

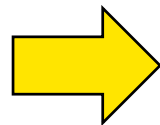
# Leuze

## Application Note LSIS 472i Substituts



# Find the correct replacement

Article number	Name	Successor Product	Article number	Name	Information
	<b>LSIS 472i without heating</b>	<b>IPS 200i/400i</b>			
50131438	LSIS 472i M43-I3	→	50135331	IPS 208i FIX-M3-102-I3	Contact support team in case of - Field of view - Interface communication
			50137968	IPS 248i FIX-M3-102-I3	
			50145996	IPS 258i FIX-M3-102-I3	
			50142214	IPS 408i FIX-F2-102-I3-G	
50128424	LSIS 472i M45-I3		50142218	IPS 448i FIX-F2-102-I3-G	
			50145998	IPS 458i FIX-F2-102-I3-G	
			50142216	IPS 408i FIX-F4-102-I3-G	
			50143672	IPS 448i FIX-F4-102-I3-G	
			50146000	IPS 458i FIX-F4-102-I3-G	
	<b>LSIS 472i with heating</b>	<b>IPS 200i/400i..H</b>			
50131439	LSIS 472i M43-I3-H	→	50135334	IPS 208i FIX-M3-102-I3-H	Contact support team in case of - Field of view - Interface communication
			50137969	IPS 248i FIX-M3-102-I3-H	
			50145997	IPS 258i FIX-M3-102-I3-H	
			50142215	IPS 408i FIX-F2-102-I3-G-H	
50128425	LSIS 472i M45-I3		50142219	IPS 448i FIX-F2-102-I3-G-H	
			50145999	IPS 458i FIX-F2-102-I3-G-H	
			50142217	IPS 408i FIX-F4-102-I3-G-H	
			50143673	IPS 448i FIX-F4-102-I3-G-H	
			50146001	IPS 458i FIX-F4-102-I3-G-H	

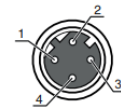


# Wiring overview

## LSIS 472i connectors

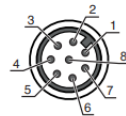
Connection 1		SERVICE
Function		Configuration interface Data interface Service interface
Type of connection		Connector
Thread size		M12
Type		Female
Material		Metal
No. of pins		4 -pin
Encoding		D-coded

Pin	Pin assignment
1	TD+
2	RD+
3	TD-
4	RD-



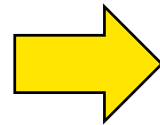
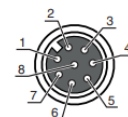
Connection 2		PWR
Function		Signal IN Signal OUT Voltage supply
Type of connection		Connector
Thread size		M12
Type		Male
Material		Metal
No. of pins		8 -pin
Encoding		A-coded

Pin	Pin assignment
1	VIN
2	IO1
3	GND
4	IO2
5	IO3
6	IO4
7	n.c.
8	FE



Connection 3		BUS OUT
Function		Data interface Signal IN Signal OUT
Type of connection		Connector
Thread size		M12
Type		Female
Material		Metal
No. of pins		8 -pin
Encoding		A-coded

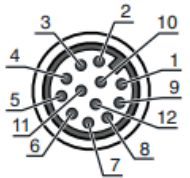
Pin	Pin assignment
1	IO5
2	IO6
3	GND
4	IO7
5	IO8
6	RS 232-RX
7	RS 232-TX
8	FE



## IPS 200i/400i connectors

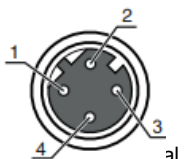
Connection 1		PWR / SWI / SWO
Function		Signal IN Signal OUT Voltage supply
Type of connection		Connector
Thread size		M12
Type		Male
Material		Metal
No. of pins		12 -pin
Encoding		A-coded

Pin	Pin assignment
1	VIN
2	GND
3	SWIN 1
4	SWOUT 2
5	FE
6	n.c.
7	SWOUT 5
8	SWOUT 6
9	SWOUT 7
10	SWOUT 8
11	SWIO 3
12	SWIO 4



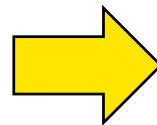
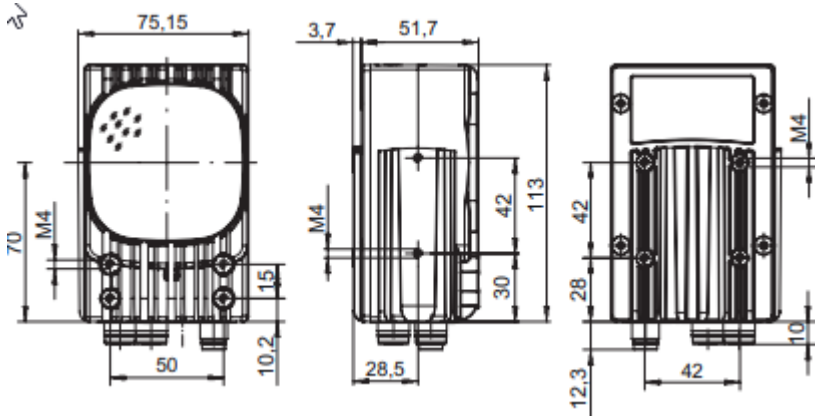
Connection 2		HOST
Function		Configuration interface Data interface
Type of connection		Connector
Thread size		M12
Type		Female
Material		Metal
No. of pins		4 -pin
Encoding		D-coded

Pin	Pin assignment
1	TD+
2	RD+
3	TD-
4	RD-

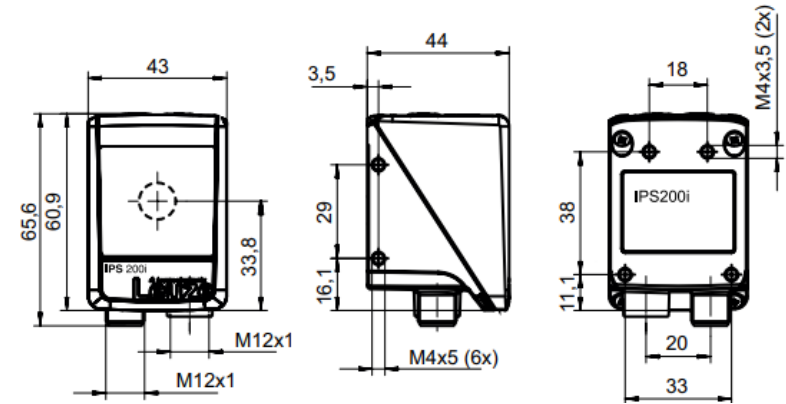


# Mechanical overview

## LSIS 472i mounting brackets

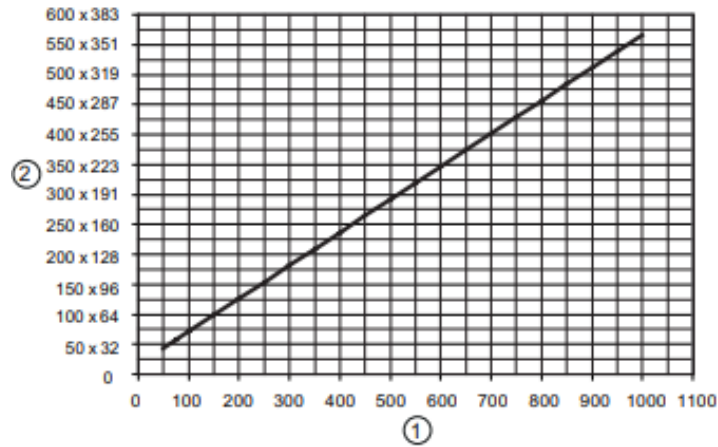


## IPS 200i/400i mounting brackets



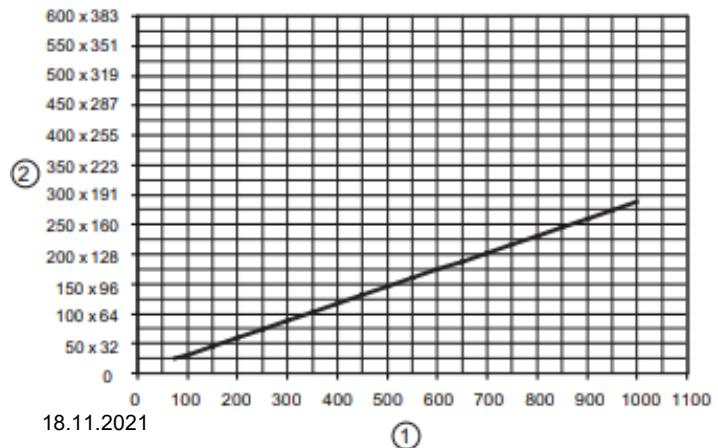
	<b>BT 320M</b> Part no.: 50132151 Mounting bracket
	<b>BTU 320M-D12</b> Part no.: 50132150 Mounting system
	<b>BTU 330M-1</b> Part no.: 50144299 Mounting device

## LSIS 472i M43-Optic

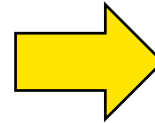


- 1 Distance [mm]
- 2 Field of view: width x height [mm]

## LSIS 472i M45-Optic



- 1 Distance [mm]
- 2 Field of view: width x height [mm]



## IPS 200i/400i Optics

A	IPS 2xxi	IPS 4xxi ..F2	IPS 4xxi ..F4
100 mm	68 x 51	--	--
200 mm	136 x 102	--	--
250 mm	170 x 127	81 x 61	--
300 mm	204 x 153	98 x 73	74 x 57
350 mm	238 x 178	114 x 86	86 x 66
400 mm	272 x 204	131 x 98	99 x 76
450 mm	306 x 229	148 x 111	111 x 85
500 mm	340 x 255	164 x 123	123 x 95
1,300 mm	--	430 x 322	321 x 246
1,400 mm	--	463 x 347	345 x 265
1,500 mm	--	496 x 371	370 x 284
1,600 mm	--	530 x 396	395 x 303
1,700 mm	--	563 x 421	419 x 321
1,800 mm	--	596 x 446	444 x 340
1,900 mm	--	629 x 471	469 x 359
2,400 mm	--	--	592 x 454

A Working distance  
 NOTE The working range (capture range) of the camera results from the field of view minus the marker diameter

	<b>LSIS 472i</b>	<b>IPS 200i</b>	<b>IPS 400i</b>
4x digital outputs	Integrated		
RS 232	Integrated	Not integrated	
Ethernet TCP/IP	Integrated		
ProfiNet	Via MA 248i	Integrated	
EtherNet/IP	Via MA 258i	Integrated	

# Did you know...

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