

Thru-beam Mode (Slot Sensors)

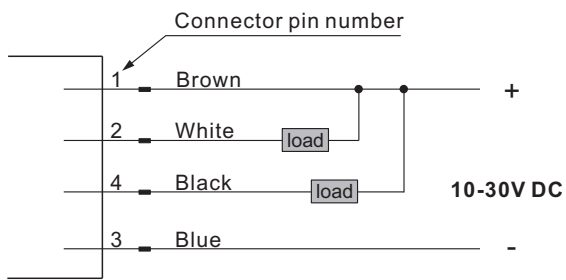
Bg: U SERIES

Sensors type	U05	U15
Slot spacing	5mm	15mm
Dimensions(Unit: mm)		
PNP red light 660nm	U05-T0005P-CY6Q4UP	U15-T0015P-CY6Q4UP
NPN red light 660nm	U05-T0005N-CY6Q4UP	U15-T0015N-CY6Q4UP
PNP infrared light 880nm	U05-T0005P-CY9Q4UP	U15-T0015P-CY9Q4UP
NPN infrared light 880nm	U05-T0005N-CY9Q4UP	U15-T0015N-CY9Q4UP
Supply voltage	10...30 V DC	
Voltage drop	< 1.5 V	
Rated isolation voltage	75 V DC	
Rated operational current	200 mA	
No-load supply current	≤ 35 mA	
Protected against polarity reversal	YES	
Short-circuit protected	YES	
On/Off delay	0.2 ms	
Frequency of operating cycles	1000 Hz	
Switching hysteresis	≤ 0.1 mm	
Resolution	0.3 mm	
Repeatability	0.02 mm	
Output function	Light on / Dark on	
Permissible ambient light	10 Klux	
Function indicator	LED red	
Ambient temperature range	-10...60°C	
Degree of protection	IP 65	
EMC	IEC 60947-5-2, Parts 7.2.6.1.2.3 or RFI>3V/m (in 30-1000MHz),EFT>1KV, ESD>4KV(contact)	
Shock	IEC 60947-5-2, Part 7.4.1 or 30g, 11ms in x, y and z directions for six time each	
Vibration	IEC 60947-5-2, Part 7.4.2 or 10-55Hz, 1.0mm amplitude in x, y and z directions for 30min	
Housing material	Die-cast	
Connection	M8 4pin Connector	
Weight	20 g	23 g
Photo		

Note:
 Coming Soon : Part numbers with underline
 In Preparation: Part numbers with a line through the middle

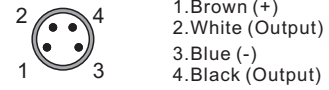
Connection Diagrams

NPN output type

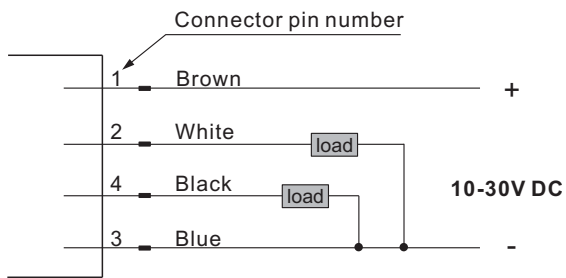


Connector face view

Pico-Style



PNP output type



Connector face view

Pico-Style

