

L200-M1C3-SLM24-L2G Solenoid Spring Interlock



Basic data

Series L200

Functions

Functions

Locking device with guard interlocking according to ISO 14119, Auxiliary release, Illuminated displays for magnet activation, Integration in control circuits up to category 4 in accordance with EN ISO 13849, Mechanical guard interlocking (spring-force)

Characteristic parameters

Mission time 20 years, EN ISO 13849-1

B10_d 2,000,000 number of cycles

Electrical data

Usage category at DC 13 U_e / I_e: 24 V / 6 A, 125 V / 1.1 A, 250 V / 0.4 A, EN 60947-5-1

Usage category at AC 15 U_e 250 V, I_e 5 A, EN 60947-5-1

Technical Data

Contact allocation, magnet	2NC
Contact opening	Force-fit
Magnet operating voltage	24 V DC, -10 ... 25 %
Short circuit protection, magnet	0.5 A, 24 V, type gG, IEC 60269-1
Short circuit protection, safety circuit	500 V, 10 A, type aM, IEC 60269-1
Contact protection	Earthing
Performance data	
Rated insulation voltage	250 V AC, 300 V DC
Conventional thermal current, max.	10 A

Timing	
Switch-on time	100 %

Connection	
Number of connections	1 Piece(s)
Number of cable entries	3 Piece(s)
Connection 1	
Type of connection	Terminal
Function	Contact connection, Voltage supply
Type of terminal	Screw terminal
No. of pins	10 -pin
Cable properties	
Connection cross sections	1 x 0.34 mm ² to 2 x 1.5 mm ² , wire

Mechanical data

Design	Cubic
Dimension (W x H x L)	45 mm x 46 mm x 194.7 mm
Housing material	Metal, ZAMAK
Electrical contact material	Silver alloy
Net weight	736 g
Housing color	Gray, Red
Type of fastening	Through-hole mounting
Type of cable entry	M20 x 1.5
Switch type	Interlock device with guard interlocking, ISO 14119
Switching principle	Slow-action contact
Approach actuation directions	1 x top, 4 x side (90°)
Approach speed	0.001 ... 0.5 m/s
Locking actuation	Spring
Locking force, max.	2,500 N
Mechanical life time	1,000,000 actuation cycles, IEC 6047-5-1
Actuation frequency, max.	600 per hour, IEC 6047-5-1
External actuator	AC-AHxx, series, straight, angled, resilient, alignable
Extraction force, unlocked actuator	30 N
Recoil tolerance	4.5 mm

Environmental data

Ambient temperature, operation	-25 ... 60 °C
Degree of contamination	3, EN 60947-1

Certifications

Degree of protection	IP 67
Certifications	IMQ, c UL US

CellTec Pty Ltd

P: +61 3 8360 8533 | **E:** sales@celltec.com.au

A: 6 Paraweena Drive
Truganina VIC 3029 Australia

CellTec
engineering automation safety

celltec.com.au | CELLTEC 3