

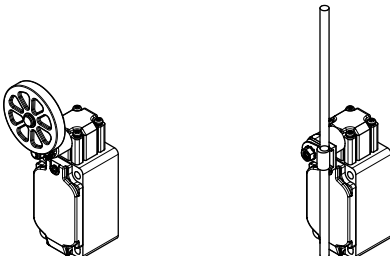
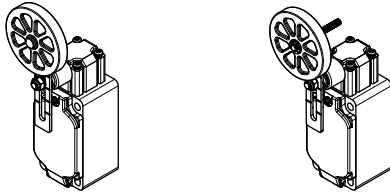
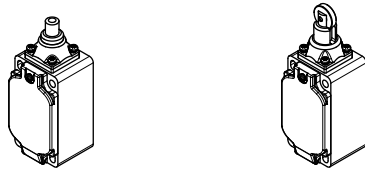


SIL
IEC 61508

FTNG

LIMIT SWITCHES

Configuration 1oo2 (redundant) 2NC or 2NO or NC + NO positive opening / closing with diagnostics on the two contacts (consistency and crossing check)



λ_{SD}	$1.79 \cdot 10^{-8}$	h^{-1}	λ_S	$2.18 \cdot 10^{-7}$	h^{-1}
λ_{SU}	$2.00 \cdot 10^{-7}$	h^{-1}	λ_D	$1.20 \cdot 10^{-7}$	h^{-1}
λ_{DD}	0.00	h^{-1}			
λ_{DU}	$1.20 \cdot 10^{-7}$	h^{-1}	λ_{TOT}	$3.39 \cdot 10^{-7}$	h^{-1}

SFF	64.48%	MTTR	4	h
		TID	0.0016667	h

TI	1	2	5	years
PFDv	$5.27 \cdot 10^{-4}$	$1.05 \cdot 10^{-3}$	$2.64 \cdot 10^{-3}$	
SIL	3	2	2	