

SENSORS OVERVIEW

Omron Photoelectric Sensors. PNP for Factbird® Duo and Factbird® Omron NX1

Model	Description	Range	IP rating	Link to manufacturer's site
E3AS-HL500LMT	General purpose, distance-settable sensor (without reflector). Also detects transparent objects. Uses a line as opposed to a spot to detect uneven surfaces. Spot version also available. Version with higher accuracy but with only 150mm range are available.	35-500mm	IP67, IP67G, IP69K	E3AS OMRON, Europe
E3ZM-R86	General purpose retro reflective sensor (with reflector E39-R1S). In many applications can be replaced by E3AS-HL500LMT	0-4m	IP67, IP69K	E3ZM OMRON, Europe
E3S-DBP22	Transparent Object Detection Sensor (with reflector E39-R21). Small spot version for detecting small objects or gaps. Versions with longer range available. In many applications can be replaced by E3AS-HL500LMT.	0-500mm	IP67, IP69K	E3S-DB OMRON, Europe

Omron Proximity Sensor. PNP for Factbird Duo, Factbird NX1

Model	Description	Range	IP rating	Link to manufacturer's site
E2E-X16MB1T12-M1	Inductive Proximity Sensor. Ø12mm. IO-Link version	35-500mm	IP67, IP67G, IP69K	E3AS OMRON, Europe
E2E-X30MB1TL18-M1	Inductive Proximity Sensor. Ø18mm. IO-Link version	0-4m	IP67, IP69K	E3ZM OMRON, Europe

Comet Temperature/Humidity Sensor

Model	Description	Range	IP rating	Link to manufacturer's site
T0110	Ambient temperature sensor. ATEX certified version available. 4-20mA analog output	-30 to +80 °C	IP65	Ambient temperature transmitter with 4-20mA output T0110 COMET SYSTEM, s.r.o.
T3110	Ambient humidity sensor. ATEX certified version available. 4-20mA analog output	0 to 100 % RH	IP65 electronic, IP40 sensor	Temperature humidity transmitter, 4-20mA outputs. Weather sensor for environment monitoring. COMET SYSTEM, s.r.o.

Ifm

Model	Description	Range	IP rating	Link to manufacturer's site
VNB001	Vibration Sensor. Measures RMS speed in accordance with ISO 10816. 4-20mA analog output, and PNP output	0-500mm/s	IP67	VNB001 - Vibration sensor - ifm electronic
LDH292	air temperature/humidity sensor IO-Link			
DP2200	Evaluation system and display. 4-20mA to IO-Link			
TP3231	Evaluation unit for PT100/PT1000 temperature sensors. IO-Link			
TS2229	Temperature cable sensor with bolt-on sensor			

Lem

Model	Description	Range	IP rating	Link to manufacturer's site
AT 20 B420L	Split core transducers for measuring AC currents. Other ranges available. 4-20mA analog output	0-20A	IP40	https://www.lem.com/en/20-b420l

Other

Model	Description	Link to manufacturer's site
Omron position sensors	Photoelectric, Fiber optic, Proximity, Displacement...	Sensing OMRON, Europe
ifm position sensors	Photoelectric, Laser, Distance, Fibre optic, Inductive/Capacitive...	Position sensors - ifm electronic
ifm process sensors	Pressure, Vacuum, Flow, Level, Temperature...	Process sensors - ifm electronic
Sick position sensors	Photoelectric, Inclination, Inductive/Capacitive, Distance...	Product portfolio SICK
Sick process sensors	Pressure, Flow, Level, Temperature...	Product portfolio SICK