   |  |  |
| <b>Standards</b>  | UL - CSA - IMQ  |  |  |
| <b>Certifications - Approvals</b>   |   |  |  |
| <b>Air temperature near the device</b>  |   |  |  |
| - during operation  | °C  | -25 ... +70  |  |
| - for storage   | °C  | -30 ... +80  |  |
| <b>Protection against electrical shocks</b> (according to IEC 536)  |   | Class I  |  |
| <b>Degree of protection</b> (according to IEC 529 and EN 60 529)  |   | IP 66**  |  |
| <b>Rated insulation voltage <math>U_i</math></b>  |   | 500 V (degree of pollution 3) (400 V for contacts type X12P, X21P, W03P)<br>A 600, Q 600 (A 300, Q 300 for contacts type X12P, X21P, W03P) |  |
| <b>Rated impulse withstand voltage <math>U_{imp}</math></b><br>(according IEC 947-1 and EN 60 947-1)                              | kV  | 6  |  |
| <b>Conventional free air thermal current <math>I_{th}</math></b><br>(according to IEC 947-5-1 and EN 60 947-5-1) $\theta < 40$ °C | A   | 10   |  |
| <b>Short-circuit protection</b>   |   |  |  |
| $U_e < 500$ V a.c. - gG (gl) type fuses   | A   | 10   |  |
| <b>Rated operational current</b>  |   |  |  |
| $I_e$ / AC-15 (according to IEC 947-5-1)  | 24 V - 50/60 Hz<br>120 V - 50/60 Hz<br>230 V - 50/60 Hz<br>240 V - 50/60 Hz<br>400 V - 50/60 Hz | A<br>A<br>A<br>A<br>A  | 10<br>6<br>3.1<br>3<br>1.8                         |
| $I_e$ / DC-13 (according to IEC 947-5-1)  | 24 V - d.c.<br>125 V - d.c.<br>250 V - d.c.   | A<br>A<br>A  | 2.8<br>0.55<br>0.27                                |
| <b>Switching frequency</b>  | Cycles/h  | 3600   |  |
| <b>Load factor</b>  |   | 0.5  |  |
| <b>Resistance between contacts</b>  | mΩ  | < 25   |  |
| <b>Connecting terminals</b>   |   | M3.5 (+, -) pozidriv 2 screw with cable clamp (M3 for 3 poles contacts type)   |  |
| <b>Terminal for protective conductor</b>  |   | M3.5 (+, -) pozidriv 2 screw with cable clamp  |  |
| <b>Connecting capacity</b>  | 1 or 2 x mm <sup>2</sup>  | 0.75 ... 2.5 (0.34... 1.5 for 3 poles contacts type)   |  |
| <b>Terminal marking</b>   |   | According to EN 50 013   |  |
| <b>Mechanical durability</b>  | Millions of operations  | 30<br>25<br>10   | BM•E/P<br>41...44; 51...54; 61...75<br>91...93; 99 |

\*\* BM•E4 - P92 - E92 - P93 - E93: PROTECTION DEGREE IP65. - For the complete list of approved products contact our technical department.

IMQ listed values

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