SICK.COM



DATA SHEET

PSN01-2501

deTem
Safety multibeam sensors

SICK Sensor Intelligence



SAFETY MULTIBEAM SENSORS

PSN01-2501

ORDERING INFORMATION

Type	part no.
PSN01-2501	1101921

Further device versions and accessories at www.sick.com/deTem

DETAILED TECHNICAL DATA

FEATURES

Product version	deTem4 A/P
Application	Normal industrial environment
Functional principle	Active/passive
System part	Passive unit
Type of diversion	Fibre-optic deflection
Scanning range category	Low scanning range
Scanning range	3.2 m
Dimension of the light path	
Typical	0.5 m ... 3.2 m
Number of beams	2
Beam separation	500 mm
Items supplied	Passive unit

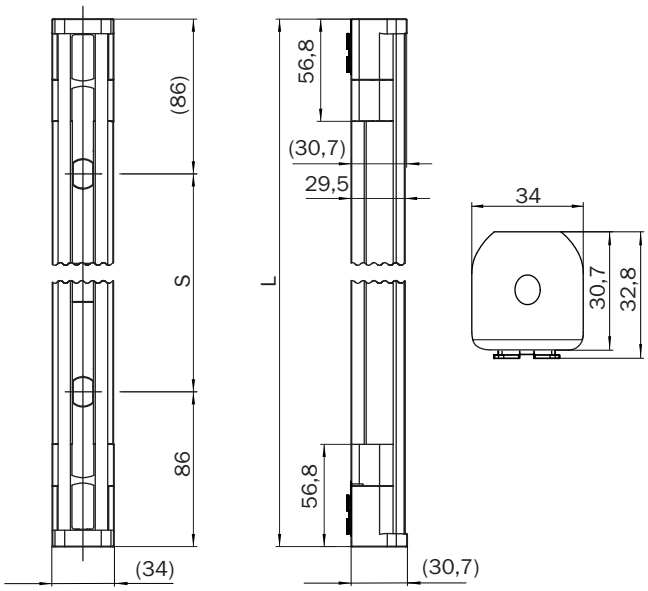
MECHANICS

Dimensions	See dimensional drawing
Housing cross-section	30.7 mm x 34 mm
Material	
Housing	Aluminum extruded profile
Front screen	Polycarbonate, scratch-resistant coating
Weight	+ 520 g (± 50 g)

AMBIENT DATA

Enclosure rating	IP65 (IEC 60529) IP67 (IEC 60529)
Ambient operating temperature	–30 °C ... +55 °C
Storage temperature	–30 °C ... +70 °C
Air humidity	15 % ... 95 %, Non-condensing
Vibration resistance	5 ... 150 Hz, 3,5 mm / 1 g (EN 60068-2-6)
Shock resistance	15 g / 6 ms (EN 60068-2-27)
Class	3M4 (IEC TR 60721-4-3)

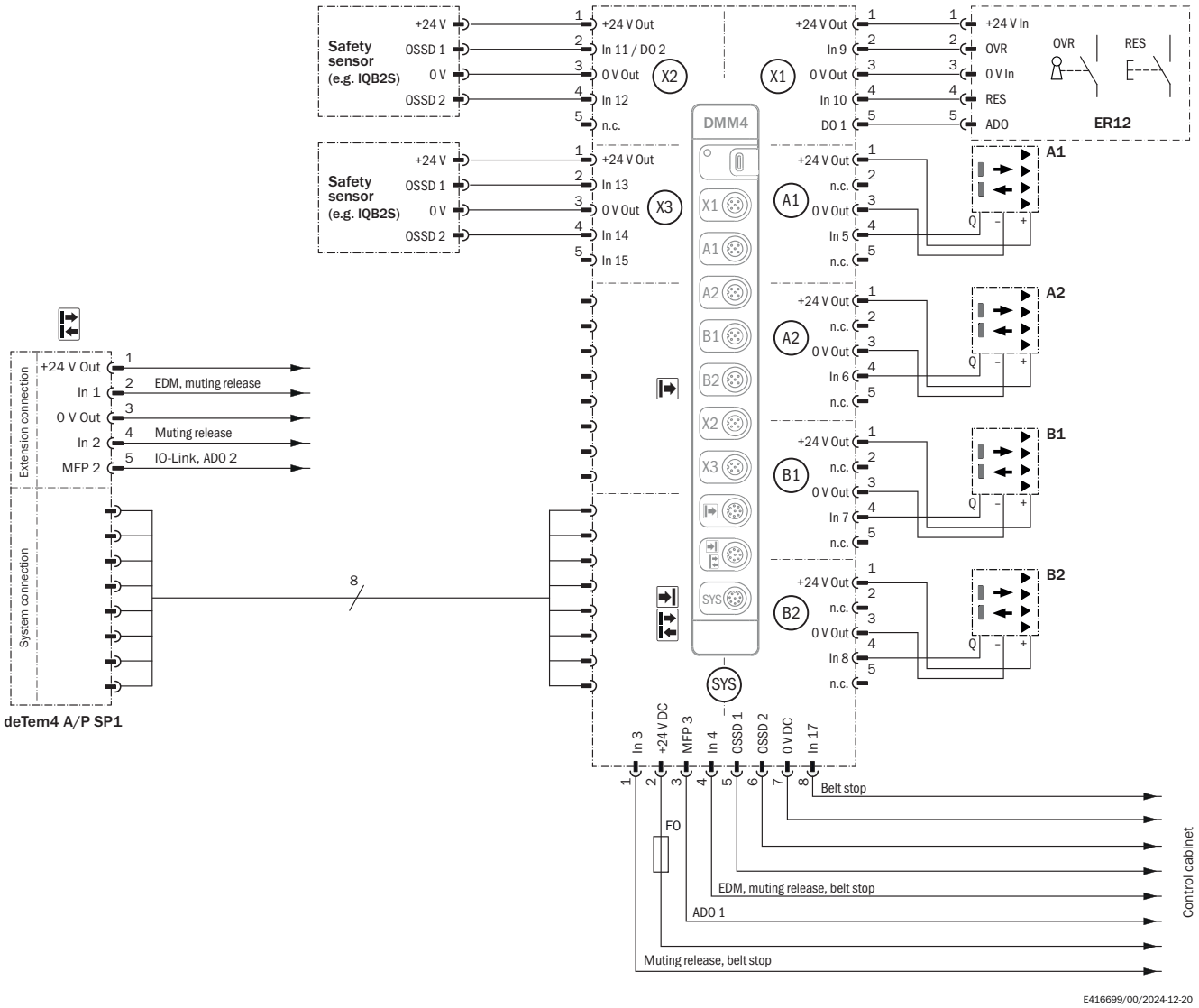
DIMENSIONAL DRAWING PASSIVE UNIT FOR SMALL SENSING RANGE (FIBER DEFLECTION)



Dimensions in mm (inch)

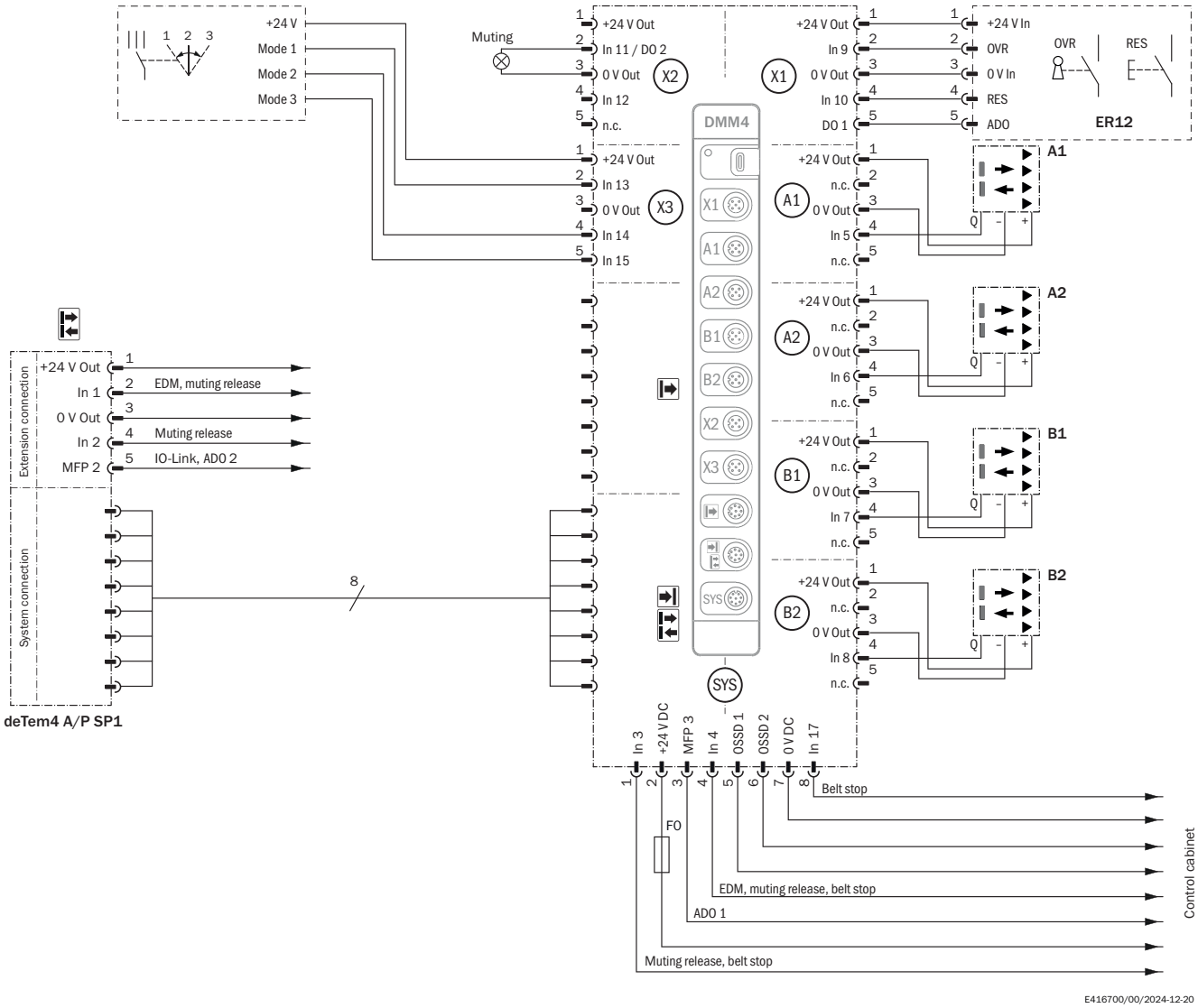
Number of beams	Beam separation S	L
2	500	672
4	300	1.072

CONNECTION DIAGRAM DETEM4 A/P ON DMM4, CONNECTION DIAGRAM, MUTING, RESET, OVERRIDE, SDI



The requirements in the operating instructions of the devices used must be adhered to.

CONNECTION DIAGRAM DETEM4 A/P ON DMM4, CONNECTION EXAMPLE, MUTING, RESET, OVERRIDE, OPERATING MODE SELECTION



The requirements in the operating instructions of the devices used must be adhered to.

Further information as well as suitable accessories, example applications and downloads such as CAD dimensional models, operating instructions and software can be found at www.sick.com/1101921

SICK AG
WALDKIRCH
GERMANY
SICK.COM

SICK AT A GLANCE

SICK is a leading global technology company for intelligent sensors and integrated solutions in industrial automation. Our technologies set benchmarks, making your industrial processes more efficient, safer and more sustainable – both in logistics and manufacturing operations.

SICK combines sensor intelligence with industry expertise and certified consulting services. We provide the ideal foundation for scalable as well as tailor-made automation solutions and create added value along the entire value chain. Our close partnerships with our customers are more than just a promise: Together, we optimize productivity, improve quality, protect health and safety, and help build a sustainable future. All with empathy and trust.

Since 1946, we have been developing innovative technologies with passion and a pioneering spirit. With a global network in around 40 countries, SICK has a global presence and is always close by. The company's headquarters are located in Waldkirch near Freiburg, Germany. Our customers benefit from our understanding of both local and global requirements, which enables us to deliver tailor-made solutions

SICK

Sensor Intelligence