



Safety steps TS for buses & trains



EN | Data sheet

Mayser GmbH & Co. KG

Örlinger Straße 1-3

89073 Ulm

GERMANY

Phone: +49 731 2061-0

Fax: +49 731 2061-222

E-mail: info.ulm@mayser.com

Internet: www.mayser.com

Technical data

Testing basis	VDV 157	
Switching characteristics at $v_{\text{test}} = 250 \text{ mm/s}$		
Switching operations at 0.1 A	$> 3 \times 10^6$	
Actuation force	+23 °C	
Test sample 1 Ø 40 mm	$\leq 150 \text{ N}$	
Tolerance	20 to 149 N	
Safety classifications		
ISO 13849-1: B _{10D}	6×10^6	
Mechanical operating conditions		
Static load (up to 8 h)	max. 800 N/cm ²	
IEC 60529: Degree of protection	IP67	
Weight (Switch + Coating)	approx. 12 kg/m ²	
Operating temperature	as agreed	
EN 50125-1: max. humidity 23 °C	95 % ± 5 %	
ISO 7619-1: Hardness as per Shore	A 64 ± 5	
Surface (coating)	round nub coating	non-slip coating
Slip resistance class in accordance with DIN 51130, with tap water as the slip agent	R10	R11
with oil as the slip agent	R10	R10
EN 45545-2: Fire behaviour		
Hazard level	HL2	HL2
R phrase	R10	R10
Cable		
EN 45545-2: Fire behaviour		
Hazard level	HL3	
R phrase	R15 / R16	
Sizes	on customer request	
Non-sensitive edge zone (surrounds the effective actuation area)		
on side with cable connection	30 mm	
on all other sides	15 mm	
Colour	black, yellow, orange (others on request)	
Maintenance	maintenance-free	
Electrical operating conditions		
Terminal resistance (± 1 %)	1k2, 8k2 (others on request)	
Rated power	250 mW	
Contact transition resistance	$< 400 \text{ Ohm}$ (per sensor)	
Switching current (min./max.)	1 mA / 100 mA	
Connection cable	$\text{Ø } 5.0 \pm 0.3 \text{ mm}$, $2 \times 0.75 \text{ mm}^2$ (others on request)	
Dimensional tolerances		
ISO 2768 – c		