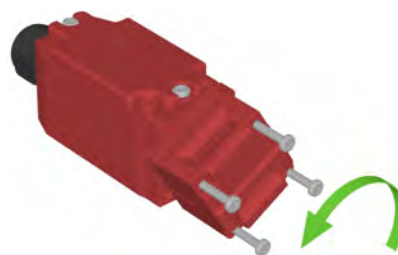


Z-Range with OSSD: KM-Z & KM-SS-Z

APPLICATIONS & FEATURES:



The head can be rotated to give 8 actuator entry positions.

Flexible actuators are available.

INTERNAL LED's (remove switch cover):



KOBRA WITH Z-RANGE TECHNOLOGY:

Kobra Tongue Interlock Safety Switches provide reliable safety monitoring, ideal for safeguarding machine guards, doors, and access panels. Featuring OSSD (Output Signal Switching Device) outputs, these switches ensure the highest level of safety by preventing tampering and ensuring fail-safe operation. Designed for robustness and durability, these interlock switches are perfect for applications requiring frequent access while maintaining stringent safety standards. Easy to install and maintain, they deliver consistent performance in demanding industrial environments, ensuring your operations remain secure and efficient.

Additionally, these Tongue Interlock Safety Switches can be connected in series, accommodating up to 30 units while maintaining a performance level e (PLe) according to ISO 13849-1. This capability allows for comprehensive safety coverage across multiple access points without compromising the system's overall integrity or performance, ensuring that your safety infrastructure remains robust and effective.

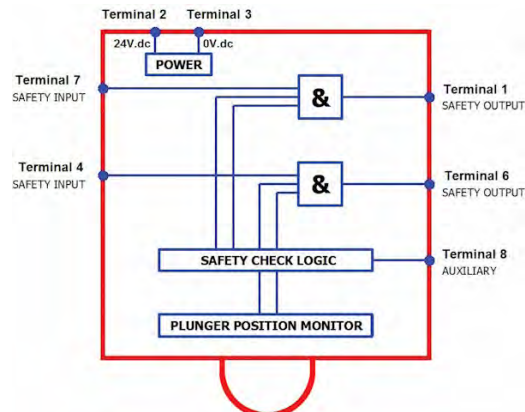
- Available in Die-Cast Metal or Stainless Steel 316
- Reliable Tongue Interlocking for Long Lifecycle
- OSSD Outputs for Series Connectivity
- Quick Connect for Fast Installation and Maintenance

OPERATION:

Designed to fit to the leading edge of sliding, hinged or lift off machine guards. They provide a forced disconnect of the safety contacts at the withdrawal of the actuator and have an anti-tamper not easily defeatable cam system.

The rotatable heads have dual actuator entry positions to give up to 8 different entry positions. High holding force versions are available for applications where vibration can be a nuisance.

LED Function		Status
GREEN	RED	
ON	OFF	Inputs active, outputs enabled
OFF	ON	Outputs disabled
FLASHING	ON	Inputs missing, outputs disabled
OFF	FLASH 2Hz	Output fault (check for wiring short circuits)
OFF	FLASH 4Hz	Internal fault



TECHNICAL SPECIFICATIONS:

Standards

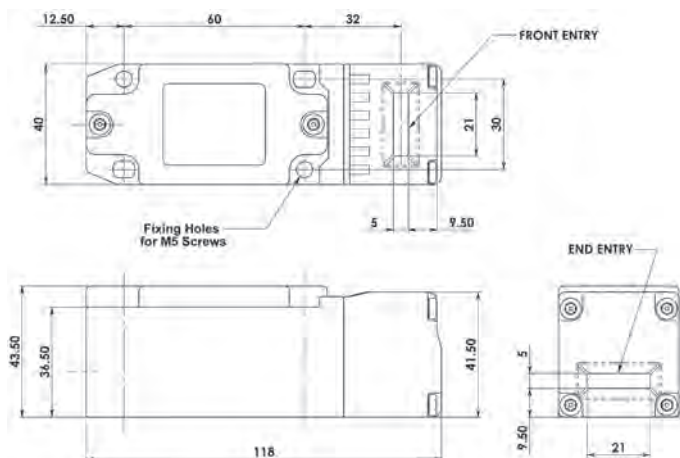
ISO14119 EN 60947-5-3 EN 60204-1 ISO 13849-1 EN 62061 UL 60947-5-1 UL60947-5-1 IEC 60947-5-5

Technical Data

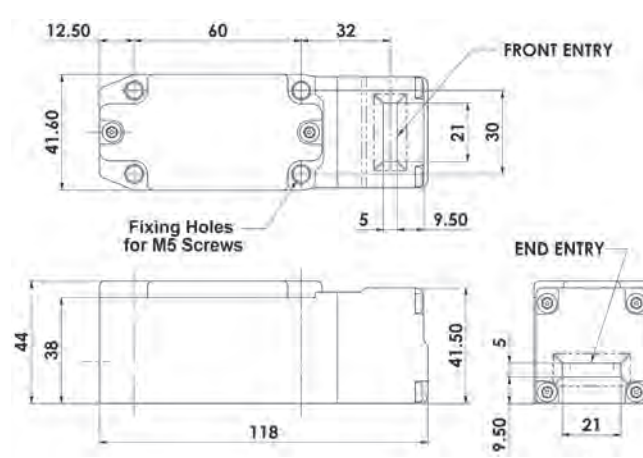
Rated Operating Voltage	24V DC -15% +10% Use SELV/PELV
Power Consumption	0.7W
Outputs Rated Voltage	24V DC
Outputs max. / min. Current	0.2 A / 1mA
Outputs Type	OSSD, PNP
Inputs Rated Voltage / Current	24V DC / 2mA
Auxiliary Signalling Output Rated	24V DC
Auxiliary Signalling Output Max.	0.2 A PNP
Mechanical Reliability B10d	1.5 x 10 ⁶ operations
Response Time Guard Open	60ms max.
Response Time Inputs Off	20ms max.
Operating Temperature	-20 / 50C
Dielectric Withstand	250V AC
Enclosure Protection	IP67 (Die Cast Metal) IP69K (S/Steel) (Temporary cleaning)
Body Material	Die Cast Metal or S/Steel 316

Z-Range with OSSD: KM-Z & KM-SS-Z

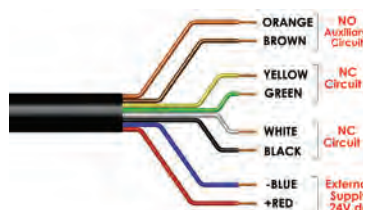
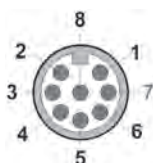
KM-Z DIE-CAST



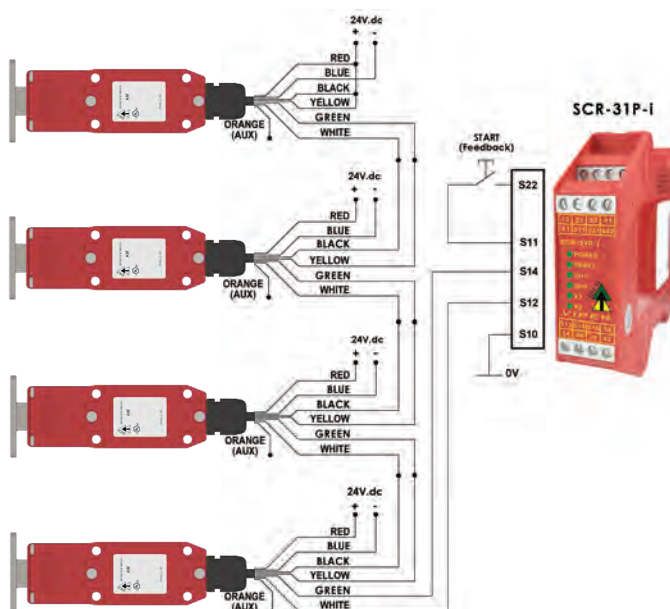
KM-SS-Z STAINLESS STEEL 316



CONNECTIVITY:



Quick Connect QC M12 8 Way Male Plug Pin view from Switch	Flying Lead Colour	Circuit (Actuator Present)
2	Red	Supply +24Vdc
3	Blue	Supply 0Vdc
7	Black	Safety Input 1
1	White	Safety Output 1
4	Yellow	Safety Input 2
6	Green	Safety Output 2
5		Not used
8	Orange	Auxiliary



PART NUMBERS:

KM-Z



KM-SS-Z



SALES NUMBER	DESCRIPTION	MATERIAL	CONTACTS	CONNECTIVITY
203300-Z	KM-Z (Die-Cast)	Die-Cast	2 OSSD / 1 AUX	QC-M12 8way 250mm Pigtail
204300-Z	KM-SS-Z (S/Steel)	Stainless Steel		

SALES NUMBER	DESCRIPTION
140101	M12 Female 5m. 8 way
140102	M12 Female 10m. 8 way
140210-Z	Z-Range 8 ports, 8-pin M12 sockets, 24 VDC LED indicator(s)
140201	Patch Cord M12 Male to Female 2m
140202	Patch Cord M12 Male to Female 5m
140203	Patch Cord M12 Male to Female 10m
140206	T-Port M12 Connector
140207	M12 Short Plug

Standard



A

Flat



F

Plastic Flexible



PF

Heavy Duty Flexible



HF

Heavy Duty Flexible Stainless Steel



HFH