Safety Light Curtains
Category 2 (EN61496-1)
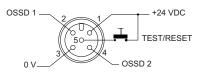
Note: The product images shown may change over time as products are updated.

Features

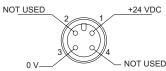Safety Light Curtains are used for the safety protection of people. Special safety rated redundant circuits provide confidence to machine designers and machine operators that once the beam is broken, the machine will become safe. Category 4 safety light curtains are available with small beam pitches to detect a finger or a hand, or with larger beam pitches to detect a larger body part. HTM Sensors safety light curtains are very easy to install with mounting brackets that attach to the top and bottom caps, or that fit inside the c-channel on the sides and have great prices to keep machines safe and within budget.

Part Number

HSC2-30-54

Connection

Receiver (RX):

OSSD 1
+24 VDC
TEST/RESET
0 V
OSSD 2

1 - Brown = +24 VDC
2 - White = OSSD 1
3 - Blue = 0 V
4 - Black = OSSD 2
5 - Grey = TEST/RESET

Emitter (TX):

NOT USED
+24 VDC
0 V
NOT USED

1 - Brown = +24 VDC
2 - White = NOT USED
3 - Blue = 0 V
4 - Black = NOT USED

Technical Data

Protection Type	Hand Protection
Resolution	30 mm
Protected Height	1350 mm
Total Housing Height	1433.2 mm
Operating Distance	0.2 m - 19 m
Power Supply	24 VDC
Outputs	2 PNP
Output Current	0.5 A max/output
Capacitive Load	2.2 uF @24 VDC max
Response Time	20 ms
Maximum Cable Length	50 m max
Operating Temperature	-10 ºC to +55 ºC
Humidity	15-95% (no condensation)
Mechanical Protection	IP65 (EN 60529)
Test Input	On Receiver
Restart Function	Automatic Restart
External Device Monitoring (EDM)	

Dimensions

12.5
Ø16
Ø16
M12
M2 nº3 x2
36.9
38
14
50.5
Protected Height X
Total Height X
32.3

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