

CLYDE BERGEMANN		Technical Specification Limit Switch EM 14 DS				R – E 732 Sheet: 1 of 1																																					
The drawing includes three views of the limit switch: a front view, a side view, and a wiring diagram. The front view shows a rectangular housing with a roller at the top. Dimensions include a total width of 30 mm, a roller diameter of 14 mm, and a mounting hole diameter of 4.3 mm. The side view shows the switch mechanism with dimensions for the roller arm (31.5 mm total length, 29.5 mm to the roller, 8 mm to the switch) and the base (16 mm width, 29.5 mm to the switch, 4 mm to the base). The wiring diagram shows two sets of terminals: Gy 22 and Bk 21 on the top, and 14 BN and 13 BU on the bottom. The switch is shown in two positions: closed (top) and open (bottom). Technical Data: <table><tr><td>Standards</td><td>Normalexecution; Alternative: EEx „d“ Execution</td></tr><tr><td>Degree of protecting of enclosure</td><td>IEC 947-5-1/EN 60947-5-1/ DIN VDE 0660 part 200 EN 60204-1</td></tr><tr><td>Housing material</td><td>Impact proof thermoplastic, UL 94-V0</td></tr><tr><td>Degree of protection</td><td>IP 67 acc. IEC 529 ; IP 675 acc. NF C 20-030</td></tr><tr><td>Contact material</td><td>2 µm gilded</td></tr><tr><td>Protection</td><td>Protection class 1 acc. IEC 536 and NF 20-030</td></tr><tr><td>Operating temperature</td><td>Operating: -25 to +90°C fixed wiring -5 to +90°C movable wiring Storage: -25 to +90°C</td></tr><tr><td>Mechanical endurance</td><td>10x10⁶ switching cycles</td></tr><tr><td>Actuating speed</td><td>4,5 m/min at the roller</td></tr><tr><td>Repeat accuary</td><td>0,05 mm at 1 x10⁶ switching cycles</td></tr><tr><td>Operating data</td><td>250V AC 5A (AC 15) 230 V DC 0,2A (DC 13)</td></tr><tr><td>Minimum load</td><td>24 V 3mA</td></tr><tr><td>Insulating voltage</td><td>500V AC, 25-60 Hz</td></tr><tr><td>Rated operational current (AC 11)</td><td>5 A (220 V AC)</td></tr><tr><td>Switching system</td><td>Snap action</td></tr><tr><td>Type of teminals</td><td>Halogenfree, looked in wire 4 x 0,75 mm² lenght 1; 5, 10 and 15m; wiring right (as drawn) possible lever position all 45°</td></tr><tr><td>Climatic resitance</td><td>acc. DIN 40046</td></tr><tr><td>Inscription</td><td>„Clyde Bergemann Logo“ Wiring diagramm Technical data</td></tr></table>								Standards	Normalexecution; Alternative: EEx „d“ Execution	Degree of protecting of enclosure	IEC 947-5-1/EN 60947-5-1/ DIN VDE 0660 part 200 EN 60204-1	Housing material	Impact proof thermoplastic, UL 94-V0	Degree of protection	IP 67 acc. IEC 529 ; IP 675 acc. NF C 20-030	Contact material	2 µm gilded	Protection	Protection class 1 acc. IEC 536 and NF 20-030	Operating temperature	Operating: -25 to +90°C fixed wiring -5 to +90°C movable wiring Storage: -25 to +90°C	Mechanical endurance	10x10 ⁶ switching cycles	Actuating speed	4,5 m/min at the roller	Repeat accuary	0,05 mm at 1 x10 ⁶ switching cycles	Operating data	250V AC 5A (AC 15) 230 V DC 0,2A (DC 13)	Minimum load	24 V 3mA	Insulating voltage	500V AC, 25-60 Hz	Rated operational current (AC 11)	5 A (220 V AC)	Switching system	Snap action	Type of teminals	Halogenfree, looked in wire 4 x 0,75 mm ² lenght 1; 5, 10 and 15m; wiring right (as drawn) possible lever position all 45°	Climatic resitance	acc. DIN 40046	Inscription	„Clyde Bergemann Logo“ Wiring diagramm Technical data
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