

# Datalogic Safety Light Curtains

| Specification           | SG4-14 Base Series   | SG4-30 Base Series   | SG4-14 Advanced Series   | SG4-30 Advanced Series   |
|-------------------------|--|--|--|--|
| <b>Description</b>      | <i>Finger Protection, 14mm resolution</i>                        | <i>Hand Protection, 30mm resolution</i>                          | <i>Finger Protection, 14mm resolution</i>  | <i>Hand Protection, 30mm resolution</i>  |
| <b>Protected Height</b> | 150 to 900mm (5.91 to 35.43 in)                                  | 300 to 1800mm (11.81 to 70.81 in)                                | 300 to 750mm (11.81 to 29.52 in)<br>(No Dead Zone)   | 300 to 1800mm (11.81 to 70.87 in)<br>(No Dead Zone)  |
| <b>Safety Level</b>     | Cat.4, PLe (EN/ISO 13849-1)<br>Type 4 (IEC 61496-1/2)            | Cat.4, PLe (EN/ISO 13849-1)<br>Type 4 (IEC 61496-1/2)            | Cat.4, PLe (EN/ISO 13849-1)<br>Type 4 (IEC 61496-1/2)  | Cat.4, PLe (EN/ISO 13849-1)<br>Type 4 (IEC 61496-1/2)  |
| <b>Operating Range</b>  | 0.2 to 6m (0.66 to 19.68 ft)                                     | 0.2 to 19m (0.66 to 63.34 ft)                                    | 0.2 to 4m (0.66 to 13.12 ft)<br>0.2 to 7m (0.66 to 22.97 ft)<br>(Selectable)   | 0.2 to 12m (0.66 to 39.32 ft)<br>0.2 to 20m (0.66 to 65.62 ft)<br>(Selectable)   |
| <b>Output State</b>     | N.C.   | N.C.   | N.C.   | N.C.   |
| <b>Logic Output</b>     | Dual PNP outputs, short-circuit protected                        | Dual PNP outputs, short-circuit protected                        | Dual PNP / NPN configurable outputs short-circuit protected  | Dual PNP / NPN configurable outputs short-circuit protected  |
| <b>Connection Type</b>  | Sender: 4-pole, M12 connector<br>Receiver: 8-pole, M12 connector | Sender: 4-pole, M12 connector<br>Receiver: 8-pole, M12 connector | Sender: M12 5-pole connector<br>Receiver: M12 12 poles + M12 5 poles for muting applications<br>M12 12 poles for blanking applications | Sender: M12 5-pole connector<br>Receiver: M12 12 poles + M12 5 poles for muting applications<br>M12 12 poles for blanking applications |
| <b>Supply Voltage</b>   | 24VDC $\pm$ 20%  | 24VDC $\pm$ 20%  | 24VDC $\pm$ 20%  | 24VDC $\pm$ 20%  |
| <b>Rating</b>           | IEC IP65   | IEC IP65   | IEC IP65   | IEC IP65   |



# Safety Products



*Warning: Safety products sold by AutomationDirect are Safety components only. The purchaser/installer is solely responsible for the application of these components and ensuring all necessary steps have been taken to assure each application and use meets all performance and applicable safety requirements and/or local, national and/or international safety codes as required by the application. AutomationDirect cannot certify that our products, used solely or in conjunction with other AutomationDirect or other vendors' products, will assure safety for any application. Any person using or applying any products sold by AutomationDirect is responsible for learning the safety requirements for their individual application and applying them, and therefore assumes all risks, and accepts full and complete responsibility, for the selection and suitability of the product for their respective application.*

*AutomationDirect does not provide design or consulting services, and cannot advise whether any specific application or use of our products would ensure compliance with the safety requirements for any application.*