

# PBX RAILWAY

A robust and reliable **positive break microswitch** for low & medium power ranges and the harshest environments



 FOR SEVERE CONDITIONS

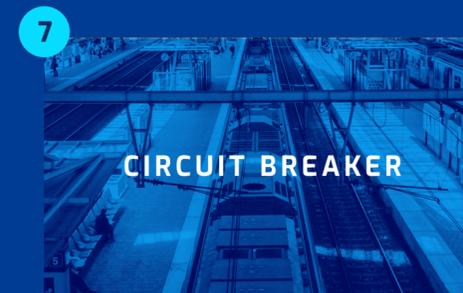
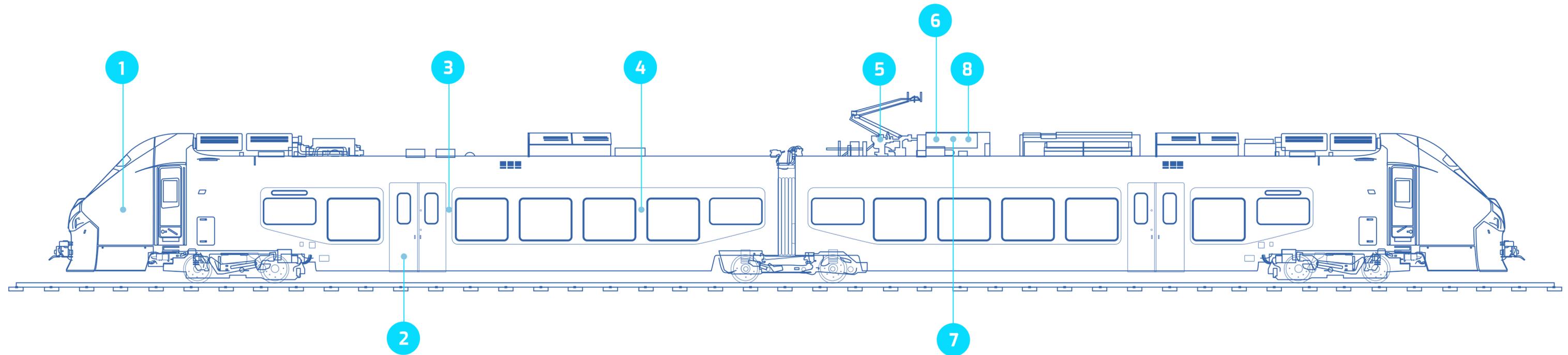
 DURABLE

 CERTIFIED

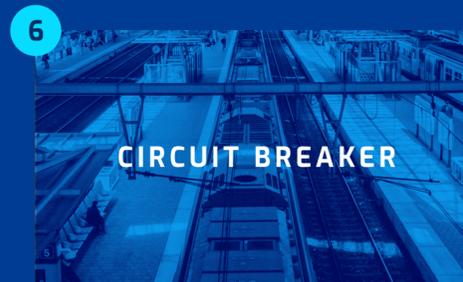
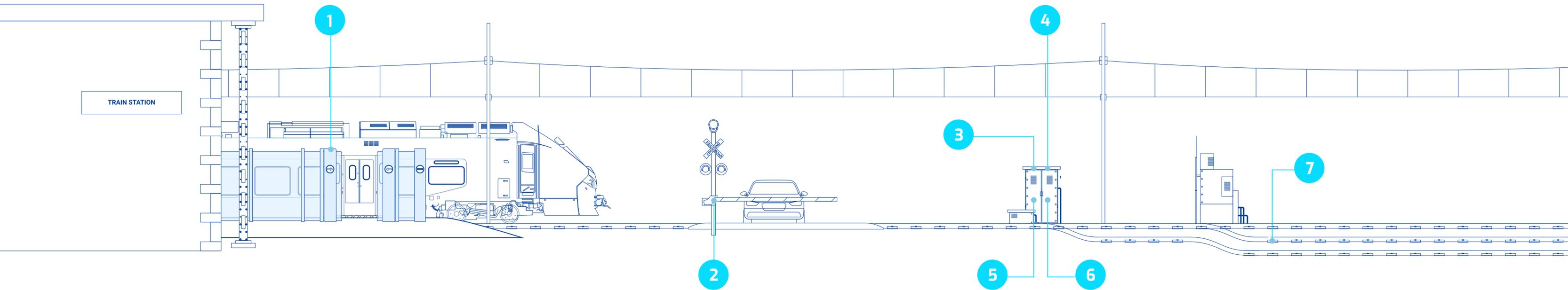
 RELIABLE

 HIGH-RESISTANCE

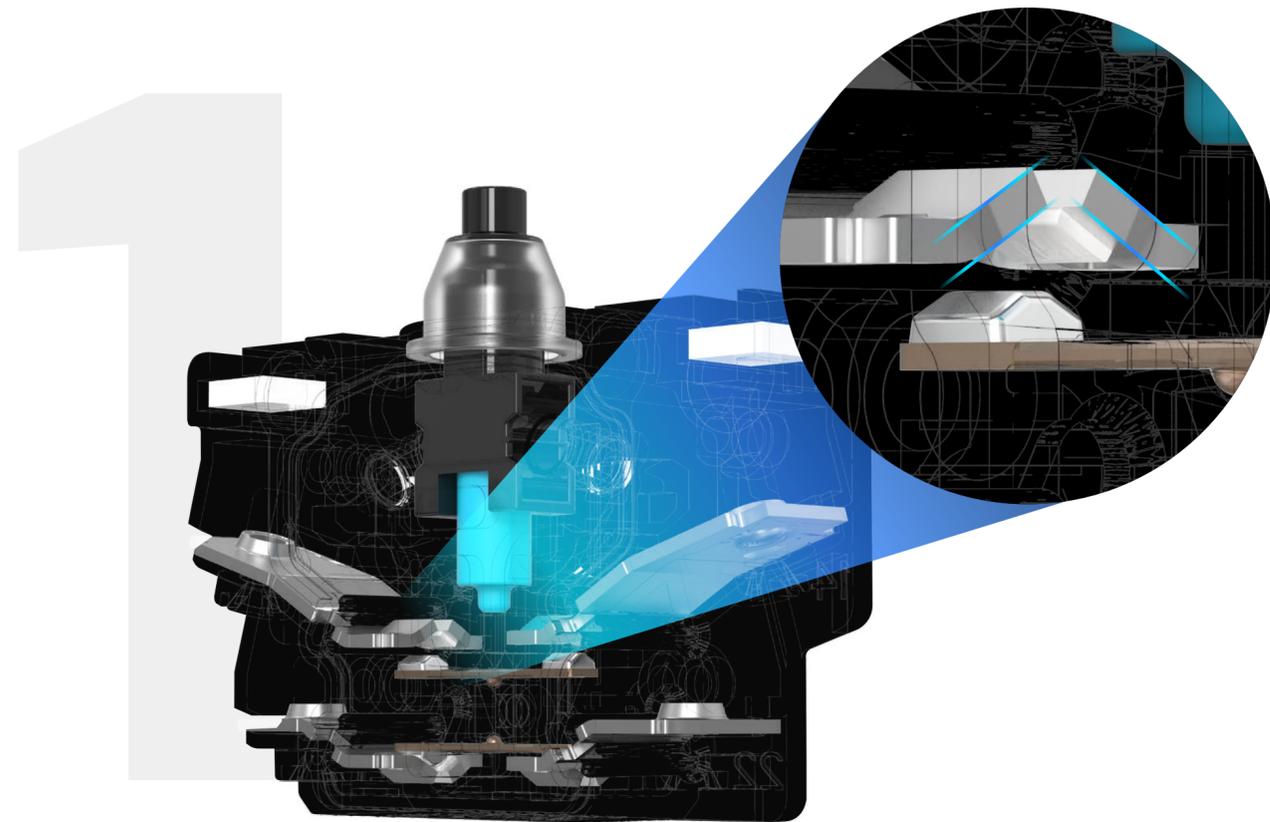
# APPLICATIONS FOR ROLLING STOCK



# APPLICATIONS IN INFRASTRUCTURE

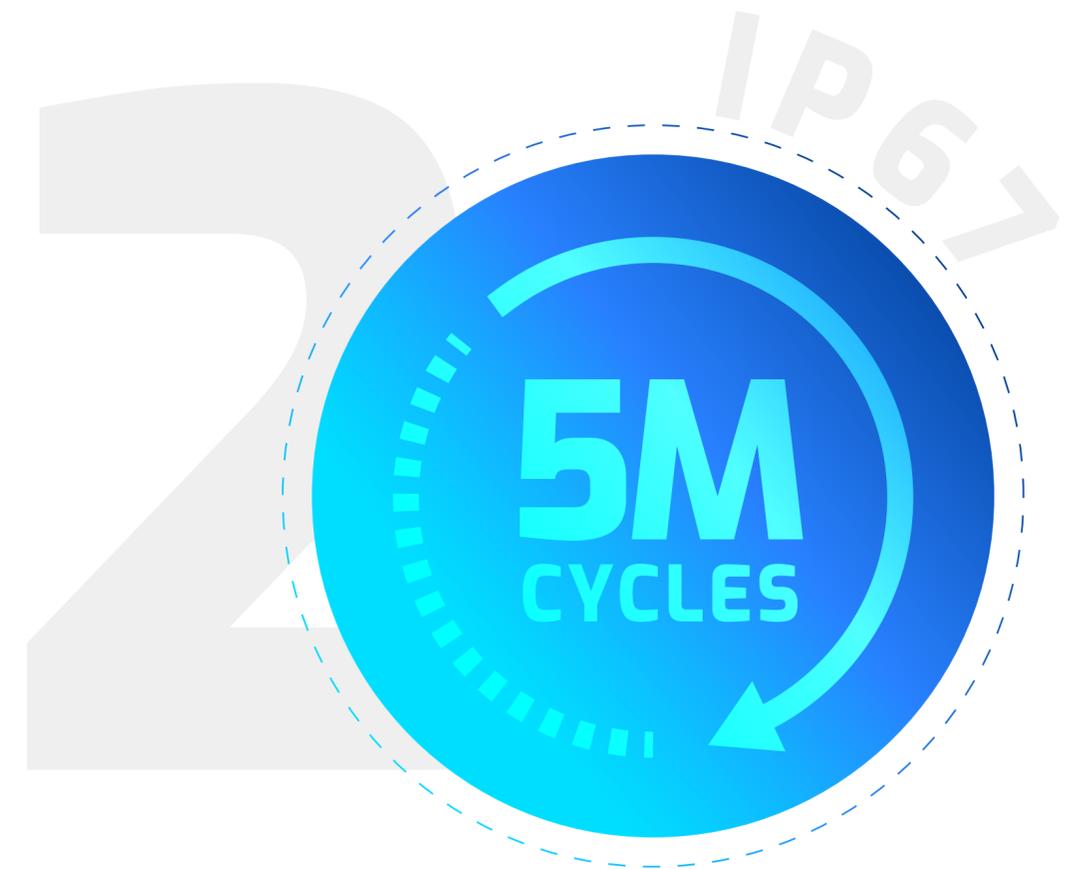


# **PBX RAILWAY** = **RELIABILITY**



## **Self-cleaning contacts**

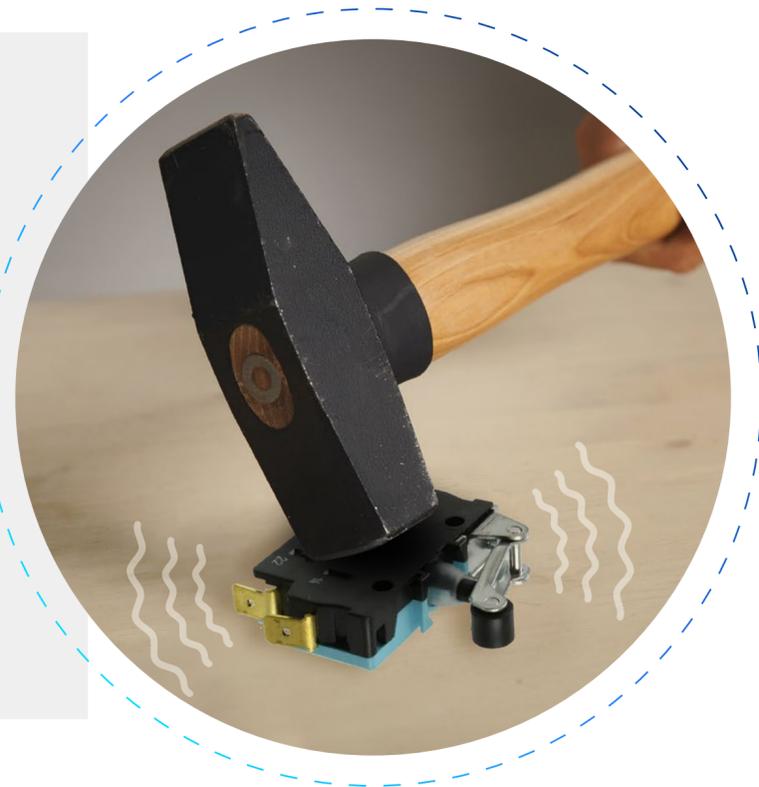
It's new **double «V-shaped» contacts**, wipe themselves to eliminate any pollution.



## **Long-lasting durability**

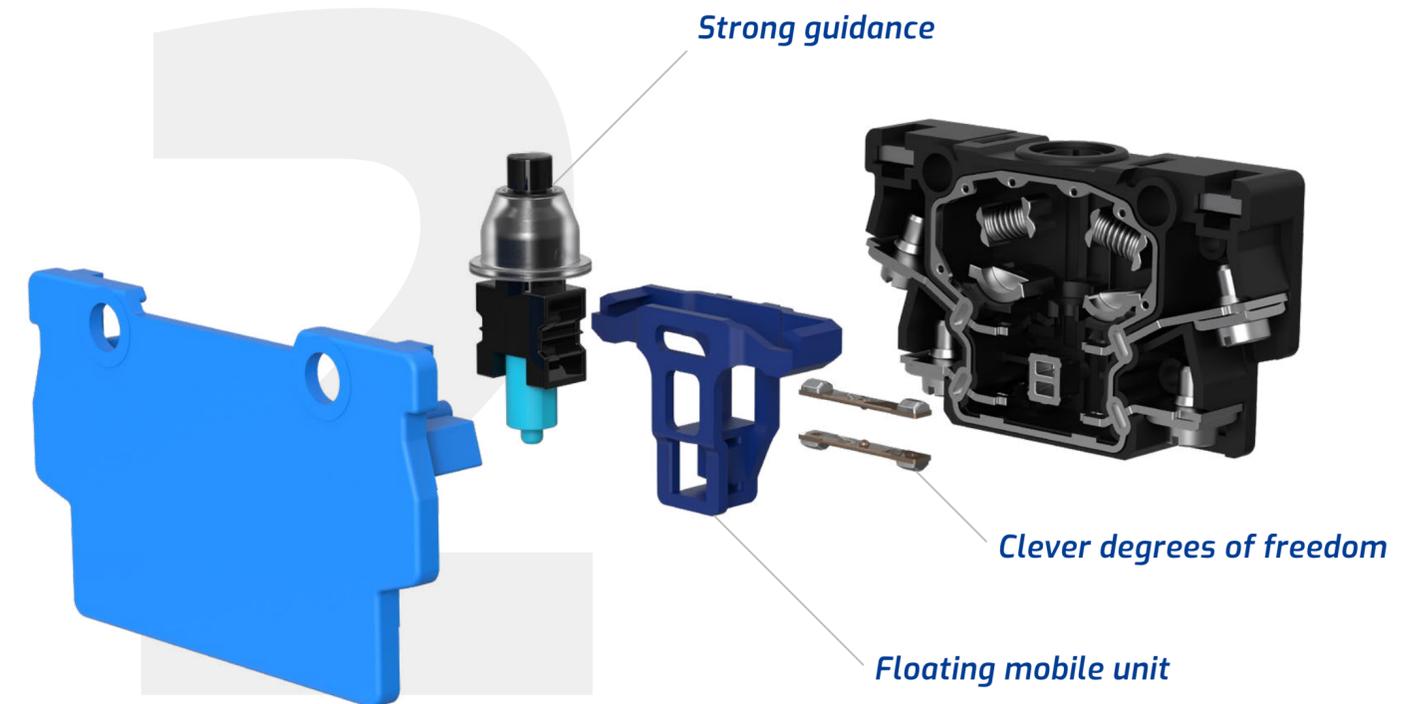
The sealed **IP67 version** is qualified to last at least **5 million cycles**, while the **IP40 version**, up to **10 million**.

# **PBX RAILWAY** = **ROBUSTNESS**



## **Strong, durable housing**

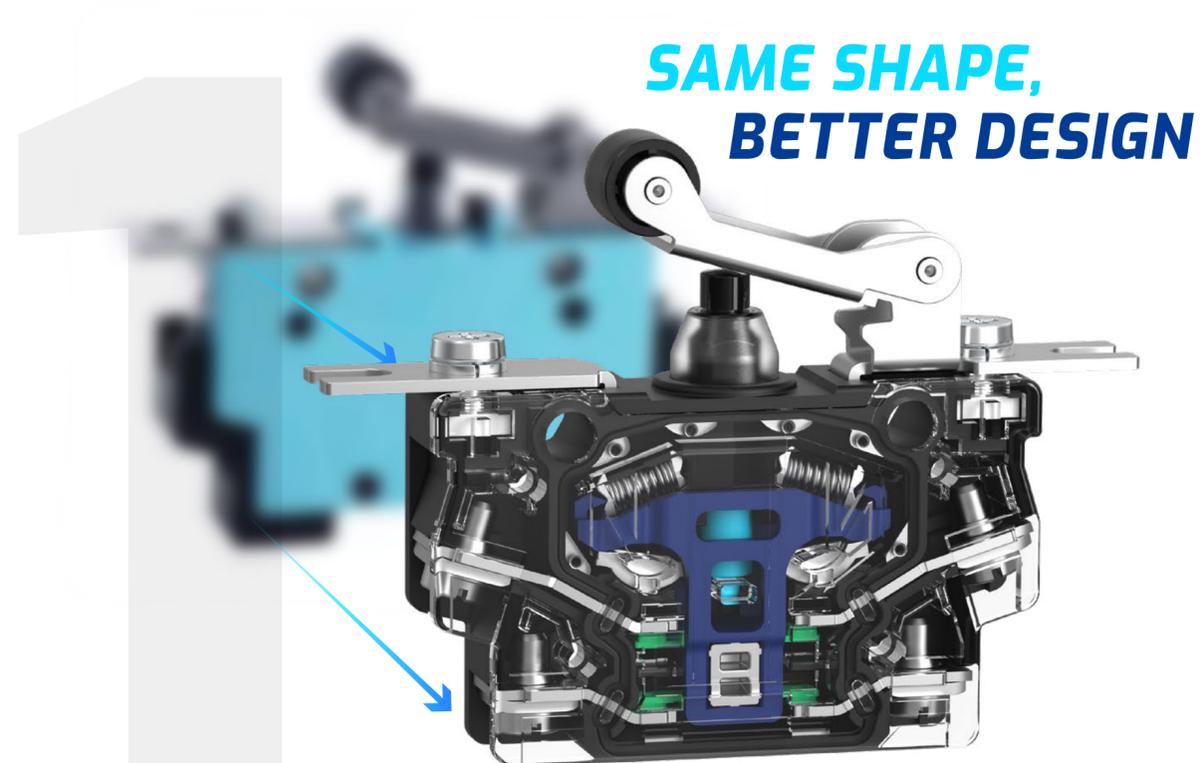
Made of polycarbonate glass fiber reinforced, it has the strongest and most durable housing available on the market today.



## **Better insulation + Shock & vibration resistance**

The PBX Railway is designed to insulate the electrical contact from the external troubles (shocks and vibrations).

# PBX RAILWAY = SMART USE



## Completely interchangeable

Easily switch from the existing PBX version or from a competitor's similar product to this new PBX Railway.



## Easier integration

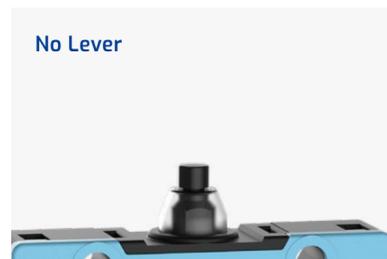
Thanks to the **highest positive overtravel** on the market (2,05 mm vs 0,15 mm with competitors), the PBX Railway eases its integration on our customer's designs and applications by reducing the adjustment process.

**1 SINGLE PRODUCT =**



**240 POSSIBLE CONFIGURATIONS**

**1 ACTIVATING LEVERS**



**2 IP PROTECTION RATING**



**4 SWITCHING FORCE**



**5 OUTPUT CURRENT RATING**



**3 MOUNTING ACCESSORIES**

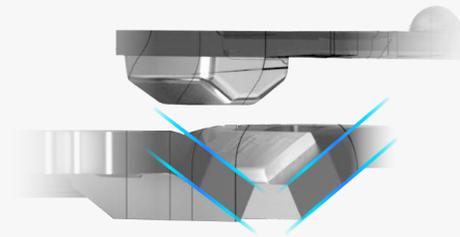


**6 CONNECTION TERMINALS**



**+ YOUR MOST SPECIFIC REQUESTS ON-DEMAND  
VIA OUR DESIGN LAB**

# IN A NUTSHELL



Double **wiping** contacts

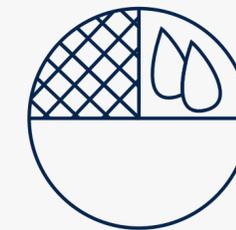
**Very long overtravel**

2,05 mm after the positive opening position



Ratings from  
**1mA 4Vdc**  
to  
**2A 250Vac**

**PBX RAILWAY**



**IP67**  
or  
**IP40**

Protection of mechanism



**-50°**  
to  
**+85°**

Operating temperature

Very long mechanical life:



IP40



IP67



Railway standards  
**EN 45545-2 EL10**  
class approved





# 60+ YEARS' EXPERIENCE ON THE RAILWAY MARKET



## Long-term partnerships with world's top market players

### Sub-tier Manufacturers



### Train Manufacturers



### Rail Operators



## Fully certified products

Trusted by SNCF, China Railway  
and Deutsche Bahn



### Switches & Sensors

Microswitches, Force sensors,  
Limit switches and Pneumatic  
sensors



### Motion Control

Brush and brushless motors



### Automation & Control

Timers, counters, automation  
controllers and more.

## For multiple applications on the Rolling Stock and Infrastructure

### Rolling Stock

- > Internal & External Door & Access Ramp
- > Disconnecter & Contactor
- > Master Controller
- > Emergency Brake System
- > Rail coupler

### Infrastructure

- > Control barrier
- > Switchpoint
- > Platform Screen Door
- > Disconnecter
- > Lever V

+ Railway Construction Machine

*Thank You*  
FOR YOUR ATTENTION!

**MANUFACTURING  
THE FUTURE  
TOGETHER**

 **CROUZET**