

# Catalog Card

## Loudspeaker column

### TYPE-Bk20



Sat-System Sp. z o.o.  
Ul. Stanisława Staszica 47  
05-092 Łomianki  
E-mail:  
[sales@railway-systems.eu](mailto:sales@railway-systems.eu)  
[office@railway-systems.eu](mailto:office@railway-systems.eu)



ISO 9001:2015



IST/TS 22163:2017



AQAP 2110:2016



Świadcetwo  
Bezpieczenstwa  
Przemyslowego



Koncesja  
MSWIA

## PURPOSE, DEVICE CHARACTERISTICS

The TYP-Bk loudspeaker column is suitable for indoor and outdoor operation. It has 4 cone speakers with a diameter of 10 cm. It works in 100V high-voltage technique. It has a simple power adjustment - using a switch located in the rear panel of the loudspeaker housing. It is designed to emit voice messages. Thanks to the wide frequency range from 150Hz to 13kHz, broadcast messages are delivered in the highest quality and understandable for travelers. The mounting bracket used allows for easy and quick installation and simple adjustment of the setting when taking measurements of the STI speech transmission indicator

## TECHNICAL DATE

Technical parameters	
Frequency response	150 Hz - 13 kHz
Efficiency	89 dB
Converter	2 x cone speakers with a diameter of 10 cm, resistant to external conditions
Rated power	20 W
Switchable power	20 / 10 / 3 / 5 W / 2.5 W (100 V), 10 / 5 / 2.5 / 1.3 / 0.5 W (70 V)
Rated impedance	70 V, 100 V
Dimensions	135 x 250 x 128 mm
Execution	HIPS plastic, painted, white (RAL 9010 or equivalent)
Operating temperature range	from -10°C do +50°C

## COMPLIANCE WITH STANDARDS

Test name	Number and title of the standard	Requirements
Cold resistance	PN-EN 60068-2-1:2009 Research environmental. Part 2-1:Trials. Trial A: Cold	Category B speakers: Sharpness: -25 oC
Resistance to dry heat	PN-EN 60068-2-2:2009 Research environmental. Part 2-2:Trials. Test B: Dry heat	Category B speakers: Sharpness: +55oC
Damp heat resistance cyclical	PN-EN 60068-2-30:2008Environmental research. Hi2-30: Trials. DB test:Moist hot cyclical	Category B speakers: Sharpness: +55oC Humidity: 95%
Vibration resistance sinusoidal	PN-EN 60068-2-27:2009 Environmental research. Hi2-27: Trials. Trial of Ea: Strokes	Category B speakers: Impact accelerations: 2gShock duration: 11ms
Checking the degree of protection IP	PN-EN 60529:2003/A2:2014-07Degrees of protection providedby enclosures (IP code)IP65	IP65
Checking the degree of protection IK	PN-EN 50102:2001 Degrees external protection mechanical impacts provided by the housing electrical devices (code IK)	IK07