## **PRODUCTION SYSTEMS**

# LP352 Pick-to-Light

A robust, flexible Pick-to-Light System for industrial applications

- Guidance systems for quality assurance in the picking of materials
- Speeds up and streamlines order picking
- Quick and easy installation with standard modules





## LP352 Pick-to-Light

Production by the manufacturing industry is often based on customer demands and the production flow therefore contains a variety of product variants. This makes it a real challenge to do everything correctly from the start. Incorrect assembly and wrong sequence delivery result in high costs due to production stops and repairs. In the worst case scenario, the incorrect product is delivered to the customer which, besides involving high cost for quality defects, also risks damaging the company's reputation.

Binar Electronik AB has many years of experience in the quality assurance of assemblies. Instead of the assembly personnel gathering parts themselves, it becomes more and more common materials are delivered in finished batches to the assembly sites. The batches of material are put together at an earlier stage in the supply chain, at so-called "supermarkets".

A re-pick is frequently done at logistics departments when picking parts from pallets, picking a plastic box over to the sequence trailer, or sequence container. Having previously handled the full and half pallets, operators must now pick and repack at the part level. An operator often handles a large number of parts and this handling is important to the quality assured so as not to cause major disruptions during the actual installation. Binar's picking system LP352 is designed specifically to meet this need. With a mounting rail that is mounted on the front edge of the shelves, concealed cables, and lamps that indicated the material that belongs to a specific sequence. The operator acknowledge that the picking is done on a sensor in the lamp itself. The order picking is speeded up, paper charts can be completely abolished, while ensuring quality.

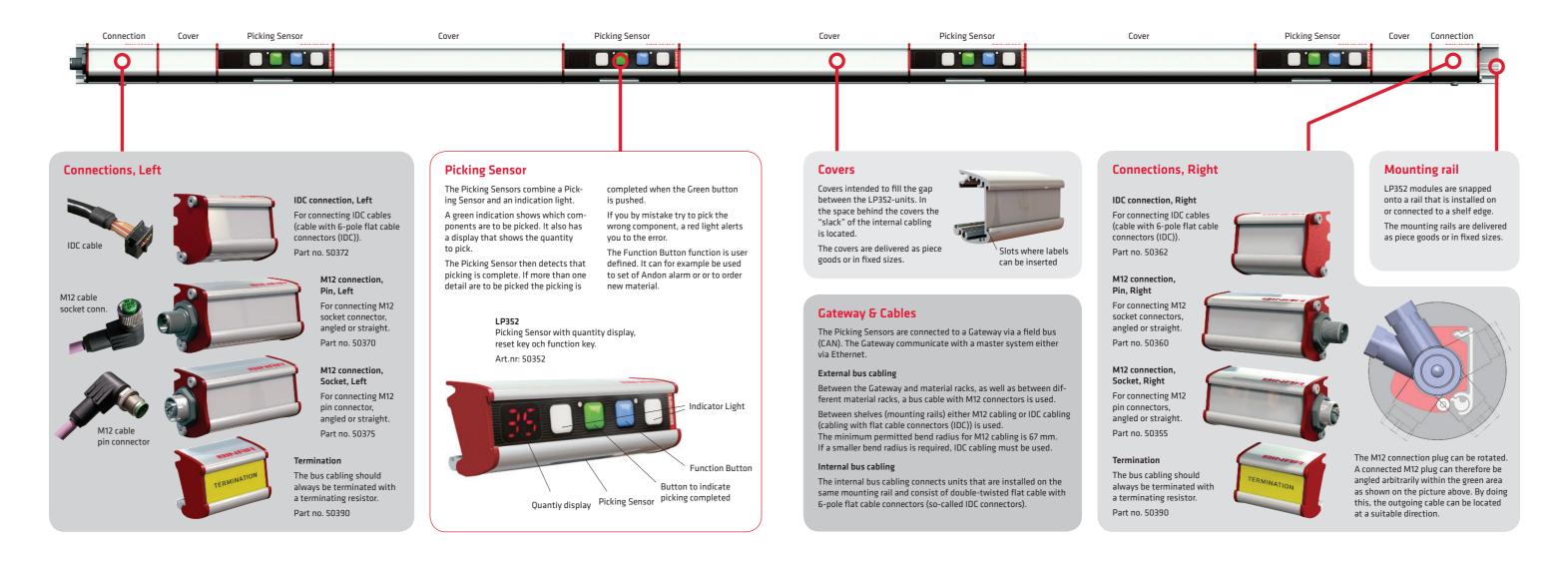
- Ensures quality in picking
- Speeds up order picking
- Touch free detection
- ▼ Can display different colors,RGB and quantity
- Only 30 mm high, which fits on most shelfs forefront
- No visible cables on the shelfs
- Can be combined with electronic instructions

### **System Overview**

The system is based on the BPS Poka Yoke software that can run visible on a panel PC or as a service on a server. To get access to the pick list or materials list per assembly station a connection can be made to the ERP. The start of order picking are often made using the barcode scanner to scan a sequence, or a recipe. The recipe contains the parts to be picked, how many of each, and what color the picking sensor will show. The system can also be used for replenishment of materials, then the lamp lights up for one item at a time, and then possibly also with a different color such as blue.

The picking sensors are mounted on a mounting rail that runs on a shelf forefront. Then a bus cable is connected between the picking sensors and the cover is mounted between the sensors. To simplify installation, the cover is available in pre cut lengths (100/200 / 300mm). The indicator light may show different colors, but the most common is the use of Green light. The picking is detected, touch- free, directly below the sensor up to about 10 cm. The sensor detects when the operator sweeping his hand over the sensor and the light goes off automatically.

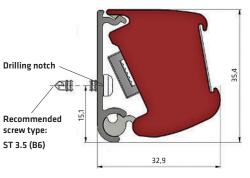
The software BPS ELIN Client also has the ability to display information on the screen. This may involve assembly instructions, drawings or other important information that is automatically presented as the operator picks new material. Contact Binar for further information.



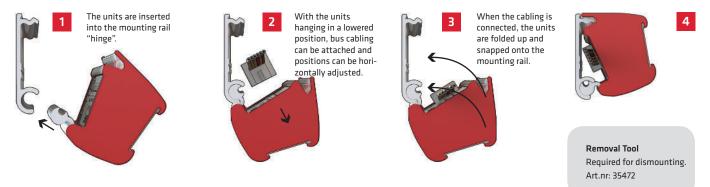


#### **TECHNICA DATA LP352**

| Indicate picking complete   | touch-free or with button                           |
|-----------------------------|---|
| Picking Sensor              | IR sensor. Sensing distance appr. 10 cm.            |
| Indication colors           | Green, Red, Yellow, Blue, White, Turquoise & Purple |
| Quantiy display             | 1-99  |
| Max. No. of Picking Sensors | about 90pcs per bus                                 |
| Dimensions                  | b100 x h35.4 x d32.9 (mounted)                      |
| Communication Gateway       | Ethernet  |

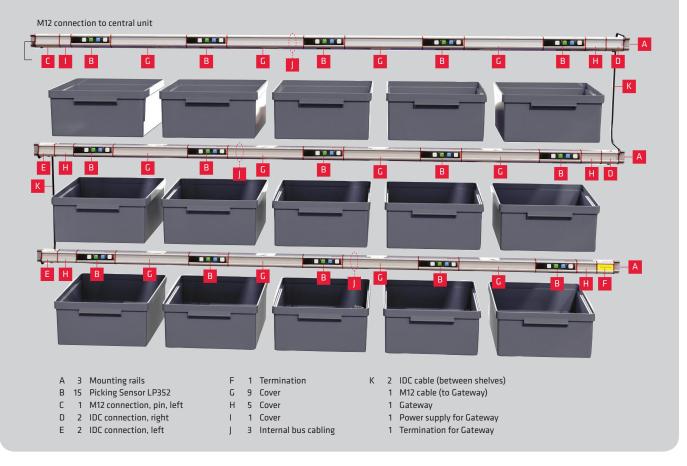


#### Quick and easy installation



#### Installation example

The picture shows a configuration for a material rack with 3pcs 1.5m wide shelves and 5 evenly distributed boxes per shelf.



#### **Binar Elektronik AB**

Box 2001 • SE-461 11 TROLLHÄTTAN • Sweden tel +46 (0)520 47 32 00 • fax +46 (0)520 47 32 10 email info@binar.se • website www.binarelektronik.se

