



## IDEM Z- SERIES ROPE PULL SWITCHES

GLM-Z, GLS-Z, GLHD-Z, GLHL-Z, GLHR-Z,  
GLM-SS-Z, GLS-SS-Z, GLHD-SS-Z, GLHL-SS-Z,  
GLHR-SS-Z

143300-Z  
GLM-Z Z-Range 2 OSSD 1 Auxiliary M12-QC 8-Poles  
250mm Flying Lead

- LED Indication
- Suitable for series connection up to PLe
- Quick Connect
- Suitable for long Conveyors up to 250m



### PRODUCT DESCRIPTION

IDEM's Z-Range die-cast safety rope pull switches (models GLM-Z, GLHL-Z, GLHD-Z) feature robust yellow die-cast metal housings with IP67 protection, designed to endure industrial conditions. Each unit incorporates dual OSSD channels plus an auxiliary PNP output, delivering coded 24 V pulse signals that self-monitor for faults like wire breaks or shorts, crucial for safety-rated architectures. Cable runs vary by model, from 30 m on the mini-duty GLM-Z to 100 m per switch in the heavy-duty GLHL-Z and GLHD-Z, enabling flexible installation across extensive systems. Activation, either by pulling on the rope or grabbing the wire, generates a failsafe fault condition detected immediately by the OSSD logic.

These switches are ideal for safeguarding long conveyor lines, assembly belts, or machinery zones where fixed guarding isn't feasible. The dual-channel OSSD output integrates seamlessly into SIL 3/PLe safety controllers, allowing up to dozens of switches in series while maintaining continuous diagnostics. Whether for short spans with the GLM-Z, medium runs with GLHL-Z (100 m), or extra-long reaches using multiple GLHD-Zs, these units enable quick emergency shutdowns by pulling anywhere along the rope. Their rugged IP67-rated die-cast housings make them suitable for harsh environments reliable operation in industries from manufacturing to mining.