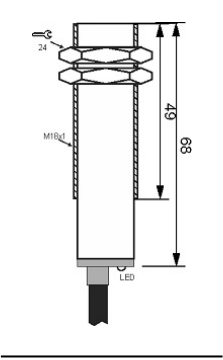
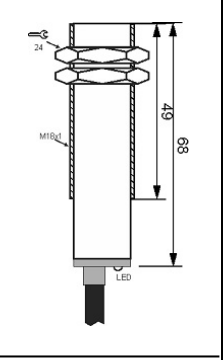
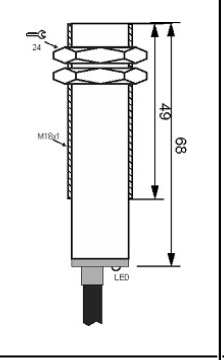
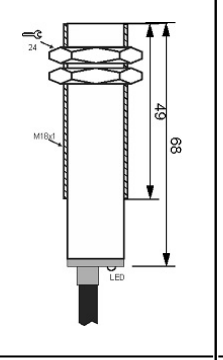
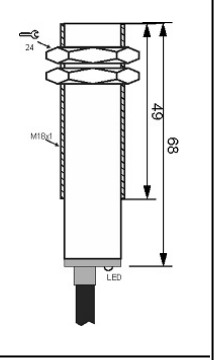
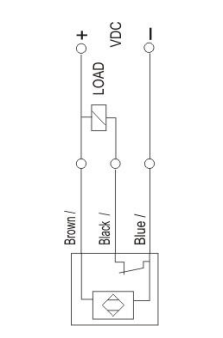
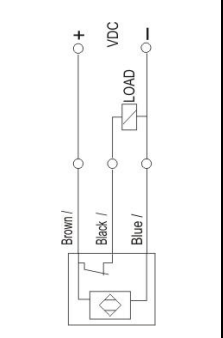
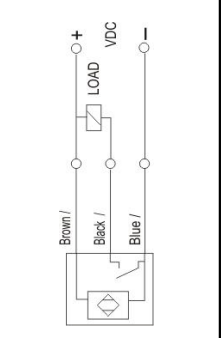
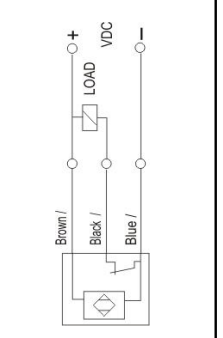
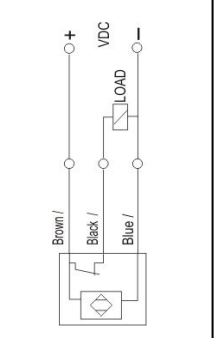
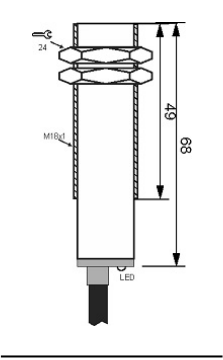
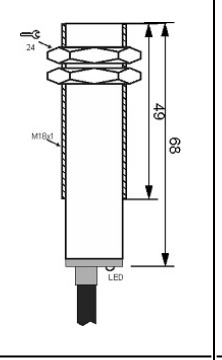
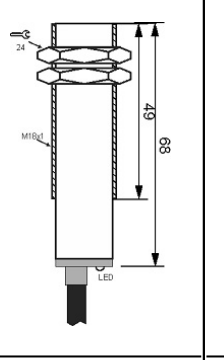
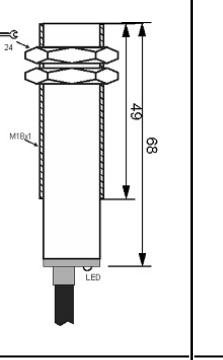
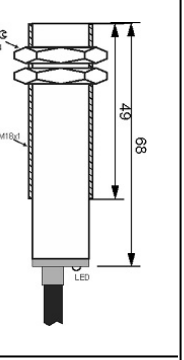
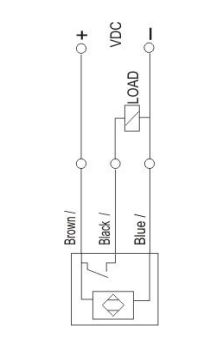
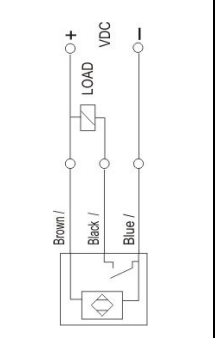
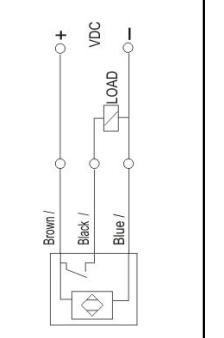
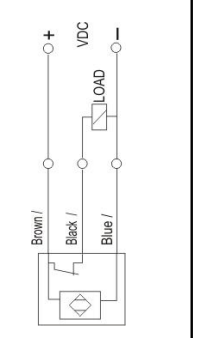
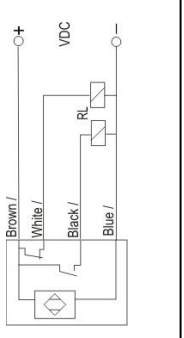


Trough-beam Optoelectronic sensors

housing					
	M18X1 Ni PLATED Brass	M18X1 Ni PLATED Brass	M18X1 Ni PLATED Brass	M18X1 Ni PLATED Brass	M18X1 Ni PLATED Brass
code	OPS-31000-CN-18-TB-RC	OPS-31000-CP-18-TB-RC	OPS-31000-ON-18-TB-RC	OPS-32000-CN-18-TB-RC	OPS-32000-CP-18-TB-RC
number of wires	3	3	3	3	3
output stage	NPN TRANSISTOR	PNP TRANSISTOR	NPN TRANSISTOR	NPN TRANSISTOR	PNP TRANSISTOR
output function	NC	NC	NO	NC	NC
switching distance	1000 cm	1000 cm	1000 cm	2000 cm	2000 cm
voltage range	10-30VDC	10-30VDC	10-30VDC	10-30VDC	10-30VDC
max output current	250 mA	250 mA	250 mA	250 mA	250 mA
temperature range	-20~+60 °C	-20~+60 °C	-20~+60 °C	-20~+60 °C	-20~+60 °C
max output ferequence	100 Hz	100 Hz	100 Hz	100 Hz	100 Hz
indicator led	yes	yes	yes	yes	yes
max drop voltage	2 V	2 V	2 V	2 V	2 V
max currrent consumption	25 mA	25 mA	25 mA	25 mA	25 mA
influence protection	IP 66	IP 66	IP 66	IP 66	IP 66
revers voltage protection	yes	yes	yes	yes	yes
short circuit protection	no	no	no	no	no
output	CABLE3X0.25-1.5m	CABLE3X0.25-1.5m	CABLE3X0.25-1.5m	CABLE3X0.25-1.5m	CABLE3X0.25-1.5m
circuit					

Trough-beam Optoelectronic sensors

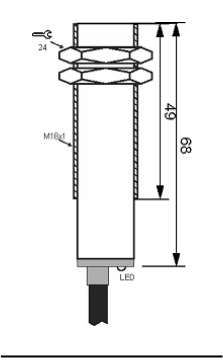
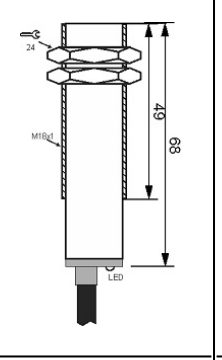
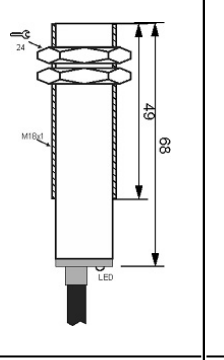
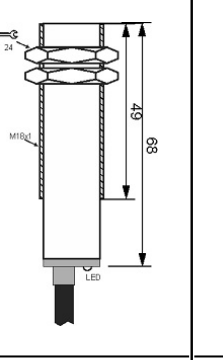
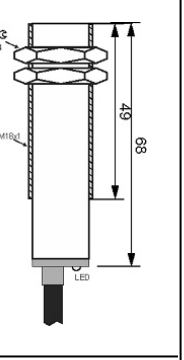
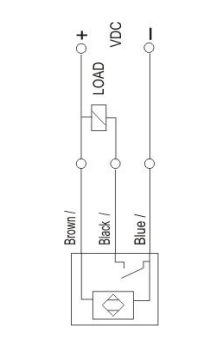
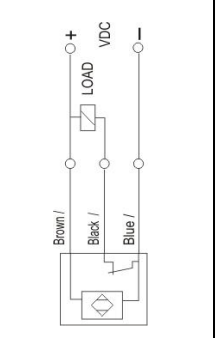
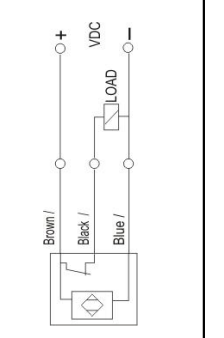
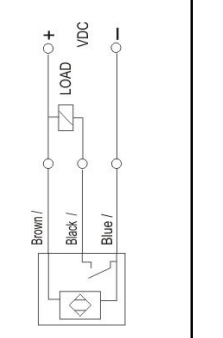
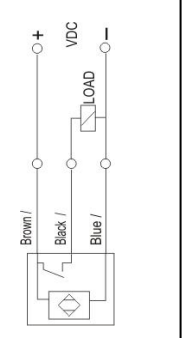
housing					
	M18X1 Ni PLATED Brass	M18X1 Ni PLATED Brass	M18X1 Ni PLATED Brass	M18X1 Ni PLATED Brass	M18X1 Ni PLATED Brass
code	OPS-32000-OP-18-TB-RC	OPS-32000-ON-18-TB-RC	OPS-31000-OP-18-TB-RC	OPS-3600-CP-18-TB-RC	OPS-42000-P-18-TB-RC
number of wires	3	3	3	3	4
output stage	PNP TRANSISTOR	NPN TRANSISTOR	PNP TRANSISTOR	PNP TRANSISTOR	PNP TRANSISTOR
output function	NO	NO	NO	NC	NO+NC
switching distance	2000 cm	2000 cm	1000 cm	600 cm	2000 cm
voltage range	10-30VDC	10-30VDC	10-30VDC	10-30VDC	10-30VDC
max output current	250 mA	250 mA	250 mA	250 mA	250 mA
temperature range	-20~+60 °C	-20~+60 °C	-20~+60 °C	-20~+60 °C	-20~+60 °C
max output ferequence	100 Hz	100 Hz	100 Hz	100 Hz	100 Hz
indicator led	yes	yes	yes	yes	yes
max drop voltage	2 V	2 V	2 V	2 V	2 V
max currrent consumption	25 mA	25 mA	25 mA	25 mA	25 mA
influence protection	IP 66	IP 66	IP 66	IP 66	IP 66
revers voltage protection	yes	yes	yes	yes	yes
short circuit protection	no	no	no	no	no
output	CABLE3X0.25-1.5m	CABLE3X0.25-1.5m	CABLE3X0.25-1.5m	CABLE3X0.25-1.5m	CABLE3X0.25-1.5m
circuit					

Trough-beam Optoelectronic sensors

housing					
	M18X1 Ni PLATED Brass	M18X1 Ni PLATED Brass	M18X1 Ni PLATED Brass	M18X1 Ni PLATED Brass	M18X1 Ni PLATED Brass
code	OPS-42000-N-18-TB-RC	OPS-2300-18-TB-EM	OPS-2600-18-TB-EM	OPS-21000-18-TB-EM	OPS-22000-18-TB-EM
number of wires	4	2	2	2	2
output stage	NPN TRANSISTOR				
output function	NO+NC				
switching distance	2000 cm	300 cm	600 cm	1000 cm	2000 cm
voltage range	10-30VDC	10-30VDC	10-30VDC	10-30VDC	10-30VDC
max output current	250 mA				
temperature range	-20~+60 °C	-20~+60 °C	-20~+60 °C	-20~+60 °C	-20~+60 °C
max output frequency	100 Hz	20KHz			
indicator led	yes	yes	yes	yes	yes
max drop voltage	2 V				
max current consumption	25 mA	25 mA	25 mA	25 mA	25 mA
influence protection	IP 66	IP 66	IP 66	IP 66	IP 66
revers voltage protection	yes	yes	yes	yes	yes
short circuit protection	no				
output	CABLE3X0.25-1.5m	CABLE3X0.25-1.5m	CABLE2X0.25-1.5m	CABLE2X0.25-1.5m	CABLE2X0.25-1.5m
circuit					

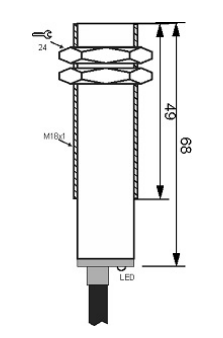
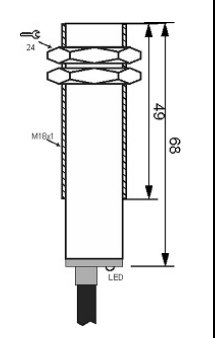
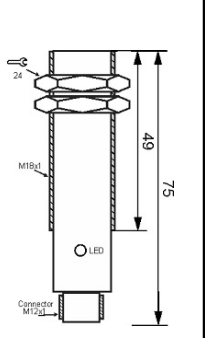
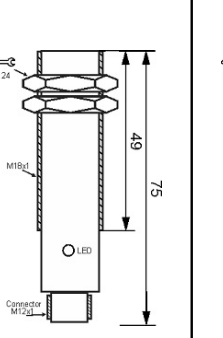
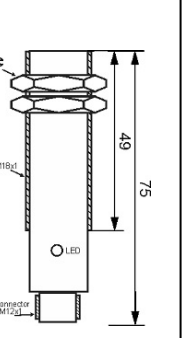
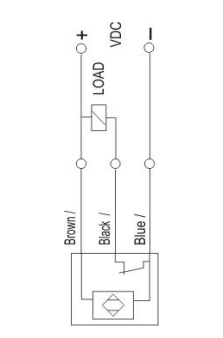
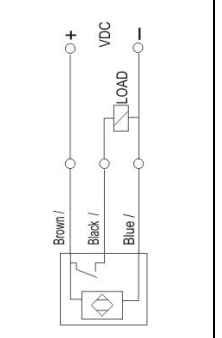
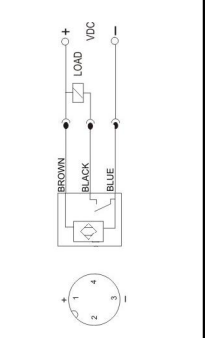
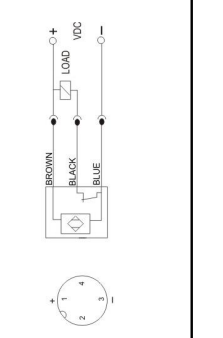
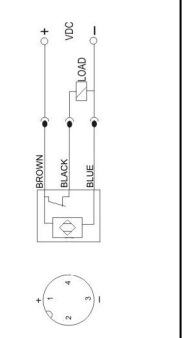
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Trough-beam Optoelectronic sensors

housing					
	M18X1 Ni PLATED Brass	M18X1 Ni PLATED Brass	M18X1 Ni PLATED Brass	M18X1 Ni PLATED Brass	M18X1 Ni PLATED Brass
code	OPS-3600-ON-18-TB-RC	OPS-3300-CN-18-TB-RC	OPS-3300-CP-18-TB-RC	OPS-3300-ON-18-TB-RC	OPS-3300-OP-18-TB-RC
number of wires	3	3	3	3	3
output stage	NPN TRANSISTOR	NPN TRANSISTOR	PNP TRANSISTOR	NPN TRANSISTOR	PNP TRANSISTOR
output function	NO	NC	NC	NO	NO
switching distance	600 cm	300 cm	300 cm	300 cm	300 cm
voltage range	10-30VDC	10-30VDC	10-30VDC	10-30VDC	10-30VDC
max output current	250 mA	250 mA	250 mA	250 mA	250 mA
temperature range	-20~+60 °C	-20~+60 °C	-20~+60 °C	-20~+60 °C	-20~+60 °C
max output frequency	100 Hz	100 Hz	100 Hz	100 Hz	100 Hz
indicator led	yes	yes	yes	yes	yes
max drop voltage	2 V	2 V	2 V	2 V	2 V
max current consumption	25 mA	25 mA	25 mA	25 mA	25 mA
influence protection	IP 66	IP 66	IP 66	IP 66	IP 66
revers voltage protection	yes	yes	yes	yes	yes
short circuit protection	no	no	no	no	no
output	CABLE3X0.25-1.5m	CABLE3X0.25-1.5m	CABLE3X0.25-1.5m	CABLE3X0.25-1.5m	CABLE3X0.25-1.5m
circuit					

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Trough-beam Optoelectronic sensors

housing					
	M18X1 Ni PLATED Brass	M18X1 Ni PLATED Brass	M18X1 Ni PLATED Brass	M18X1 Ni PLATED Brass	M18X1 Ni PLATED Brass
code	OPS-3600-CN-18-TB-RC	OPS-3600-OP-18-TB-RC	OPS-3600-ON-18-TB-RC-S4	OPS-3300-CN-18-TB-RC-S4	OPS-3300-CP-18-TB-RC-S4
number of wires	3	3	3	3	3
output stage	NPN TRANSISTOR	PNP TRANSISTOR	NPN TRANSISTOR	NPN TRANSISTOR	PNP TRANSISTOR
output function	NC	NO	NO	NC	NC
switching distance	600 cm	600 cm	600 cm	300 cm	300 cm
voltage range	10-30VDC	10-30VDC	10-30VDC	10-30VDC	10-30VDC
max output current	250 mA	250 mA	250 mA	250 mA	250 mA
temperature range	-20~+60 °C	-20~+60 °C	-20~+60 °C	-20~+60 °C	-20~+60 °C
max output frequency	100 Hz	100 Hz	100 Hz	100 Hz	100 Hz
indicator led	yes	yes	yes	yes	yes
max drop voltage	2 V	2 V	2 V	2 V	2 V
max current consumption	25 mA	25 mA	25 mA	25 mA	25 mA
influence protection	IP 66	IP 66	IP 66	IP 66	IP 66
revers voltage protection	yes	yes	yes	yes	yes
short circuit protection	no	no	no	no	no
output	CABLE3X0.25-1.5m	CABLE3X0.25-1.5m	4Pin SOCKET	4Pin SOCKET	4Pin SOCKET
circuit					

Trough-beam Optoelectronic sensors

housing					
	M18X1 Ni PLATED Brass	M18X1 Ni PLATED Brass	M18X1 Ni PLATED Brass	M18X1 Ni PLATED Brass	M18X1 Ni PLATED Brass
code	OPS-3300-ON-18-TB-RC-S4	OPS-3300-OP-18-TB-RC-S4	OPS-3600-CN-18-TB-RC-S4	OPS-3600-OP-18-TB-RC-S4	OPS-31000-CN-18-TB-RC-S4
number of wires	3	3	3	3	3
output stage	NPN TRANSISTOR	PNP TRANSISTOR	NPN TRANSISTOR	PNP TRANSISTOR	NPN TRANSISTOR
output function	NO	NO	NC	NO	NC
switching distance	300 cm	300 cm	600 cm	600 cm	1000 cm
voltage range	10-30VDC	10-30VDC	10-30VDC	10-30VDC	10-30VDC
max output current	250 mA	250 mA	250 mA	250 mA	250 mA
temperature range	-20~+60 °C	-20~+60 °C	-20~+60 °C	-20~+60 °C	-20~+60 °C
max output frequency	100 Hz	100 Hz	100 Hz	100 Hz	100 Hz
indicator led	yes	yes	yes	yes	yes
max drop voltage	2 V	2 V	2 V	2 V	2 V
max current consumption	25 mA	25 mA	25 mA	25 mA	25 mA
influence protection	IP 66	IP 66	IP 66	IP 66	IP 66
reverse voltage protection	yes	yes	yes	yes	yes
short circuit protection	no	no	no	no	no
output	4Pin SOCKET	4Pin SOCKET	4Pin SOCKET	4Pin SOCKET	4Pin SOCKET
circuit					

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Trough-beam Optoelectronic sensors

housing					
	M18X1 Ni PLATED Brass	M18X1 Ni PLATED Brass	M18X1 Ni PLATED Brass	M18X1 Ni PLATED Brass	M18X1 Ni PLATED Brass
code	OPS-31000-CP-18-TB-RC-S4	OPS-31000-ON-18-TB-RC-S4	OPS-32000-CN-18-TB-RC-S4	OPS-32000-CP-18-TB-RC-S4	OPS-32000-OP-18-TB-RC-S4
number of wires	3	3	3	3	3
output stage	PNP TRANSISTOR	NPN TRANSISTOR	NPN TRANSISTOR	PNP TRANSISTOR	PNP TRANSISTOR
output function	NC	NO	NC	NC	NO
switching distance	1000 cm	1000 cm	2000 cm	2000 cm	2000 cm
voltage range	10-30VDC	10-30VDC	10-30VDC	10-30VDC	10-30VDC
max output current	250 mA	250 mA	250 mA	250 mA	250 mA
temperature range	-20~+60 °C	-20~+60 °C	-20~+60 °C	-20~+60 °C	-20~+60 °C
max output frequency	100 Hz	100 Hz	100 Hz	100 Hz	100 Hz
indicator led	yes	yes	yes	yes	yes
max drop voltage	2 V	2 V	2 V	2 V	2 V
max current consumption	25 mA	25 mA	25 mA	25 mA	25 mA
influence protection	IP 66	IP 66	IP 66	IP 66	IP 66
reverse voltage protection	yes	yes	yes	yes	yes
short circuit protection	no	no	no	no	no
output	4Pin SOCKET	4Pin SOCKET	4Pin SOCKET	4Pin SOCKET	4Pin SOCKET
circuit					

Trough-beam Optoelectronic sensors

housing					
	M18X1 Ni PLATED Brass	M18X1 Ni PLATED Brass	M18X1 Ni PLATED Brass	M18X1 Ni PLATED Brass	M18X1 Ni PLATED Brass
code	OPS-32000-ON-18-TB-RC-S4	OPS-31000-OP-18-TB-RC-S4	OPS-3600-CP-18-TB-RC-S4	OPS-4300-N-18-TB-RC-S4	OPS-4600-P-18-TB-RC-S4
number of wires	3	3	3	4	4
output stage	NPN TRANSISTOR	PNP TRANSISTOR	PNP TRANSISTOR	NPN TRANSISTOR	PNP TRANSISTOR
output function	NO	NO	NC	NO+NC	NO+NC
switching distance	2000 cm	1000 cm	600 cm	300 cm	600 cm
voltage range	10-30VDC	10-30VDC	10-30VDC	10-30VDC	10-30VDC
max output current	250 mA	250 mA	250 mA	250 mA	250 mA
temperature range	-20~+60 °C	-20~+60 °C	-20~+60 °C	-20~+60 °C	-20~+60 °C
max output ferequence	100 Hz	100 Hz	100 Hz	100 Hz	100 Hz
indicator led	yes	yes	yes	yes	yes
max drop voltage	2 V	2 V	2 V	2 V	2 V
max currtent consumption	25 mA	25 mA	25 mA	25 mA	25 mA
influnce protection	IP 66	IP 66	IP 66	IP 66	IP 66
revers voltage protection	yes	yes	yes	yes	yes
short circuit protection	no	no	no	no	no
output	4Pin SOCKET	4Pin SOCKET	4Pin SOCKET	4Pin SOCKET	4Pin SOCKET
circuit					

Trough-beam Optoelectronic sensors

housing					
	M18X1 Ni PLATED Brass	M18X1 Ni PLATED Brass	M18X1 Ni PLATED Brass	M18X1 Ni PLATED Brass	M18X1 Ni PLATED Brass
code	OPS-4600-N-18-TB-RC-S4	OPS-41000-P-18-TB-RC-S4	OPS-41000-N-18-TB-RC-S4	OPS-2300-18-TB-EM-S4	OPS-2600-18-TB-EM-S4
number of wires	4	4	4	2	2
output stage	NPN TRANSISTOR	PNP TRANSISTOR	NPN TRANSISTOR		
output function	NO+NC	NO+NC	NO+NC		
switching distance	600 cm	1000 cm	1000 cm	300 cm	600 cm
voltage range	10-30VDC	10-30VDC	10-30VDC	10-30VDC	10-30VDC
max output current	250 mA	250 mA	250 mA		
temperature range	-20~+60 °C	-20~+60 °C	-20~+60 °C	-20~+60 °C	-20~+60 °C
max output frequency	100 Hz	100 Hz	100 Hz		
indicator led	yes	yes	yes	yes	yes
max drop voltage	2 V	2 V	2 V		
max current consumption	25 mA	25 mA	25 mA	25 mA	25 mA
influence protection	IP 66	IP 66	IP 66	IP 66	IP 66
reverse voltage protection	yes	yes	yes	yes	yes
short circuit protection	no	no	no		
output	4Pin SOCKET	4Pin SOCKET	4Pin SOCKET	4Pin SOCKET	4Pin SOCKET
circuit					

Trough-beam Optoelectronic sensors

housing					
	M18X1 Ni PLATED Brass	M18X1 Ni PLATED Brass	M18X1 PBT	M18X1 PBT	M18X1 PBT
code	OPS-21000-18-TB-EM-S4	OPS-22000-18-TB-EM-S4	OPS-42000-P-P18-TB-RC	OPS-42000-N-P18-TB-RC	OPS-2600-P18-TB-EM
number of wires	2	2	4	4	2
output stage			PNP TRANSISTOR	NPN TRANSISTOR	
output function			NO+NC	NO+NC	
switching distance	1000 cm	2000 cm	2000 cm	2000 cm	600 cm
voltage range	10-30VDC	10-30VDC	10-30VDC	10-30VDC	10-30VDC
max output current			250 mA	250 mA	
temperature range	-20~+60 °C	-20~+60 °C	-20~+60 °C	-20~+60 °C	-20~+60 °C
max output frequency			100 Hz	100 Hz	
indicator led	yes	yes	yes	yes	yes
max drop voltage			2 V	2 V	
max current consumption	25 mA	25 mA	25 mA	25 mA	25 mA
influence protection	IP 66	IP 66	IP 66	IP 66	IP 66
revers voltage protection	yes	yes	yes	yes	yes
short circuit protection			no	no	
output	4Pin SOCKET	4Pin SOCKET	CABLE3X0.25-1.5m	CABLE3X0.25-1.5m	CABLE2X0.25-1.5m
circuit					

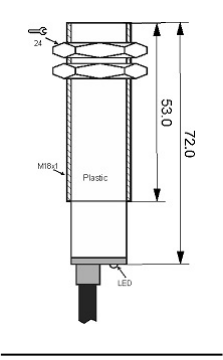
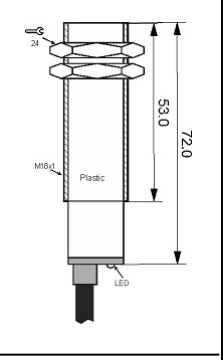
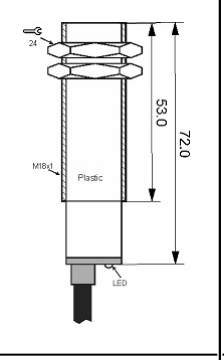
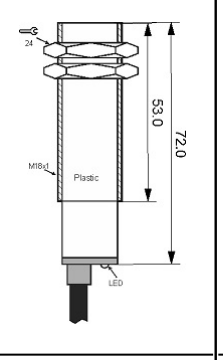
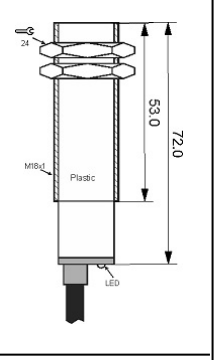
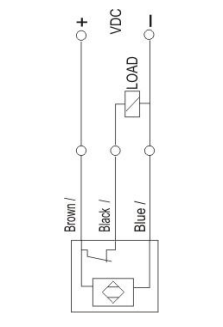
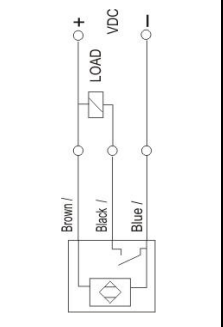
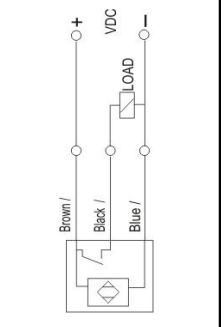
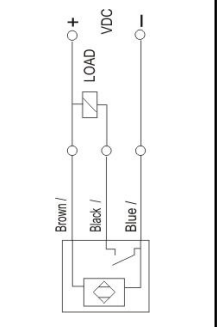
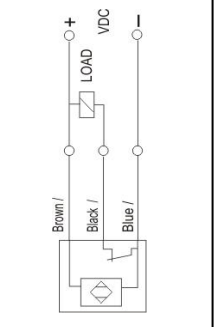
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Trough-beam Optoelectronic sensors

housing					
	M18X1 PBT	M18X1 PBT	M18X1 PBT	M18X1 PBT	M18X1 PBT
code	OPS-2300-P18-TB-EM	OPS-21000-P18-TB-EM	OPS-22000-P18-TB-EM	OPS-31000-ON-P18-TB-RC	OPS-3300-CN-P18-TB-RC
number of wires	2	2	2	3	3
output stage				NPN TRANSISTOR	NPN TRANSISTOR
output function				NO	NC
switching distance	300 cm	1000 cm	2000 cm	1000 cm	300 cm
voltage range	10-30VDC	10-30VDC	10-30VDC	10-30VDC	10-30VDC
max output current				250 mA	250 mA
temperature range	-20~+60 °C	-20~+60 °C	-20~+60 °C	-20~+60 °C	-20~+60 °C
max output frequency				100 Hz	100 Hz
indicator led	yes	yes	yes	yes	yes
max drop voltage				2 V	2 V
max current consumption	25 mA	25 mA	25 mA	25 mA	25 mA
influence protection	IP 66	IP 66	IP 66	IP 66	IP 66
revers voltage protection	yes	yes	yes	yes	yes
short circuit protection				no	no
output	CABLE2X0.25-1.5m	CABLE2X0.25-1.5m	CABLE2X0.25-1.5m	CABLE3X0.25-1.5m	CABLE3X0.25-1.5m
circuit					

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Trough-beam Optoelectronic sensors

housing					
	M18X1 PBT	M18X1 PBT	M18X1 PBT	M18X1 PBT	M18X1 PBT
code	OPS-3300-CP-P18-TB-RC	OPS-3300-ON-P18-TB-RC	OPS-3300-OP-P18-TB-RC	OPS-3600-ON-P18-TB-RC	OPS-3600-CN-P18-TB-RC
number of wires	3	3	3	3	3
output stage	PNP TRANSISTOR	NPN TRANSISTOR	PNP TRANSISTOR	NPN TRANSISTOR	NPN TRANSISTOR
output function	NC	NO	NO	NO	NC
switching distance	300 cm	300 cm	300 cm	600 cm	600 cm
voltage range	10-30VDC	10-30VDC	10-30VDC	10-30VDC	10-30VDC
max output current	250 mA	250 mA	250 mA	250 mA	250 mA
temperature range	-20~+60 °C	-20~+60 °C	-20~+60 °C	-20~+60 °C	-20~+60 °C
max output frequency	100 Hz	100 Hz	100 Hz	100 Hz	100 Hz
indicator led	yes	yes	yes	yes	yes
max drop voltage	2 V	2 V	2 V	2 V	2 V
max current consumption	25 mA	25 mA	25 mA	25 mA	25 mA
influence protection	IP 66	IP 66	IP 66	IP 66	IP 66
reverse voltage protection	yes	yes	yes	yes	yes
short circuit protection	no	no	no	no	no
output	CABLE3X0.25-1.5m	CABLE3X0.25-1.5m	CABLE3X0.25-1.5m	CABLE3X0.25-1.5m	CABLE3X0.25-1.5m
circuit					

Trough-beam Optoelectronic sensors

housing					
	M18X1 PBT	M18X1 PBT	M18X1 PBT	M18X1 PBT	M18X1 PBT
code	OPS-3600-OP-P18-TB-RC	OPS-32000-OP-P18-TB-RC	OPS-31000-CN-P18-TB-RC	OPS-31000-CP-P18-TB-RC	OPS-31000-OP-P18-TB-RC
number of wires	3	3	3	3	3
output stage	PNP TRANSISTOR	PNP TRANSISTOR	NPN TRANSISTOR	PNP TRANSISTOR	PNP TRANSISTOR
output function	NO	NO	NC	NC	NO
switching distance	600 cm	2000 cm	1000 cm	1000 cm	1000 cm
voltage range	10-30VDC	10-30VDC	10-30VDC	10-30VDC	10-30VDC
max output current	250 mA	250 mA	250 mA	250 mA	250 mA
temperature range	-20~+60 °C	-20~+60 °C	-20~+60 °C	-20~+60 °C	-20~+60 °C
max output ferequence	100 Hz	100 Hz	100 Hz	100 Hz	100 Hz
indicator led	yes	yes	yes	yes	yes
max drop voltage	2 V	2 V	2 V	2 V	2 V
max current consumption	25 mA	25 mA	25 mA	25 mA	25 mA
influence protection	IP 66	IP 66	IP 66	IP 66	IP 66
revers voltage protection	yes	yes	yes	yes	yes
short circuit protection	no	no	no	no	no
output	CABLE3X0.25-1.5m	CABLE3X0.25-1.5m	CABLE3X0.25-1.5m	CABLE3X0.25-1.5m	CABLE3X0.25-1.5m
circuit					

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Trough-beam Optoelectronic sensors

housing					
	M18X1 PBT	M18X1 PBT	M18X1 PBT	M18X1 PBT	M18X1 PBT
code	OPS-32000-ON-P18-TB-RC	OPS-32000-CN-P18-TB-RC	OPS-32000-CP-P18-TB-RC	OPS-3600-CP-P18-TB-RC	OPS-3300-CN-P18-TB-RC-S4
number of wires	3	3	3	3	3
output stage	NPN TRANSISTOR	NPN TRANSISTOR	PNP TRANSISTOR	PNP TRANSISTOR	NPN TRANSISTOR
output function	NO	NC	NC	NC	NC
switching distance	2000 cm	2000 cm	2000 cm	600 cm	300 cm
voltage range	10-30VDC	10-30VDC	10-30VDC	10-30VDC	10-30VDC
max output current	250 mA	250 mA	250 mA	250 mA	250 mA
temperature range	-20~+60 °C	-20~+60 °C	-20~+60 °C	-20~+60 °C	-20~+60 °C
max output frequency	100 Hz	100 Hz	100 Hz	100 Hz	100 Hz
indicator led	yes	yes	yes	yes	yes
max drop voltage	2 V	2 V	2 V	2 V	2 V
max current consumption	25 mA	25 mA	25 mA	25 mA	25 mA
influence protection	IP 66	IP 66	IP 66	IP 66	IP 66
revers voltage protection	yes	yes	yes	yes	yes
short circuit protection	no	no	no	no	no
output	CABLE3X0.25-1.5m	CABLE3X0.25-1.5m	CABLE3X0.25-1.5m	CABLE3X0.25-1.5m	4Pin SOCKET
circuit					

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Trough-beam Optoelectronic sensors

housing					
	M18X1 PBT	M18X1 PBT	M18X1 PBT	M18X1 PBT	M18X1 PBT
code	OPS-3300-CP-P18-TB-RC-S4	OPS-3300-ON-P18-TB-RC-S4	OPS-3300-OP-P18-TB-RC-S4	OPS-3600-ON-P18-TB-RC-S4	OPS-3600-CN-P18-TB-RC-S4
number of wires	3	3	3	3	3
output stage	PNP TRANSISTOR	NPN TRANSISTOR	PNP TRANSISTOR	NPN TRANSISTOR	NPN TRANSISTOR
output function	NC	NO	NO	NO	NC
switching distance	300 cm	300 cm	300 cm	600 cm	600 cm
voltage range	10-30VDC	10-30VDC	10-30VDC	10-30VDC	10-30VDC
max output current	250 mA	250 mA	250 mA	250 mA	250 mA
temperature range	-20~+60 °C	-20~+60 °C	-20~+60 °C	-20~+60 °C	-20~+60 °C
max output ferequence	100 Hz	100 Hz	100 Hz	100 Hz	100 Hz
indicator led	yes	yes	yes	yes	yes
max drop voltage	2 V	2 V	2 V	2 V	2 V
max currrent consumption	25 mA	25 mA	25 mA	25 mA	25 mA
influence protection	IP 66	IP 66	IP 66	IP 66	IP 66
revers voltage protection	yes	yes	yes	yes	yes
short circuit protection	no	no	no	no	no
output	4Pin SOCKET	4Pin SOCKET	4Pin SOCKET	4Pin SOCKET	4Pin SOCKET
circuit					

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Trough-beam Optoelectronic sensors

housing					
	M18X1 PBT	M18X1 PBT	M18X1 PBT	M18X1 PBT	M18X1 PBT
code	OPS-3600-CP-P18-TB-RC-S4	OPS-3600-OP-P18-TB-RC-S4	OPS-31000-ON-P18-TB-RC-S4	OPS-31000-CN-P18-TB-RC-S4	OPS-31000-CP-P18-TB-RC-S4
number of wires	3	3	3	3	3
output stage	PNP TRANSISTOR	PNP TRANSISTOR	NPN TRANSISTOR	NPN TRANSISTOR	PNP TRANSISTOR
output function	NC	NO	NO	NC	NC
switching distance	600 cm	600 cm	1000 cm	1000 cm	1000 cm
voltage range	10-30VDC	10-30VDC	10-30VDC	10-30VDC	10-30VDC
max output current	250 mA	250 mA	250 mA	250 mA	250 mA
temperature range	-20~+60 °C	-20~+60 °C	-20~+60 °C	-20~+60 °C	-20~+60 °C
max output frequency	100 Hz	100 Hz	100 Hz	100 Hz	100 Hz
indicator led	yes	yes	yes	yes	yes
max drop voltage	2 V	2 V	2 V	2 V	2 V
max current consumption	25 mA	25 mA	25 mA	25 mA	25 mA
influence protection	IP 66	IP 66	IP 66	IP 66	IP 66
revers voltage protection	yes	yes	yes	yes	yes
short circuit protection	no	no	no	no	no
output	4Pin SOCKET	4Pin SOCKET	4Pin SOCKET	4Pin SOCKET	4Pin SOCKET
circuit					

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Trough-beam Optoelectronic sensors

housing					
	M18X1 PBT	M18X1 PBT	M18X1 PBT	M18X1 PBT	M18X1 PBT
code	OPS-31000-OP-P18-TB-RC-S4	OPS-32000-ON-P18-TB-RC-S4	OPS-32000-CN-P18-TB-RC-S4	OPS-32000-CP-P18-TB-RC-S4	OPS-32000-OP-P18-TB-RC-S4
number of wires	3	3	3	3	3
output stage	PNP TRANSISTOR	NPN TRANSISTOR	NPN TRANSISTOR	PNP TRANSISTOR	PNP TRANSISTOR
output function	NO	NO	NC	NC	NO
switching distance	1000 cm	2000 cm	2000 cm	2000 cm	2000 cm
voltage range	10-30VDC	10-30VDC	10-30VDC	10-30VDC	10-30VDC
max output current	250 mA	250 mA	250 mA	250 mA	250 mA
temperature range	-20~+60 °C	-20~+60 °C	-20~+60 °C	-20~+60 °C	-20~+60 °C
max output frequency	100 Hz	100 Hz	100 Hz	100 Hz	100 Hz
indicator led	yes	yes	yes	yes	yes
max drop voltage	2 V	2 V	2 V	2 V	2 V
max current consumption	25 mA	25 mA	25 mA	25 mA	25 mA
influence protection	IP 66	IP 66	IP 66	IP 66	IP 66
revers voltage protection	yes	yes	yes	yes	yes
short circuit protection	no	no	no	no	no
output	4Pin SOCKET	4Pin SOCKET	4Pin SOCKET	4Pin SOCKET	4Pin SOCKET
circuit					

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Trough-beam Optoelectronic sensors

housing					
	M18X1 Ni PLATED Brass	M18X1 Ni PLATED Brass	M18X1 PBT	M18X1 PBT	M18X1 Ni PLATED Brass
code	OPS-42000-P-18-TB-RC-S4	OPS-42000-N-18-TB-RC-S4	OPS-42000-P-P18-TB-RC-S4	OPS-42000-N-P18-TB-RC-S4	OPS-4300-P-18-TB-RC-S4
number of wires	4	4	4	4	4
output stage	PNP TRANSISTOR	NPN TRANSISTOR	PNP TRANSISTOR	NPN TRANSISTOR	PNP TRANSISTOR
output function	NO+NC	NO+NC	NO+NC	NO+NC	NO+NC
switching distance	2000 cm	2000 cm	2000 cm	2000 cm	300 cm
voltage range	10-30VDC	10-30VDC	10-30VDC	10-30VDC	10-30VDC
max output current	250 mA	250 mA	250 mA	250 mA	250 mA
temperature range	-20~+60 °C	-20~+60 °C	-20~+60 °C	-20~+60 °C	-20~+60 °C
max output ferequence	100 Hz	100 Hz	100 Hz	100 Hz	100 Hz
indicator led	yes	yes	yes	yes	yes
max drop voltage	2 V	2 V	2 V	2 V	2 V
max current consumption	25 mA	25 mA	25 mA	25 mA	25 mA
influence protection	IP 66	IP 66	IP 66	IP 66	IP 66
revers voltage protection	yes	yes	yes	yes	yes
short circuit protection	no	no	no	no	no
output	4Pin SOCKET	4Pin SOCKET	4Pin SOCKET	4Pin SOCKET	4Pin SOCKET
circuit					

Trough-beam Optoelectronic sensors

housing					
	M18X1 PBT	M18X1 PBT	M18X1 PBT	M18X1 PBT	M18X1 PBT
code	OPS-4300-P-P18-TB-RC-S4	OPS-4300-N-P18-TB-RC	OPS-4600-P-P18-TB-RC	OPS-4600-N-P18-TB-RC	OPS-41000-P-P18-TB-RC
number of wires	4	4	4	4	4
output stage	PNP TRANSISTOR	NPN TRANSISTOR	PNP TRANSISTOR	NPN TRANSISTOR	PNP TRANSISTOR
output function	NO+NC	NO+NC	NO+NC	NO+NC	NO+NC
switching distance	300 cm	300 cm	600 cm	600 cm	1000 cm
voltage range	10-30VDC	10-30VDC	10-30VDC	10-30VDC	10-30VDC
max output current	250 mA	250 mA	250 mA	250 mA	250 mA
temperature range	-20~+60 °C	-20~+60 °C	-20~+60 °C	-20~+60 °C	-20~+60 °C
max output ferequence	100 Hz	100 Hz	100 Hz	100 Hz	100 Hz
indicator led	yes	yes	yes	yes	yes
max drop voltage	2 V	2 V	2 V	2 V	2 V
max currrent consumption	25 mA	25 mA	25 mA	25 mA	25 mA
influence protection	IP 66	IP 66	IP 66	IP 66	IP 66
revers voltage protection	yes	yes	yes	yes	yes
short circuit protection	no	no	no	no	no
output	4Pin SOCKET	4Pin SOCKET	4Pin SOCKET	4Pin SOCKET	4Pin SOCKET
circuit					

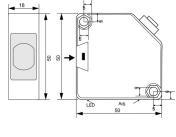
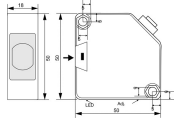
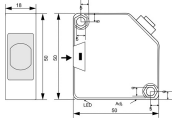
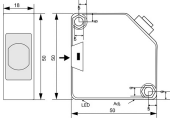
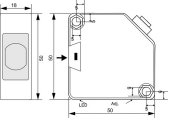
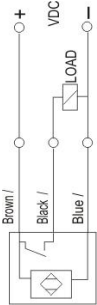
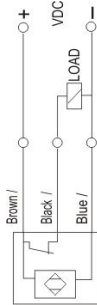
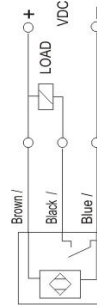
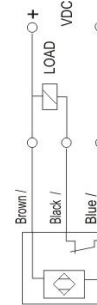
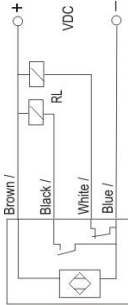
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Trough-beam Optoelectronic sensors

housing					
	M18X1 PBT	M18X1 PBT	M18X1 PBT	M18X1 PBT	M18X1 PBT
code	OPS-41000-N-P18-TB-RC	OPS-2300-P18-TB-EM-S4	OPS-2600-P18-TB-EM-S4	OPS-21000-P18-TB-EM-S4	OPS-22000-P18-TB-EM-S4
number of wires	4	2	2	2	2
output stage	NPN TRANSISTOR				
output function	NO+NC				
switching distance	1000 cm	300 cm	600 cm	1000 cm	2000 cm
voltage range	10-30VDC	10-30VDC	10-30VDC	10-30VDC	10-30VDC
max output current	250 mA				
temperature range	-20~+60 °C	-20~+60 °C	-20~+60 °C	-20~+60 °C	-20~+60 °C
max output frequency	100 Hz				
indicator led	yes	yes	yes	yes	yes
max drop voltage	2 V				
max current consumption	25 mA	25 mA	25 mA	25 mA	25 mA
influence protection	IP 66	IP 66	IP 66	IP 66	IP 66
revers voltage protection	yes	yes	yes	yes	yes
short circuit protection	no				
output	4Pin SOCKET	4Pin SOCKET	4Pin SOCKET	4Pin SOCKET	4Pin SOCKET
circuit					

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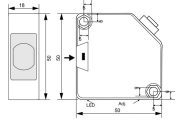
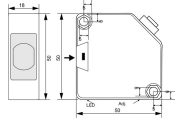
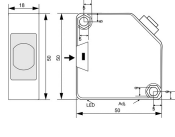
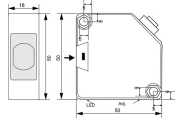
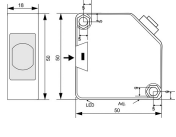
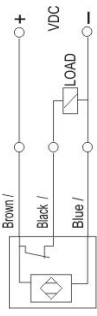
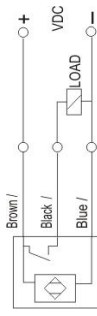
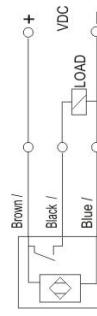
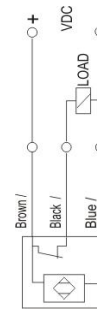
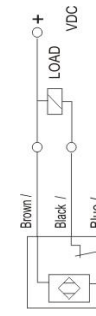
Trough-beam Optoelectronic sensors

housing					
	REC. 50X50X18 ABS	REC. 50X50X18 ABS	REC. 50X50X18 ABS	REC. 50X50X18 ABS	REC. 50X50X18 ABS
code	OPS-3300-OP-R18-TB-RC	OPS-3300-CP-R18-TB-RC	OPS-3300-ON-R18-TB-RC	OPS-3300-CN-R18-TB-RC	OPS-4300-N-R18-TB-RC
number of wires	3	3	3	3	4
output stage	PNP TRANSISTOR	PNP TRANSISTOR	NPN TRANSISTOR	NPN TRANSISTOR	NPN TRANSISTOR
output function	NO	NC	NO	NC	NO+NC
switching distance	300 cm	300 cm	300 cm	300 cm	300 cm
voltage range	10-30VDC	10-30VDC	10-30VDC	10-30VDC	10-30VDC
max output current	250 mA	250 mA	250 mA	250 mA	250 mA
temperature range	-20~+60 °C	-20~+60 °C	-20~+60 °C	-20~+60 °C	-20~+60 °C
max output frequency	100 Hz				
indicator led	1	1	1	1	1
max drop voltage	2 V	2 V	2 V	2 V	2 V
influence protection	IP66	IP66	IP66	IP66	IP66
revers voltage protection	1	1	1	1	1
short circuit protection	no	no	no	no	no
output	CABLE3X0.25-1.5m	CABLE3X0.25-1.5m	CABLE3X0.25-1.5m	CABLE3X0.25-1.5m	CABLE4X0.25-1.5m
circuit					

Trough-beam Optoelectronic sensors

housing					
	REC. 50X50X18 ABS	REC. 50X50X18 ABS	REC. 50X50X18 ABS	REC. 50X50X18 ABS	REC. 50X50X18 ABS
code	OPS-4300-P-R18-TB-RC	OPS-4600-P-R18-TB-RC	OPS-4600-N-R18-TB-RC	OPS-3600-ON-R18-TB-RC	OPS-3600-CN-R18-TB-RC
number of wires	4	4	4	3	3
output stage	PNP TRANSISTOR	PNP TRANSISTOR	NPN TRANSISTOR	NPN TRANSISTOR	NPN TRANSISTOR
output function	NO+NC	NO+NC	NO+NC	NO	NC
switching distance	300 cm	600 cm	600 cm	600 cm	600 cm
voltage range	10-30VDC	10-30VDC	10-30VDC	10-30VDC	10-30VDC
max output current	250 mA	250 mA	250 mA	250 mA	250 mA
temperature range	-20~+60 °C	-20~+60 °C	-20~+60 °C	-20~+60 °C	-20~+60 °C
indicator led	1	1	1	1	1
max drop voltage	2 V	2 V	2 V	2 V	2 V
influence protection	IP66	IP66	IP66	IP66	IP66
revers voltage protection	1	1	1	1	1
short circuit protection	no	no	no	no	no
output	CABLE4X0.25-1.5m	CABLE4X0.25-1.5m	CABLE4X0.25-1.5m	CABLE3X0.25-1.5m	CABLE3X0.25-1.5m
circuit					

Trough-beam Optoelectronic sensors

housing					
	REC. 50X50X18 ABS	REC. 50X50X18 ABS	REC. 50X50X18 ABS	REC. 50X50X18 ABS	REC. 50X50X18 ABS
code	OPS-3600-CP-R18-TB-RC	OPS-3600-OP-R18-TB-RC	OPS-31000-OP-R18-TB-RC	OPS-31000-CP-R18-TB-RC	OPS-31000-CN-R18-TB-RC
number of wires	3	3	3	3	3
output stage	PNP TRANSISTOR	PNP TRANSISTOR	PNP TRANSISTOR	PNP TRANSISTOR	NPN TRANSISTOR
output function	NC	NO	NO	NC	NC
switching distance	600 cm	600 cm	1000 cm	1000 cm	1000 cm
voltage range	10-30VDC	10-30VDC	10-30VDC	10-30VDC	10-30VDC
max output current	250 mA	250 mA	250 mA	250 mA	250 mA
temperature range	-20~+60 °C	-20~+60 °C	-20~+60 °C	-20~+60 °C	-20~+60 °C
indicator led	1	1	1	1	1
max drop voltage	2 V	2 V	2 V	2 V	2 V
influence protection	IP66	IP66	IP66	IP66	IP66
revers voltage protection	1	1	1	1	1
short circuit protection	no	no	no	no	no
output	CABLE3X0.25-1.5m	CABLE3X0.25-1.5m	CABLE3X0.25-1.5m	CABLE3X0.25-1.5m	CABLE3X0.25-1.5m
circuit					

Trough-beam Optoelectronic sensors

housing					
	REC. 50X50X18 ABS	REC. 50X50X18 ABS	REC. 50X50X18 ABS	REC. 50X50X18 ABS	REC. 50X50X18 ABS
code	OPS-31000-ON-R18-TB-RC	OPS-41000-N-R18-TB-RC	OPS-41000-P-R18-TB-RC	OPS-2300-R18-TB-EM	OPS-2600-R18-TB-EM
number of wires	3	3	3	2	2
output stage	NPN TRANSISTOR	NPN TRANSISTOR	PNP TRANSISTOR		
output function	NO	NO+NC	NO+NC		
switching distance	1000 cm	1000 cm	1000 cm	300 cm	600 cm
voltage range	10-30VDC	10-30VDC	10-30VDC	10-30VDC	10-30VDC
max output current	250 mA	250 mA	250 mA		
temperature range	-20~+60 °C	-20~+60 °C	-20~+60 °C	-20~+60 °C	-20~+60 °C
indicator led	1	1	1	1	1
max drop voltage	2 V	2 V	2 V		
influence protection	IP66	IP66	IP66	IP66	IP66
revers voltage protection	1	1	1	1	1
short circuit protection	no	no	no		
output	CABLE3X0.25-1.5m	CABLE4X0.25-1.5m	CABLE4X0.25-1.5m	CABLE2X0.25-1.5m	CABLE2X0.25-1.5m
circuit					

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