

## Technical Data HVR Fuse

### Code H1

Electrical data	
Insulation resistance	≥ 200 MΩ
Voltage class	B 60 V DC < U ≤ 1500 V DC 25 V AC < U ≤ 1000 V AC
Contact resistance (current)	≤ 1.36 mΩ
Contact resistance (EMV)	≤ 10 mΩ
Ampacity for 6 mm <sup>2</sup>	40 A at 105°C acc. to DIN EN 60512-5-2
Test voltage	2700 V DC
Working voltage	750 V DC
EMI (shielding effectiveness)	70 dB (10 kHz – 5 MHz) 65 dB (5 MHz – 500 MHz)
High Voltage Interlock (HVIL)	available
Mechanical data	
Mating cycles	≥ 50
Engagement force	≤ 100 N
Disengagement force	≥ 50 N
Retention force latch	≥ 500 N
Coding efficiency	≥ 300 N
Cable cross sections	2.5 mm <sup>2</sup> , 4 mm <sup>2</sup> , 6 mm <sup>2</sup>
Vibration class	LV215 PG17-II
IP class (mated)	IP6K9K/ IPX8/ IPXXD
IP class (unmated)	IPXXB
Touch proof	acc. to DIN EN 60529
Environmental data	
Temperature range	-40 °C to +140 °C
RoHS	compliant
Design characteristics	
Locking by clamp	
HVR fuses can't be removed from fuse-housing	
No (special) tools necessary to change the Rosenberger HVR fuse	

Limitations are possible due to the used cable type.

## Fields of Application

- ▶ HV Safety

## Interface Drawing

- ▶ RN\_091-01