

Product KSM 131 R

Measurements in mm (h.x.d.x.w): 100x115x90



Description

Digital I/O expansion series for the KSM100 series. The module will be connected to the main module via the Back-Plane-Connector by just clicking it in.

The expansion module provides 2 safe I/O's, which could be selectively configured as an input or an output. Additional 12 safe inputs, 2 messaging outputs and 4 safe relay outputs.

- 12 safe inputs thereof 8 OSSD compatible
- 2 safe I/O's configurable as input or output
- 4 safe relay outputs
- 2 messaging outputs
- Short circuit monitoring
- Multiplexing of contacts or contact amplification via external contactors in connection with internal monitoring
- Comprehensive diagnostics implemented in FW

Technical data

Safety characteristics		
PI in accordance to EN 13849	PI e	
PFH/Architecture	Typ. 1,1 * 10 ⁹ /Architecture Class 4	
SIL in accordance to EN 61508	SIL 3	
Proof-test-interval	20 years = max. period of application	
General data		
Safe digital input lines	12 incl. 8 OSSD	
Safe digital I/O lines	2	
Safe digital output lines	-	
Safe analog-In	-	
Safe relay outputs	4	
Standard output lines	2	
Pulse output lines (cross-short-cut detection)	2	
Type of connectors	Terminalblocks	
Electrical data		
Power consumption	Max. 3,8 W	
Rated data digital In	24 VDC; 20 mA, Typ1 nach EN61131-2	
Rated data digital Out	24 VDC; 250 mA	
Pulse output lines (cross-short-cut detction)	Max. 250 mA	
Environmental data		
Temperature	0° up to 50° operational temp.; -10° up to +70° storage temp.	
Protection rating	IP 52	
Climate class	3 in accordance to DIN 50 178	
EMI	According to EN 55011 and EN 61000-6-2	
Mechanical data		
Size (h.x.d.x.w [mm])	100x115x90	
Weight	300 g	
Mounting	Snap-on mounting on standard head rail	
Max. terminal cross-section	1,5 mm²	

Pin Out - terminal diagram

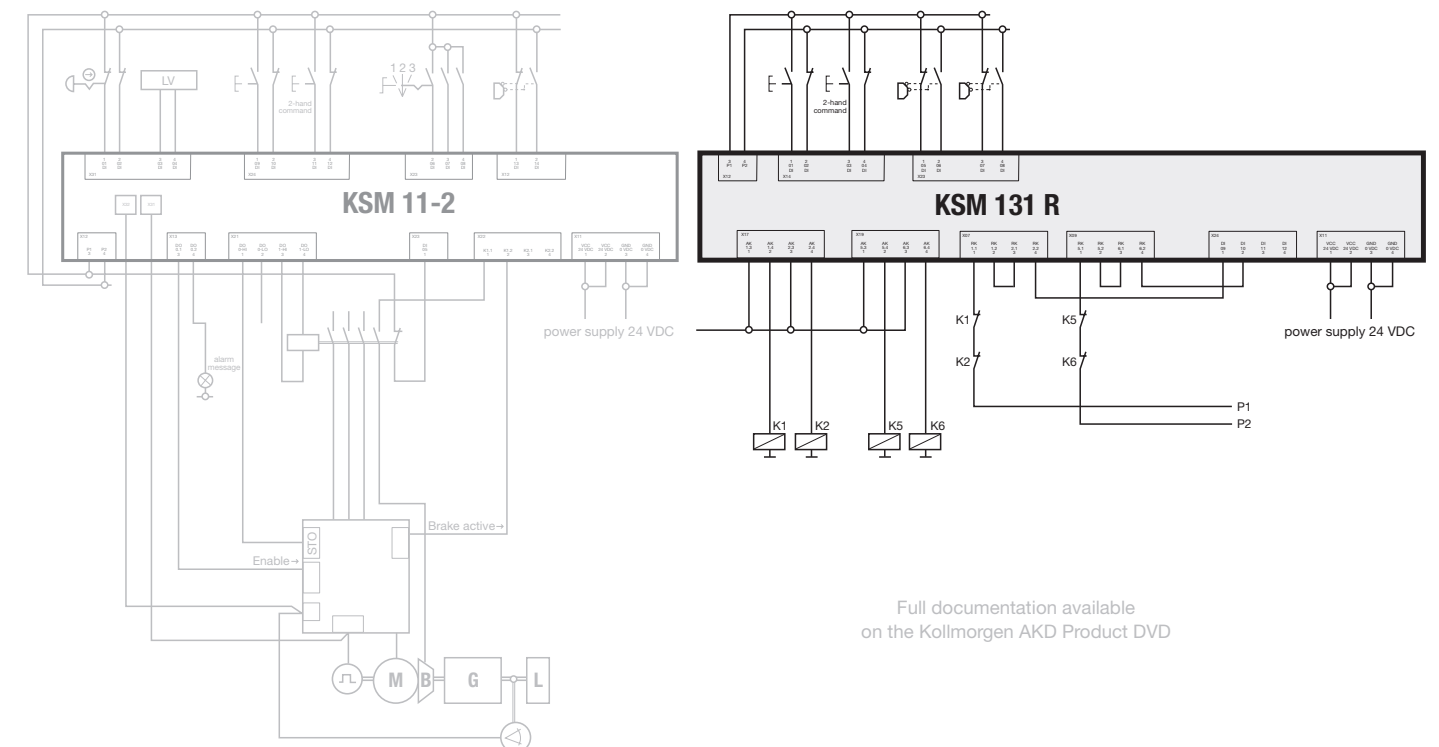
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*The variable encoder power supply has to be provided external. It will be internal monitored.

KSM 131 R - I/O overview

Quantity	I/O's
4	digital inputs
8	digital inputs (OSSD)
2	digital outputs/inputs I/O
8	relay outputs
2	pulse outputs
2	messaging outputs

KSM 131 R - sketch (example)



Full documentation available on the Kollmorgen AKD Product DVD