



WTHF

CYLINDRICAL PROTECTIVE HEATED HOUSING FOR USE IN SEVERE ENVIRONMENTAL CONDITIONS

- *Ideal for external use*
- *Resistant to pressurised water jets*
- *Resistant to highly humid environments*
- *Resistant to cold temperatures*
- *Resistant to saline environments / food industry*

INTRODUCTION

- WTHF is a **cylindrical protective housing for safety light curtain** designed to secure operators working on dangerous machines in an industrial environment including the protection of access to the stations in severe environmental conditions.
- WTHF is particularly suitable for applications in the food industry using inert materials.
- Thanks to its features, WTHF is also the ideal solution for all uses in external environments (rain, sun, environments that generate condensation or cold temperatures).
- The cylindrical housing WTHF can fit the following safety light curtain REER families: EOS2/EOS4.

PRODUCT STRUCTURE

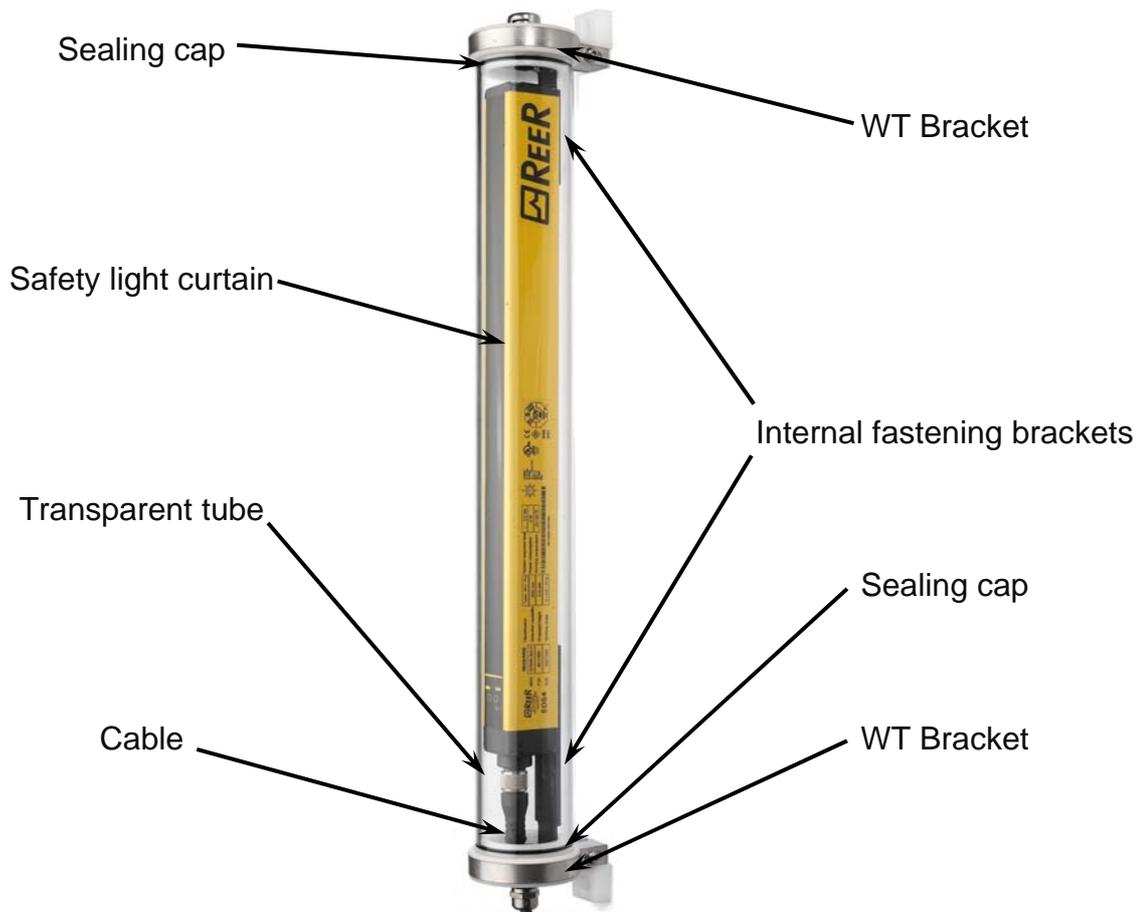


Figure 1

GENERAL CHARACTERISTICS

- Resistant to pressurised water streams of up to 100 bar.
- Integrated anti-condensation system through the GORE™ vent.
- Thermostatic heating control system (power supplied with 24V AC/DC).
(Heating system power consumption = 2 ÷ 10W; see technical characteristics table).
- Operating temperature from -25° to +55°C.
- Degree of protection IP69K.
- CE certified.

PROTECTIVE HOUSING TECHNICAL CHARACTERISTICS

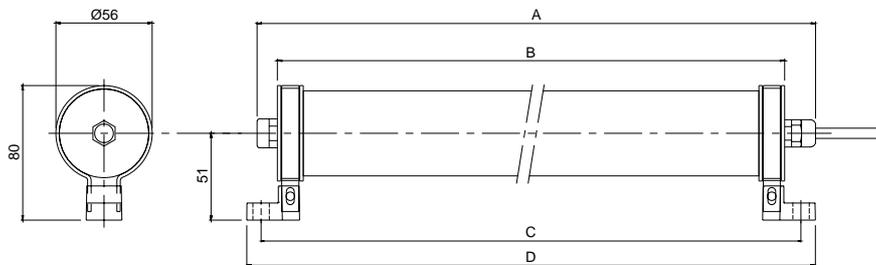
Fastenings	Via 2 WT circular brackets												
Operating temperature °C	-25 ÷ +55												
Operating temperature with pressurised water °C	10 ÷ 55 (max. water pressure = 100 bar)												
Material	Transparent tube	PMMA (Polymethylmethacrylate) Ø 50mm											
	Sealing caps	POM C Ø 56mm / Silicone O-RING											
	WT brackets	Stainless steel (AISI 316L)											
Degree of protection	IP 69K												
MODEL	150	300	450	600	750	900	1050	1200	1350	1500	2B	3B	4B
Heating system power consumption W	2	4	6	8	9	10	10	10	10	10	8	10	10

LIGHT CURTAIN ELECTRICAL CONNECTIONS

EMITTER			
PIN	COLOR	NAME	DESCRIPTION
1	Brown	24VDC	+24VDC power supply
3	Blue	0VDC	0VDC power supply
5	Grey	PE	Ground connection
2	White	RANGE0 *	Barrier configuration
4	Green	RANGE1 *	
-	Yellow	0VDC	HEATING SYSTEM
-	Red	24V AC/DC	
-	Pink	n.c.	

RECEIVER			
PIN	COLOR	NAME	DESCRIPTION
2	Brown	24VDC	+24VDC power supply
7	Blue	0VDC	0VDC power supply
8	Red	PE	Ground connection
1	White	OSSD1	Safety static outputs
3	Green	OSSD2	
5	Grey	SEL_A	Barrier configuration
6	Pink	SEL_B	
4	Yellow	K1_K2	External contactors Feedback
-	Black	0VDC	HEATING SYSTEM
-	Violet	24V AC/DC	

DIMENSIONS (mm)



Cable length TX (m): 50,15,10(standard),6
 Cable length RX (m): 30,15,10(standard),6
 Ø max (mm) = 5,8

Figure 2

MODEL	150	300	450	600	750	900	1050	1200	1350	1500	2B	3B	4B
Dimension "A"	320	470	620	770	920	1070	1220	1370	1520	1670	760	1060	1160
Dimension "B"	290	440	590	740	890	1040	1190	1340	1490	1640	730	1030	1130
Dimension "C" (± 3mm)	310	460	610	760	910	1060	1210	1360	1510	1660	750	1050	1150
Dimension "D"	325	475	625	775	925	1075	1225	1375	1525	1675	765	1065	1165

WT EOS FASTENING BRACKET

- The figure illustrates the assembly of the brackets for the top and bottom caps of the housing.

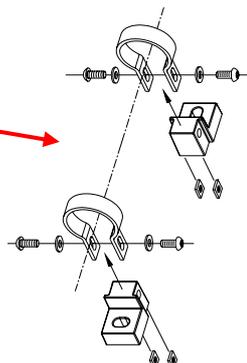


Figure 3