
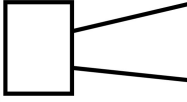




Acoustic device, 24V, continuous or pulsed tone

Part no. **SL7-AP24**  
 Catalog No. **171281**  
 Alternate Catalog No. **SL7-AP24**  
 EL-Nummer (Norway) **4137629**

**Delivery program**

|                            |       |    |                                                                                                                                                                                                           |
|----------------------------|-------|----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product range              |       |    | SL signal towers                                                                                                                                                                                          |
| Basic function             |       |    | Acoustic module                                                                                                                                                                                           |
| Degree of Protection       |       |    | IP66                                                                                                                                                                                                      |
| Rated operational voltage  | $U_e$ | V  | 24 V AC/DC                                                                                                                                                                                                |
| Rated operational current  | $I_e$ | mA | 92                                                                                                                                                                                                        |
| Description                |       |    | Continuous tone or pulsed tone, adjustable with internal dip switches.<br>Sound pressure 100 db, adjustable with internal potentiometer.<br>$f = 2800$ Hz<br>Place only at the highest position on a pole |
| <b>Colour</b>              |       |    |                                                                                                                         |
| Function                   |       |    |                                                                                                                        |
| Connection to SmartWire-DT |       |    | no                                                                                                                                                                                                        |

**Technical data**

|                             |  |    |                                                                           |
|-----------------------------|--|----|---------------------------------------------------------------------------|
| <b>General</b>              |  |    |                                                                           |
| Standards                   |  |    | IEC/EN 60947-5-1                                                          |
| Climatic proofing           |  |    | Damp heat, cyclic, to IEC 60068-2-30                                      |
| Mounting position           |  |    | As required                                                               |
| Mechanical shock resistance |  | g  | > 15<br>according to IEC 60068-2-27<br>Shock duration 11 ms<br>Sinusoidal |
| IEC degree of protection    |  |    | IP66<br>IEC/EN 60529                                                      |
| Protection type UL          |  |    | Type 4, 4X, 13                                                            |
| Material                    |  |    | Enclosure: Polycarbonate (PC), black<br>Cap: Polycarbonate (PC)           |
| Ambient temperature         |  | °C | -30 - +60                                                                 |
| Weight                      |  | g  | 102                                                                       |

**Contacts**

|                                       |           |      |       |
|---------------------------------------|-----------|------|-------|
| Rated impulse withstand voltage       | $U_{imp}$ | V AC | 4000  |
| Rated insulation voltage              | $U_i$     | V    | 250   |
| Overtoltage category/pollution degree |           |      | III/3 |

**modules**

| Leakage current      |                     | A         | < 0.003                                                                                                                                                                                                                                                                                                                                                  |             |                     |             |         |             |                     |             |  |  |  |  |  |  |  |
|----------------------|---------------------|-----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|---------------------|-------------|---------|-------------|---------------------|-------------|--|--|--|--|--|--|--|
| Type of tone         |                     |           | Continuous or pulsed tone                                                                                                                                                                                                                                                                                                                                |             |                     |             |         |             |                     |             |  |  |  |  |  |  |  |
| Types of sound       |                     |           | 2 versions, table of sound types                                                                                                                                                                                                                                                                                                                         |             |                     |             |         |             |                     |             |  |  |  |  |  |  |  |
| Sound setting        |                     |           | Internal; 1 pole DIP                                                                                                                                                                                                                                                                                                                                     |             |                     |             |         |             |                     |             |  |  |  |  |  |  |  |
| Table of sound types |                     |           | <p><b>Table of sound types</b></p> <table border="1"> <thead> <tr> <th>Sound type</th> <th>DIP switch settings</th> <th>Frequency</th> <th>Diagram</th> <th>Repeat rate</th> <th>Special application</th> <th>Max. volume</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table> | Sound type  | DIP switch settings | Frequency   | Diagram | Repeat rate | Special application | Max. volume |  |  |  |  |  |  |  |
| Sound type           | DIP switch settings | Frequency | Diagram                                                                                                                                                                                                                                                                                                                                                  | Repeat rate | Special application | Max. volume |         |             |                     |             |  |  |  |  |  |  |  |
|                      |                     |           |                                                                                                                                                                                                                                                                                                                                                          |             |                     |             |         |             |                     |             |  |  |  |  |  |  |  |

|                                               |  |    |           |                 |                 |              |   |                         |
|-----------------------------------------------|--|----|-----------|-----------------|-----------------|--------------|---|-------------------------|
|                                               |  |    | SL7-AP... | Continuous tone | Hz approx. 2800 | -            | - | dB 100                  |
|                                               |  |    |           | Pulsed tone     | approx. 2800    | approx. 2 Hz | - | 100                     |
| Sound pressure                                |  | dB |           |                 |                 |              |   | 100                     |
| Sound pressure level adjustment               |  |    |           |                 |                 |              |   | Built-in, potentiometer |
| Sound pressure can be lowered to a minimum of |  |    |           |                 |                 |              |   | 88 dB                   |
| Transmission angle                            |  |    |           |                 |                 |              |   | 360°                    |
| Current-/power consumption                    |  |    |           |                 |                 |              |   |                         |
| at 24 V AC/DC                                 |  | A  |           |                 |                 |              |   | 0.092                   |
| Voltage range                                 |  |    |           |                 |                 |              |   | 24 V AC/DC ± 10 %       |

## Design verification as per IEC/EN 61439

|                                        |  |    |     |
|----------------------------------------|--|----|-----|
| Technical data for design verification |  |    |     |
| Operating ambient temperature min.     |  | °C | -30 |
| Operating ambient temperature max.     |  | °C | 60  |

## Technical data ETIM 7.0

|                                                                                                                                                                                                   |  |    |                            |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|----|----------------------------|
| Low-voltage industrial components (EG000017) / Acoustic module for signal tower (EC001261)                                                                                                        |  |    |                            |
| Electric engineering, automation, process control engineering / Low-voltage switch technology / Command and alarm device / Signal column element, acoustic (ecl@ss10.0.1-27-37-12-37 [AKF055014]) |  |    |                            |
| Function                                                                                                                                                                                          |  |    | Continuous tone/pulse tone |
| Outer diameter                                                                                                                                                                                    |  | mm | 73                         |
| Colour                                                                                                                                                                                            |  |    | Black                      |
| Operating voltage at AC 50 Hz                                                                                                                                                                     |  | V  | 24 - 24                    |
| Operating voltage at AC 60 Hz                                                                                                                                                                     |  | V  | 24 - 24                    |
| Operating voltage at DC                                                                                                                                                                           |  | V  | 24 - 24                    |
| Voltage type                                                                                                                                                                                      |  |    | AC/DC                      |
| Tone adjustable                                                                                                                                                                                   |  |    | Yes                        |
| Degree of protection (IP)                                                                                                                                                                         |  |    | IP66                       |
| Degree of protection (NEMA)                                                                                                                                                                       |  |    | 4X                         |
| Loudness                                                                                                                                                                                          |  | dB | 100                        |

## Approvals

|                             |  |  |                                                                                |
|-----------------------------|--|--|--------------------------------------------------------------------------------|
| Product Standards           |  |  | IEC/EN 60947-5-1; UL 508; CSA-C22.2 No. 14-10; CSA-C22.2 No. 94-91; CE marking |
| UL File No.                 |  |  | E29184                                                                         |
| UL Category Control No.     |  |  | NKCR                                                                           |
| CSA File No.                |  |  | UL report applies to both US and Canada                                        |
| CSA Class No.               |  |  | NKCR7                                                                          |
| North America Certification |  |  | UL listed, certified by UL for use in Canada                                   |
| Degree of Protection        |  |  | UL Type 4, 4X, 13                                                              |

## Dimensions

