

Data Sheet For LJC18A3-B-Z/BX Approach Sensor

Operating form and model number

Current type	Operating form	Contact form	Model number
DC	NPN	NO	LJC18A3-B-Z/BX
DC	NPN	NC	LJC18A3-B-Z/AX
DC	PNP	NO	LJC18A3-B-Z/BY
DC	PNP	NC	LJC18A3-B-Z/AY
AC	Two wires	NO	LJC18A3-B-J/EZ
AC	Two wires	NC	LJC18A3-B-J/DZ

General

Model number	LJC18A3-B series
External dimensions	M18x1x60
Installation type	Non-shielded
Detection distance	10mm±10%
Setting distance	0-8 mm
Supply voltage	12-24Vdc (6-36Vdc); 110-220Vac (90-250Vac), 50/60Hz
Rated output current	N.P Type: 300mA max; D type: 200mA max; AC Type: 400mA

Standard detected object	Iron SPCC (50x50x1mm)
Sensing object	Metals/Non-metals
Response frequency	50Hz
Matched mounting bracket	M18 90° bending mounting bracket , M18 straight mounting bracket
Leakage current	N.P Type: 13mA max; D type: 0.8mA max; A Type: 1.7mA max
Hysteresis	10% max. of sensing distance
Protection circuit	DC: Reverse connection protection, Surge suppressor, Short-circuit protection
	AC: Surge suppressor
Insulation resistance	50MΩ min (between charging part and housing)
Dielectric strength	1000Vac, 1min (between charging part and housing)
Temperature influence	±10% max. of sensing distance at 23°C within temperature range of -25°C to 60°C
	±15% max. of sensing distance at 23°C within temperature range of -30°C to 65°C
Voltage influence	±10% max. of sensing distance in rated voltage range ±15%
IP Rating	IP65
Material	Case: Brass-nickel plated; Sensing surface: ABS

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