





	M30	M30	M30	M30
				
Sensing Distance	15 mm	20 mm	15 mm	30 mm
Operating Voltage	10-30 VDC			
Ripple	<10%			
Standard Target	45x45x1 mm	60x60x1 mm	45x45x1 mm	60x60x1 mm
Max. Load Current	200mA			
Leakage Current	-			
Surge Current	-			
Current Consumption	10mA max.			
Residual Voltage	2V max.			
Switching Frequency	150 Hz	100 Hz	150 Hz	100 Hz
Response Time	1ms/1ms	1ms/1ms	1ms/1ms	1ms/1ms
Switching Hysteresis	<15% (Sr)			
Protection Category	IP67			
Operating Temperature	-25°C - +70°C			
Ambient Humidity	Operating 35% to 95%			
Temperature Drift	<10% (Sr)			
Short Circuit Protection	Yes			
Reverse Polarity Protection	Yes			
EMC	RFI>3V/m / EFT>1KV / ESD>4KV (contact)			
Shock / Vibration	IEC 60947-5-2, Part 7.4.1 & 7.4.2			
Material Active Face	PBT			
Housing Material	Chrome-plated Brass			
Part Numbers	Shielded	Unshielded	Shielded	Unshielded
DC 3 wire 10-30V NPN N.O.	OCN1-3015N-ARS4	OCN2-3020N-ARS4	OCN1-3015N-ARL4	OCN2-3030N-ARL4
DC 3 wire 10-30V NPN N.C.	OCN1-3015N-BRS4	OCN2-3020N-BRS4	OCN1-3015N-BRL4	OCN2-3030N-BRL4
DC 3 wire 10-30V PNP N.O.	OCN1-3015P-ARS4	OCN2-3020P-ARS4	OCN1-3015P-ARL4	OCN2-3030P-ARL4
DC 3 wire 10-30V PNP N.C.	OCN1-3015P-BRS4	OCN2-3020P-BRS4	OCN1-3015P-BRL4	OCN2-3030P-BRL4
DC 4 wire 10-30V Changeover NPN				
DC 4 wire 10-30V Changeover PNP				
DC 2 wire 10-60V N.O.				
DC 2 wire 10-60V N.C.				
DC 3 wire 5-36V NPN N.O.				
DC 3 wire 5-36V NPN N.C.				
DC 3 wire 5-36V PNP N.O.				
DC 3 wire 5-36V PNP N.C.				
DC 4 wire 5-36V Changeover NPN				
DC 4 wire 5-36V Changeover PNP				
Diagrams (units in mm)	