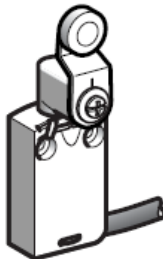
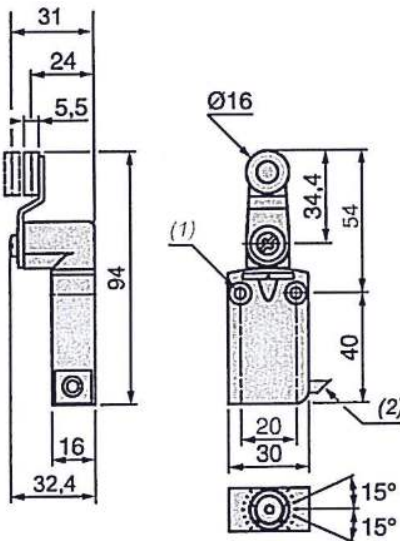
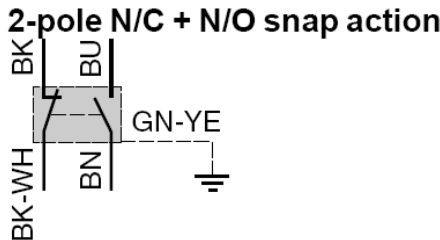


| CLYDE<br>BERGEMANN                                                                                                                                                                                                                                                                                                                                                                                   |            | Technical Specification<br>Limit Switch XCMD 2116L ... SBW                                                                                            |      |      |      |  | R – E 732<br>Sheet: 1 of 1 |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|------|------|------|--|----------------------------|
| <div><div></div><div></div><div></div></div> <div>(1) Mounting hole <math>\varnothing</math> 4.2 mm<br/>(2) Cable diameter 7.2 +/- 0.2 mm</div> |            |                                                                                                                                                       |      |      |      |  |                            |
| <b>Technical Data:</b>                                                                                                                                                                                                                                                                                                                                                                               |            |                                                                                                                                                       |      |      |      |  |                            |
| Standards                                                                                                                                                                                                                                                                                                                                                                                            |            | Normal execution; Alternative: Ex tb Execution                                                                                                        |      |      |      |  |                            |
| Degree of protecting of enclosure                                                                                                                                                                                                                                                                                                                                                                    |            | IEC 60947-5-1 / EN 60947-5-1 / EN 60204-1                                                                                                             |      |      |      |  |                            |
|                                                                                                                                                                                                                                                                                                                                                                                                      |            | UL                                                                                                                                                    |      |      |      |  |                            |
| Housing material                                                                                                                                                                                                                                                                                                                                                                                     |            | Zamak                                                                                                                                                 |      |      |      |  |                            |
| Degree of protection                                                                                                                                                                                                                                                                                                                                                                                 |            | IP 66 acc. to IEC 60529                                                                                                                               |      |      |      |  |                            |
| Contact material                                                                                                                                                                                                                                                                                                                                                                                     |            | silver                                                                                                                                                |      |      |      |  |                            |
| Protection                                                                                                                                                                                                                                                                                                                                                                                           |            | Class 1 acc. to IEC 61140 and NF C20-030                                                                                                              |      |      |      |  |                            |
| Operating temperature                                                                                                                                                                                                                                                                                                                                                                                |            | Operating:   -25 to +90°C fixed wiring<br>-5 to +90°C flexible wiring<br>Storage:      -40 bis +70°C                                                  |      |      |      |  |                            |
| Mechanical endurance                                                                                                                                                                                                                                                                                                                                                                                 |            | 1.000.000 switching cycles                                                                                                                            |      |      |      |  |                            |
| Actuating speed                                                                                                                                                                                                                                                                                                                                                                                      |            | maximum 1.5 m/s at the roller                                                                                                                         |      |      |      |  |                            |
| Repeat accuary                                                                                                                                                                                                                                                                                                                                                                                       |            | 0,05 mm at 1x10 <sup>6</sup> switching cycles, depending on switching point                                                                           |      |      |      |  |                            |
| Operating data                                                                                                                                                                                                                                                                                                                                                                                       |            | AC-15; B300 (U <sub>e</sub> = 240 V, I <sub>e</sub> = 1.5 A)<br>DC-13; R300 (U <sub>e</sub> = 250 V, I <sub>e</sub> = 0.1 A)<br>I <sub>th</sub> = 6 A |      |      |      |  |                            |
| Minimum load                                                                                                                                                                                                                                                                                                                                                                                         |            | 24 V, 3mA                                                                                                                                             |      |      |      |  |                            |
| Insulating voltage                                                                                                                                                                                                                                                                                                                                                                                   |            | U <sub>i</sub> = 400 V; U <sub>imp</sub> = 4 kV,<br>degree of pollution 3 acc. to IEC 60947-5-1                                                       |      |      |      |  |                            |
| Switching system                                                                                                                                                                                                                                                                                                                                                                                     |            | Auxiliary contact NC+NO with snap action<br>Possible lever position all 15°                                                                           |      |      |      |  |                            |
| Type of connection                                                                                                                                                                                                                                                                                                                                                                                   |            | halogenfree cable, 5 x 0.75 mm <sup>2</sup><br>type style 21209 length 1, 5, 10 and 15 m;<br>cable exit right (as drawn)                              |      |      |      |  |                            |
| Climatic resistance                                                                                                                                                                                                                                                                                                                                                                                  |            | "Climateproof" acc. UTE C 63-100, DIN 50016                                                                                                           |      |      |      |  |                            |
| Inscription                                                                                                                                                                                                                                                                                                                                                                                          |            | "Clyde Bergemann and Telemecanique Logo"<br>Wiring diagram, technical data                                                                            |      |      |      |  |                            |
| Edition:                                                                                                                                                                                                                                                                                                                                                                                             | 1/99       | 1/02                                                                                                                                                  | 1/09 | 1/14 | 1/23 |  | Appr.: Bauer               |
| Date:                                                                                                                                                                                                                                                                                                                                                                                                | 01.03.2023 | CLYDE BERGEMANN GmbH D-46485 Wesel                                                                                                                    |      |      |      |  | Name: Beckmann             |