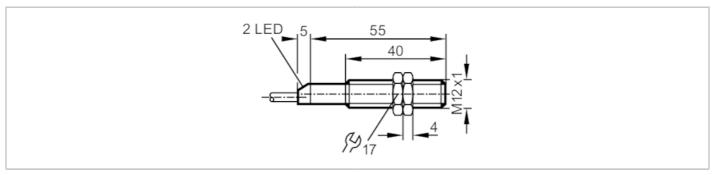
## **OF5018**

## Through-beam sensor transmitter

OFS-OOKG







Electrical data           Operating voltage         [V]         1036 DC           Current consumption         [mA]         < 20           Protection class         II           Reverse polarity protection         yes           Type of light         Infrared light           Wave length         [mm]         880           Outputs           Short-circuit protection         yes           Type of short-circuit protection         yes (non-latching)           Overload protection         yes           Monitoring range           Transmitter / receiver         transmitter           Range         [m]         < 4           Max. light spot diameter         [m]         < 4           Max. light spot dimensions refer to         at maximum range           Operating conditions           Ambient temperature         [°C]         -2560           Protection         Ip 67           Tests / approvals           EMC         EN 60947-5-2           MTTF         [years]         1597	Product characteristics			
Punction principle   Through-beam sensor	Type of light		Infrared light	
Electrical data         Through-beam sensor           Operating voltage         [V]         1036 DC           Current consumption         [mA]         < 20	Housing		Threaded type	
Comment of the state of the s	Application			
Operating voltage         [V]         1036 DC           Current consumption         [mA]         < 20	Function principle		Through-beam sensor	
Current consumption         [mA]         < 20	Electrical data			
Protection class	Operating voltage	[V]	1036 DC	
Reverse polarity protection         yes           Type of light         Infrared light           Wave length         [nm]         880           Outputs           Short-circuit protection         yes           Type of short-circuit protection         yes (non-latching)           Overload protection         yes           Monitoring range           Transmitter / receiver         transmitter           Range         [m]         < 4	Current consumption	[mA]	< 20	
Type of light         Infrared light           Wave length         [nm]         880           Outputs           Short-circuit protection         yes           Type of short-circuit protection         yes (non-latching)           Overload protection         yes           Monitoring range         Transmitter / receiver         transmitter           Range         [m]         < 4           Max. light spot diameter         [mm]         700           Light spot dimensions refer to         at maximum range           Operating conditions           Ambient temperature         [°C]         -2560           Protection         IP 67           Tests / approvals           EMC         EN 60947-5-2         597           Mchanical data         Weight         [g]         72.3           Housing         Threaded type           Dimensions         [mm]         M12 x 1 / L = 60	Protection class		II	
Wave length         [nm]         880           Outputs         Short-circuit protection         yes           Type of short-circuit protection         yes (non-latching)           Overload protection         yes           Monitoring range         transmitter           Transmitter / receiver         transmitter           Range         [m]         < 4	Reverse polarity protection		yes	
Outputs           Short-circuit protection         yes           Type of short-circuit protection         yes (non-latching)           Overload protection         yes           Monitoring range         Transmitter / receiver           Range         [m]         < 4           Max. light spot diameter         [mm]         700           Light spot dimensions refer to         at maximum range           Operating conditions           Ambient temperature         [°C]         -2560           Protection         IP 67           Tests / approvals           EMC         EN 60947-5-2         MTTF           MTTF         [years]         1597           Mechanical data         Weight         [g]         72.3           Housing         Threaded type           Dimensions         [mm]         M12 x 1 / L = 60	Type of light		Infrared light	
Short-circuit protection         yes           Type of short-circuit protection         yes (non-latching)           Overload protection         yes           Monitoring range         Transmitter / receiver           Range         [m]         < 4	Wave length	[nm]	880	
Type of short-circuit protection         yes (non-latching)           Overload protection         yes           Monitoring range         Transmitter / receiver         transmitter           Range         [m]         < 4	Outputs			
protection         yes           Overload protection         yes           Monitoring range         Transmitter / receiver         transmitter           Range         [m]         < 4	Short-circuit protection		yes	
Monitoring range           Transmitter / receiver         transmitter           Range         [m]         < 4			yes (non-latching)	
Transmitter / receiver         transmitter           Range         [m]         < 4	Overload protection		yes	
Range       [m]       < 4	Monitoring range			
Max. light spot diameter [mm]         700           Light spot dimensions refer to         at maximum range           Operating conditions           Ambient temperature [°C]         -2560           Protection         IP 67           Tests / approvals           EMC         EN 60947-5-2           MTTF         [years]           Mechanical data           Weight         [g]           Housing         Threaded type           Dimensions         [mm]	Transmitter / receiver		transmitter	
Light spot dimensions refer to at maximum range  Operating conditions  Ambient temperature [°C] -2560 Protection IP 67  Tests / approvals  EMC EN 60947-5-2 MTTF [years] 1597  Mechanical data  Weight [g] 72.3 Housing Threaded type Dimensions [mm] M12 x 1 / L = 60	Range	[m]	< 4	
Operating conditions           Ambient temperature         [°C]         -2560           Protection         IP 67           Tests / approvals           EMC         EN 60947-5-2           MTTF         [years]         1597           Mechanical data           Weight         [g]         72.3           Housing         Threaded type           Dimensions         [mm]         M12 x 1 / L = 60	Max. light spot diameter	[mm]	700	
Ambient temperature       [°C]       -2560         Protection       IP 67         Tests / approvals         EMC       EN 60947-5-2         MTTF       [years]       1597         Mechanical data         Weight       [g]       72.3         Housing       Threaded type         Dimensions       [mm]       M12 x 1 / L = 60	Light spot dimensions refer to		at maximum range	
Protection         IP 67           Tests / approvals           EMC         EN 60947-5-2         1597           Mechanical data           Weight         [g]         72.3           Housing         Threaded type           Dimensions         [mm]         M12 x 1 / L = 60	Operating conditions			
Tests / approvals           EMC         EN 60947-5-2           MTTF         [years]           Mechanical data           Weight         [g]           Housing         Threaded type           Dimensions         [mm]	Ambient temperature	[°C]	-2560	
EMC         EN 60947-5-2           MTTF         [years]         1597           Mechanical data           Weight         [g]         72.3           Housing         Threaded type           Dimensions         [mm]         M12 x 1 / L = 60	Protection		IP 67	
MTTF       [years]       1597         Mechanical data         Weight       [g]       72.3         Housing       Threaded type         Dimensions       [mm]       M12 x 1 / L = 60	Tests / approvals			
Mechanical data           Weight         [g]         72.3           Housing         Threaded type           Dimensions         [mm]         M12 x 1 / L = 60	EMC		EN 60947-5-2	
Weight         [g]         72.3           Housing         Threaded type           Dimensions         [mm]         M12 x 1 / L = 60	MTTF	[years]	1597	
Housing         Threaded type           Dimensions         [mm]           M12 x 1 / L = 60	Mechanical data			
Dimensions [mm] M12 x 1 / L = 60	Weight	[g]	72.3	
	Housing		Threaded type	
Thread designation M12 x 1	Dimensions	[mm]	M12 x 1 / L = 60	
	Thread designation		M12 x 1	

## **OF5018**

## Through-beam sensor transmitter

Core colors :

brown

blue



OFS-OOKG

BN =

BU =

Material	brass nickel-plated			
Lens material	РММА			
Displays / operating elements				
Display	Power	1 x LED, green		
Accessories				
Items supplied	lock nuts: 2			
Remarks				
Pack quantity	1 pcs.			
Electrical connection				
Cable: 2 m, PUR; 2 x 0.34 mm <sup>2</sup>				
Connection				
	BN	——L+ ——L-		