

Acoustic module;230 V;continuous or pulsed tone



Part no. SL7-AP230  
Catalog No. 171283  
Alternate Catalog No. SL7-AP230  
EL-Nummer 4137631  
(Norway)

Delivery program

|                            |                |    |                                                                                                                                                                                                         |
|----------------------------|----------------|----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product range              |                |    | SL signal towers                                                                                                                                                                                        |
| Basic function             |                |    | Acoustic module                                                                                                                                                                                         |
| Degree of Protection       |                |    | IP66                                                                                                                                                                                                    |
| Rated operational voltage  | U <sub>e</sub> | V  | 230/240 V AC                                                                                                                                                                                            |
| Rated operational current  | I <sub>e</sub> | mA | 43                                                                                                                                                                                                      |
| 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 |
| Connection to SmartWire-DT |                |    | no                                                                                                                                                                                                      |

Technical data

|                             |  |    |                                                                           |
|-----------------------------|--|----|---------------------------------------------------------------------------|
| 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 <sub>imp</sub> | V AC | 4000  |
| Rated insulation voltage              | U <sub>i</sub>   | V    | 250   |
| Overvoltage 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      |                                                                                       |                 | <table><tr><th colspan="7">Table of sound types</th></tr><tr><th>Sound type</th><th>DIP switch settings</th><th>Frequency Hz</th><th>Diagram</th><th>Repeat rate</th><th>Special application</th><th>Max. volume</th></tr><tr><td>SL7-AP... Continuous tone</td><td></td><td>approx. 2800 Hz</td><td></td><td>-</td><td>-</td><td>100 dB</td></tr><tr><td>Pulsed tone</td><td></td><td>approx. 2800 Hz</td><td></td><td>approx. 2 Hz</td><td>-</td><td>100 dB</td></tr></table> | Table of sound types |                     |             |  |  |  |  | Sound type | DIP switch settings | Frequency Hz | Diagram | Repeat rate | Special application | Max. volume | SL7-AP... Continuous tone |  | approx. 2800 Hz |  | - | - | 100 dB | Pulsed tone |  | approx. 2800 Hz |  | approx. 2 Hz | - | 100 dB |
| Table of sound types      |                                                                                       |                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                      |                     |             |  |  |  |  |            |                     |              |         |             |                     |             |                           |                                                                                       |                 |                                                                                       |   |   |        |             |                                                                                       |                 |                                                                                       |              |   |        |
| Sound type                | DIP switch settings                                                                   | Frequency Hz    | Diagram                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Repeat rate          | Special application | Max. volume |  |  |  |  |            |                     |              |         |             |                     |             |                           |                                                                                       |                 |                                                                                       |   |   |        |             |                                                                                       |                 |                                                                                       |              |   |        |
| SL7-AP... Continuous tone |  | approx. 2800 Hz |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | -                    | -                   | 100 dB      |  |  |  |  |            |                     |              |         |             |                     |             |                           |                                                                                       |                 |                                                                                       |   |   |        |             |                                                                                       |                 |                                                                                       |              |   |        |
| Pulsed tone               |  | approx. 2800 Hz |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | approx. 2 Hz         | -                   | 100 dB      |  |  |  |  |            |                     |              |         |             |                     |             |                           |                                                                                       |                 |                                                                                       |   |   |        |             |                                                                                       |                 |                                                                                       |              |   |        |
| 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 230 /240V AC                               |  | A | 0.043                   |
| Voltage range                                 |  |   | 230/240 V AC ± 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 8.0

|                                                                                                                                                                                                   |  |    |                            |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|----|----------------------------|
| 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  | 230 - 240                  |
| Operating voltage at AC 60 Hz                                                                                                                                                                     |  | V  | 230 - 240                  |
| Operating voltage at DC                                                                                                                                                                           |  | V  | 0 - 0                      |
| Voltage type                                                                                                                                                                                      |  |    | AC                         |
| Tone adjustable                                                                                                                                                                                   |  |    | Yes                        |
| Degree of protection (IP)                                                                                                                                                                         |  |    | IP66                       |
| Degree of protection (NEMA)                                                                                                                                                                       |  |    | 13                         |
| Loudness                                                                                                                                                                                          |  | dB | 100                        |