

4pin connector diffuse 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-320-CN-18-DF-S4	OPS-320-CP-18-DF-S4	OPS-320-ON-18-DF-S4	OPS-320-OP-18-DF-S4	OPS-340-CN-18-DF-S4
number of wires	3	3	3	3	3
output stage	NPN TRANSISTOR	PNP TRANSISTOR	NPN TRANSISTOR	PNP TRANSISTOR	NPN TRANSISTOR
output function	NC	NC	NO	NO	NC
switching distance	20 cm	20 cm	20 cm	20 cm	40 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	-40~+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
influence protection	IP66	IP66	IP66	IP66	IP66
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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housing					
	M18X1 Ni PLATED Brass	M18X1 Ni PLATED Brass	M18X1 Ni PLATED Brass	M18X1 Ni PLATED Brass	M18X1 Ni PLATED Brass
code	OPS-340-CP-18-DF-S4	OPS-340-ON-18-DF-S4	OPS-340-OP-18-DF-S4	OPS-350-CN-18-DF-S4	OPS-350-CP-18-DF-S4
number of wires	3	3	3	3	3
output stage	PNP TRANSISTOR	NPN TRANSISTOR	PNP TRANSISTOR	NPN TRANSISTOR	PNP TRANSISTOR
output function	NC	NO	NO	NC	NC
switching distance	40 cm	40 cm	40 cm	50 cm	50 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	-40~+60 °C	-40~+60 °C	-40~+60 °C	-50~+60 °C	-50~+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
influence protection	IP66	IP66	IP66	IP66	IP66
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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housing					
	M18X1 Ni PLATED Brass	M18X1 Ni PLATED Brass	M18X1 Ni PLATED Brass	M18X1 Ni PLATED Brass	M18X1 Ni PLATED Brass
code	OPS-350-ON-18-DF-S4	OPS-350-OP-18-DF-S4	OPS-420-P-18-DF-S4	OPS-440-P-18-DF-S4	OPS-450-P-18-DF-S4
number of wires	3	3	4	4	4
output stage	NPN TRANSISTOR	PNP TRANSISTOR	PNP TRANSISTOR	PNP TRANSISTOR	PNP TRANSISTOR
output function	NO	NO	NO+NC	NO+NC	NO+NC
switching distance	50 cm	50 cm	20 cm	40 cm	50 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	-50~+60 °C	-50~+60 °C	-20~+60 °C	-40~+60 °C	-50~+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
influence protection	IP66	IP66	IP66	IP66	IP66
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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housing					
	M18X1 Ni PLATED Brass	M18X1 Ni PLATED Brass	M18X1 Ni PLATED Brass	M18X1 PBT	M18X1 PBT
code	OPS-420-N-18-DF-S4	OPS-440-N-18-DF-S4	OPS-450-N-18-DF-S4	OPS-320-CN-P18-DF-S4	OPS-320-CP-P18-DF-S4
number of wires	4	4	4	3	3
output stage	NPN TRANSISTOR	NPN TRANSISTOR	NPN TRANSISTOR	NPN TRANSISTOR	PNP TRANSISTOR
output function	NO+NC	NO+NC	NO+NC	NC	NC
switching distance	20 cm	40 cm	50 cm	20 cm	20 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	-40~+60 °C	-50~+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
influence protection	IP66	IP66	IP66	IP66	IP66
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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housing					
	M18X1 PBT	M18X1 PBT	M18X1 PBT	M18X1 PBT	M18X1 PBT
code	OPS-320-ON-P18-DF-S4	OPS-320-OP-P18-DF-S4	OPS-420-N-P18-DF-S4	OPS-420-P-P18-DF-S4	OPS-340-CN-P18-DF-S4
number of wires	3	3	4	4	3
output stage	NPN TRANSISTOR	PNP TRANSISTOR	NPN TRANSISTOR	PNP TRANSISTOR	NPN TRANSISTOR
output function	NO	NO	NO+NC	NO+NC	NC
switching distance	20 cm	20 cm	20 cm	20 cm	40 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	-40~+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
influence protection	IP66	IP66	IP66	IP66	IP66
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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housing					
	M18X1 PBT	M18X1 PBT	M18X1 PBT	M18X1 PBT	M18X1 PBT
code	OPS-340-CP-P18-DF-S4	OPS-340-ON-P18-DF-S4	OPS-340-OP-P18-DF-S4	OPS-440-N-P18-DF-S4	OPS-440-P-P18-DF-S4
number of wires	3	3	3	4	4
output stage	PNP TRANSISTOR	NPN TRANSISTOR	PNP TRANSISTOR	NPN TRANSISTOR	PNP TRANSISTOR
output function	NC	NO	NO	NO+NC	NO+NC
switching distance	40 cm	40 cm	40 cm	40 cm	40 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	-40~+60 °C	-40~+60 °C	-40~+60 °C	-40~+60 °C	-40~+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
influence protection	IP66	IP66	IP66	IP66	IP66
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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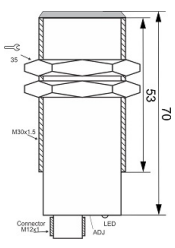
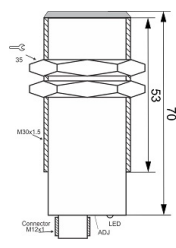
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housing					
	M18X1 PBT	M18X1 PBT	M18X1 PBT	M18X1 PBT	M18X1 PBT
code	OPS-350-CN-P18-DF-S4	OPS-350-CP-P18-DF-S4	OPS-350-ON-P18-DF-S4	OPS-350-OPP-18-DF-S4	OPS-450-N-P18-DF-S4
number of wires	3	3	3	3	4
output stage	NPN TRANSISTOR	PNP TRANSISTOR	NPN TRANSISTOR	PNP TRANSISTOR	NPN TRANSISTOR
output function	NC	NC	NO	NO	NO+NC
switching distance	50 cm	50 cm	50 cm	50 cm	50 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	-50~+60 °C	-50~+60 °C	-50~+60 °C	-50~+60 °C	-50~+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
influence protection	IP66	IP66	IP66	IP66	IP66
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					

4pin connector diffuse optoelectronic sensors

housing					
	M18X1 PBT	M30X1.5 Ni PLATED Brass	M30X1.5 Ni PLATED Brass	M30X1.5 Ni PLATED Brass	M30X1.5 Ni PLATED Brass
code	OPS-450-P-P18-DF-S4	OPS-350-CN-30-DF-S4	OPS-350-CP-30-DF-S4	OPS-350-ON-30-DF-S4	OPS-350-OP-30-DF-S4
number of wires	4	3	3	3	3
output stage	PNP TRANSISTOR	NPN TRANSISTOR	PNP TRANSISTOR	NPN TRANSISTOR	PNP TRANSISTOR
output function	NO+NC	NC	NC	NO	NO
switching distance	50 cm	50 cm	50 cm	50 cm	50 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	-50~+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
influence protection	IP66	IP66	IP66	IP66	IP66
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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housing					
	M30X1.5Ni PLATED Brass	M30X1.5 Ni PLATED Brass			
code	OPS-450-N-30-DF-S4	OPS-450-P-30-DF-S4			
number of wires	4	4			
output stage	NPN TRANSISTOR	PNP TRANSISTOR			
output function	NO+NC	NO+NC			
switching distance	50 cm	50 cm			
voltage range	10-30VDC	10-30VDC			
max output current	250 mA	250 mA			
temperature range	-20~+60 °C	-20~+60 °C			
max output ferequence	100 Hz	100 Hz			
indicator led	yes	yes			
max drop voltage	2 V	2 V			
influence protection	IP66	IP66			
revers voltage protection	yes	yes			
short circuit protection	no	no			
output	4Pin SOCKET	4Pin SOCKET			
circuit	