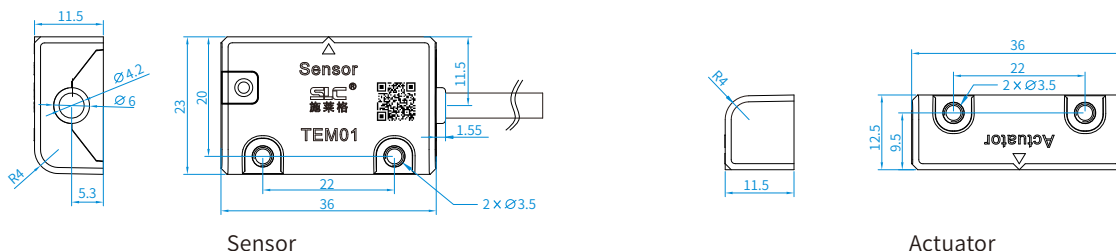


TEM01 series RFID switch selection guide

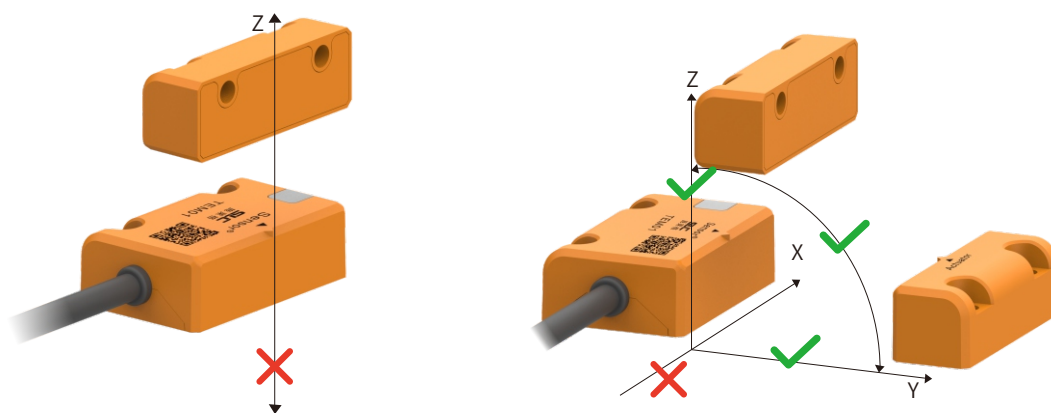
Model			Specification	Order number (Actuator + Sensor)
Actuators	Sensor	Actuator + Sensor		
TEM01DN-AC	TEM01DN-SE	TEM01DN	4-core direct lead dual NPN outputs	LOT362322L020SW2N
TEM01DP-AC	TEM01DP-SE	TEM01DP	4-core direct lead dual PNP outputs	LOT362322L020SW2P
TEM01CN-AC	TEM01CN-SE	TEM01CN	6-core direct lead dual cascaded NPN outputs	LOT362322L020S2CN
TEM01CP-AC	TEM01CP-SE	TEM01CP	6-core direct lead dual cascaded PNP outputs	LOT362322L020S2CP

TEM01 series RFID switch installation size (mm)

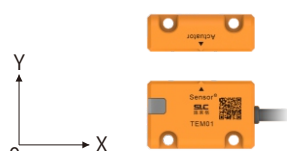
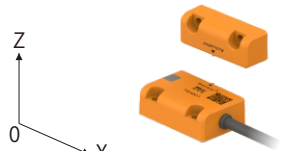


※Depending on the product configuration and manufacturing process, the actual product size and weight may vary, please refer to the actual product

TEM01 series RFID switch approach direction diagram

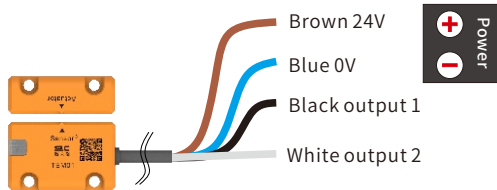


TEM01 series RFID switch sensing distance

	Misalignment deviation	Conduction	Disconnection	Alignment indication
Horizontal alignment	The deviation is within the range of ± 4 mm in the X direction	Sensing distance in Y direction 0~10mm	Sensing distance in Y direction >25 mm	
	Deviation in X direction >5 mm and <-5 mm	Not recommended		
Vertical alignment	The deviation is within the range of ± 4 mm in the X direction	Sensing distance in Z direction 0~8mm	Sensing distance in Z direction >23 mm	
	Deviation in X direction >5 mm and <-5 mm	Not recommended		

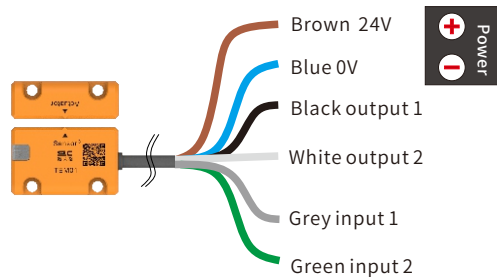
TEM01 series RFID switch wiring diagram

TEM01 Series RFIO Switch Wiring Diagram (Dual Output)









No.	Signal definition	Color	Illustrate
1	24V	Brown	Power +
2	0V	Blue	Power -
3	Output 1	Black	Safety output 1
4	Output 2	White	Safety output 2

TEM01 series RFIO switch wiring diagram (dual cascade outputs)



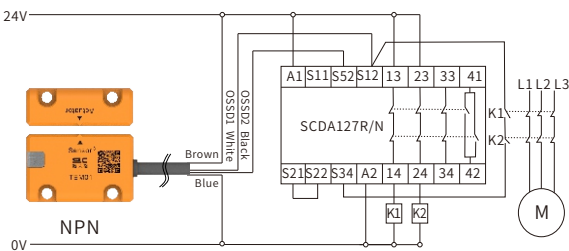
No.	Signal definition	Color	Illustrate
1	24V	Brown	Power +
2	0V	Blue	Power -
3	Output 1	Black	Safety output 1
4	Output 1	White	Safety output 2
3	Input 1	Grey	Cascade input 1
4	Input 2	Green	Cascade input 2

TEM01 series RFID switch indicator status

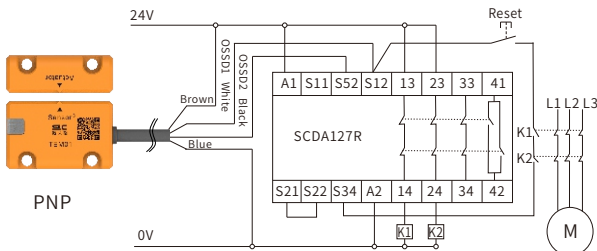
LED display	Signal status		Status description	
	Input	Output		
	Red on	Effective/invalid	Break	No actuator or not fully aligned (universal coding)
	Red on 1s, flashes 2nd (alternately)	Effective/invalid	Break	No actuator or incomplete alignment (unique coding)
	Red flashes 4Hz	Effective	Break	Output overload
	Green flashes 1Hz	Invalid	Break	No input signal (dual outputs not applicable)
	Green on	Effective	Open	Sensing normal
	Red Green flash alternately	Effective/invalid	Break	Tag not register

PS: The unique code needs to be paired for the first use, the TEM01 safety switch is installed OK, and after closing the door and powering on for 5 seconds, the safety switch shows a green light to pair into force.

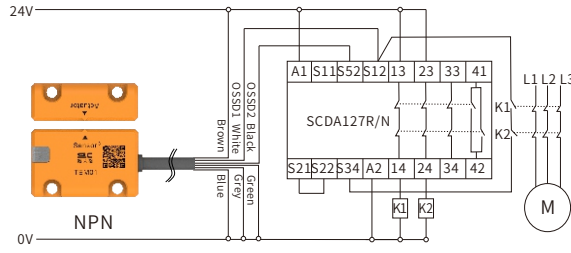
Example of wiring for dual NPN output applications



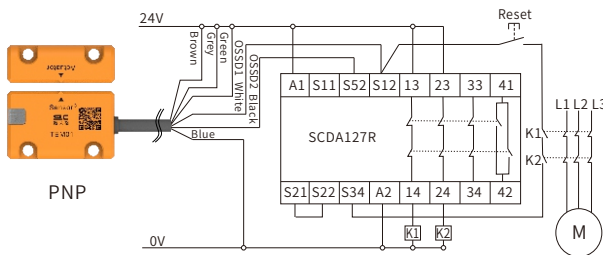
Example of wiring for dual PNP output applications



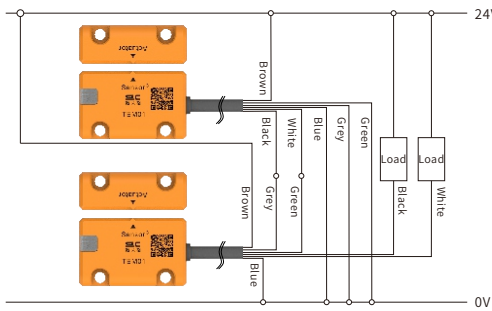
Dual cascaded NPN type output application wiring example



Dual cascaded PNP type output application wiring example



Two-way cascade NPN type output stage connection line example



Two-way cascade PNP type output stage connection line example

