



# INSTRUCTIONS FOR USE

## extension supply

Type designation: **250 mm, 400 mm, 700 mm, ZS 27D, ZS 36D, ZS 45D**



### Technical description:

**Body material:** anodized aluminium with multifunctional grooves  
**Power supply:** supply cable 230 V/max. 16 A  
**Rated voltage:** 230 VAC  
**Frequency:** 50 Hz  
**Power input:** 3600 W  
**Protection:** IP 20



### Parameters of extension supplies:

Technical data of extension supplies ZS 27D, ZS 36D and ZS 45D							
Designation	Sockets	Switch	Supply cable	Cabinet holder	Plug	Dimensions D x Š x V mm	Weight kg
<b>250 mm</b>	3x230V/16A	1x230V/16A	3m	-	yes	250x73x34	0,8
<b>400 mm</b>	5x230v/16A	1x230V/16A	3m	-	yes	400x73x34	1,1
<b>700 mm</b>	9x230V/16A	1x230V/16A	3m	-	yes	700x73x34	1,7
<b>ZS 27D</b>	3x230V/16A	1x230V/16A	3m	yes	yes	504x73x34	1,2
<b>ZS 36D</b>	3x230V/16A	1x230V/10A	3m	yes	yes	657x73x34	1,4
<b>ZS 45D</b>	4x230V/16A	1x230V/16A	3m	yes	yes	810x73x34	1,7

### Technical specifications/drawings:

The pertinent technical drawings and diagrams are included in Appendix No. 1 – Wiring diagrams at the end of this manual.

## SAFETY NOTICE



### **Risk of electric shock.**

Before installation, check that the supply cable and supply are not damaged.  
Connect the supply cable to the network only if it is switched off.  
When connecting the plug to the network and handling the supply, you must always have dry hands.



### **Risk of burns**

Some parts of the electric strip may be hot, so pay increased attention.  
Avoid contact with other equipment;  
do not expose to sources of heat radiation.



**It is essential to read these instructions; observe the instructions and recommendations below.**  
**Non-observance of principles of safe use may result in electric shock, fire or death.**



- Familiarize yourself with this product, its control, operation, elements of this product and potential risks related to its improper use.
- Make sure that the product user is carefully familiarized with the control, operation, elements of this product and possible risks resulting from its use.
- Always follow the safety instructions indicated on the labels. Do not remove or damage these labels.
- Keep the control elements clean, legible, dry and without oil or grease stains.
- Do not use the extension supply for other than the intended purpose.
- Any modifications to the extension supply are forbidden. DO NOT USE it you ascertain that it is bent, cracked or damaged in any other way.
- Never perform maintenance on equipment in operation.
- If unusual noises or other unusual phenomena appear, stop using the supply immediately.
- Provide for correct maintenance of the supply. Before use, check that the extension supply is not damaged.
- Use only original spare parts for maintenance and repairs.
- Use of additional equipment or accessories not recommended by the supplier may result in injuries.
- Do not overstrain, always use both hands.
- Do not use the equipment under the influence of alcohol or drugs.
- If you suffer from giddiness, weakness or faintness, do not use the equipment.
- Children must be supervised by adult persons.

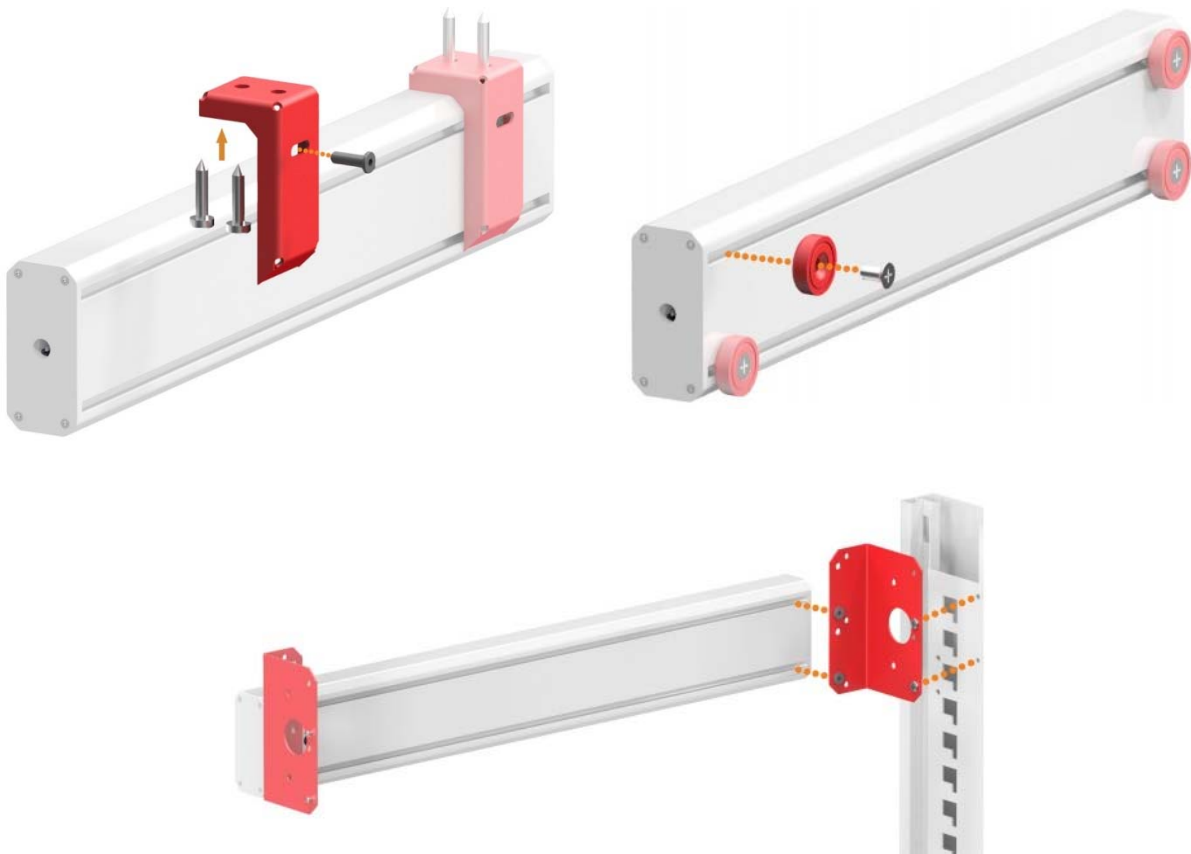
### **Use:**

The extension supplies are intended for production plants, assembly workshops, laboratories, test rooms, repair shops, training workshops or similar plants. These instructions can also be found in the virtual online consultancy POLAK SMART FURNITURE, which you can access by means of the QR code located on the product or at the web address [www.smfu.eu](http://www.smfu.eu)

Always observe the laws, regulations, directives and standards in force in the country where this electrical equipment is to be used. The extension supplies have been designed for use in interior in a dry environment with stable temperature and adequate humidity. Protect the equipment against effects of water or other liquids. Do not use it in wet environments. Do not expose it to heat sources so that it cannot heat up excessively. The components can only be repaired and replaced by a competent company or person that heeds legal regulations regarding independent work on electrical equipment.

## Installation:

Do not connect the extension supply to equipment with the sum total of power demand exceeding its permissible load. The sum total of outputs of connected devices must not exceed 3600W! Before each use, check the state of the extension supply; a damaged supply must not be used. Before connecting or disconnecting the extension supply, always check whether the devices connected to it are switched off. Disconnect it from the socket by gripping the plug, never pull the supply cable. Use the extension supply cable entirely unwound (the supply may overheat). Do not cover the extension supply with any objects. We do not recommend connecting several extension supplies to one another. Do not touch the extension supply with wet palms.



We recommend connection to a circuit with additional protection by means of an earth-leakage breaker with trip residual current of 30 mA. It is strictly forbidden to modify the design of any electrical equipment or accessories in any way. Use them in conformity with the safety instructions only. If the supply cable or a part is damaged, the equipment must be shut down and repaired. Do not use any of the products in any way other than for the intended purpose. Do not drive or walk over the product, do not stand any foreign objects on it, do not throw it, etc.

Detailed installation procedures for individual products can be found at [www.smfu.eu](http://www.smfu.eu)

**Maintenance:**

On a daily basis, focus on a visual inspection of the integrity of the extension supply and supply cables, remove dust and impurities from the supply surface, while maintaining maximum safety. Regular checks can only be executed by a competent company or person that heeds legal regulations regarding independent work on electrical equipment. Within this activity, check the state of the cables, tightening of the terminals, and remove dust and impurities, if necessary. Further, check whether any components show signs of damage or excessive warming. We recommend these checks be executed at least once a year (or according to local regulations) after commissioning.

**Product disposal:**

The product and packaging materials contain parts which can affect the environment after disposal. At the end of the product's service life, the created waste must be disposed of in conformity with the legal regulations in force. The product consists of metal and plastic parts which can be sorted and recycled separately.

**Guarantee conditions:**

The operator is obliged to follow the instructions contained in the user manual.

Their non-observance is considered a breach of the guarantee conditions. The guarantee does not cover parts worn due to normal operation.

**Declaration of conformity:**

The declaration of conformity is included in Appendix No. 2 – Declaration of Conformity.

**Manufacturer:**

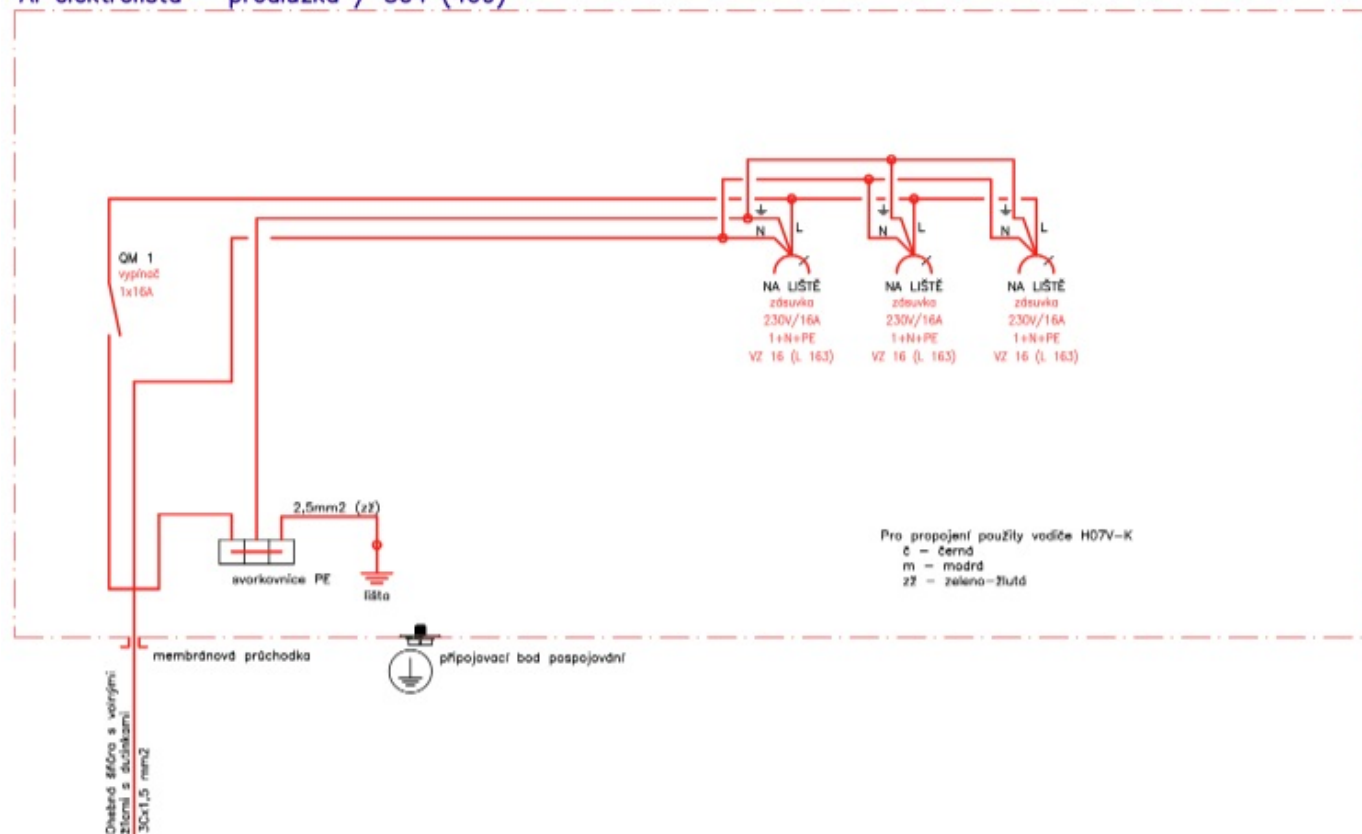
**POLAK CZ s.r.o.**  
Opatov 348, 56912 Opatov  
Czech Republic  
IČO: 27505880



## Příloha č. 1 - Schéma zapojení

# Schéma zapojení

Al elektrolišta – prodlužka / 504 (469)



## Description:

Strip type: Al electric strip – extension / 504 (496)

Strip length: 504 (496) mm

Voltage: 230V AC

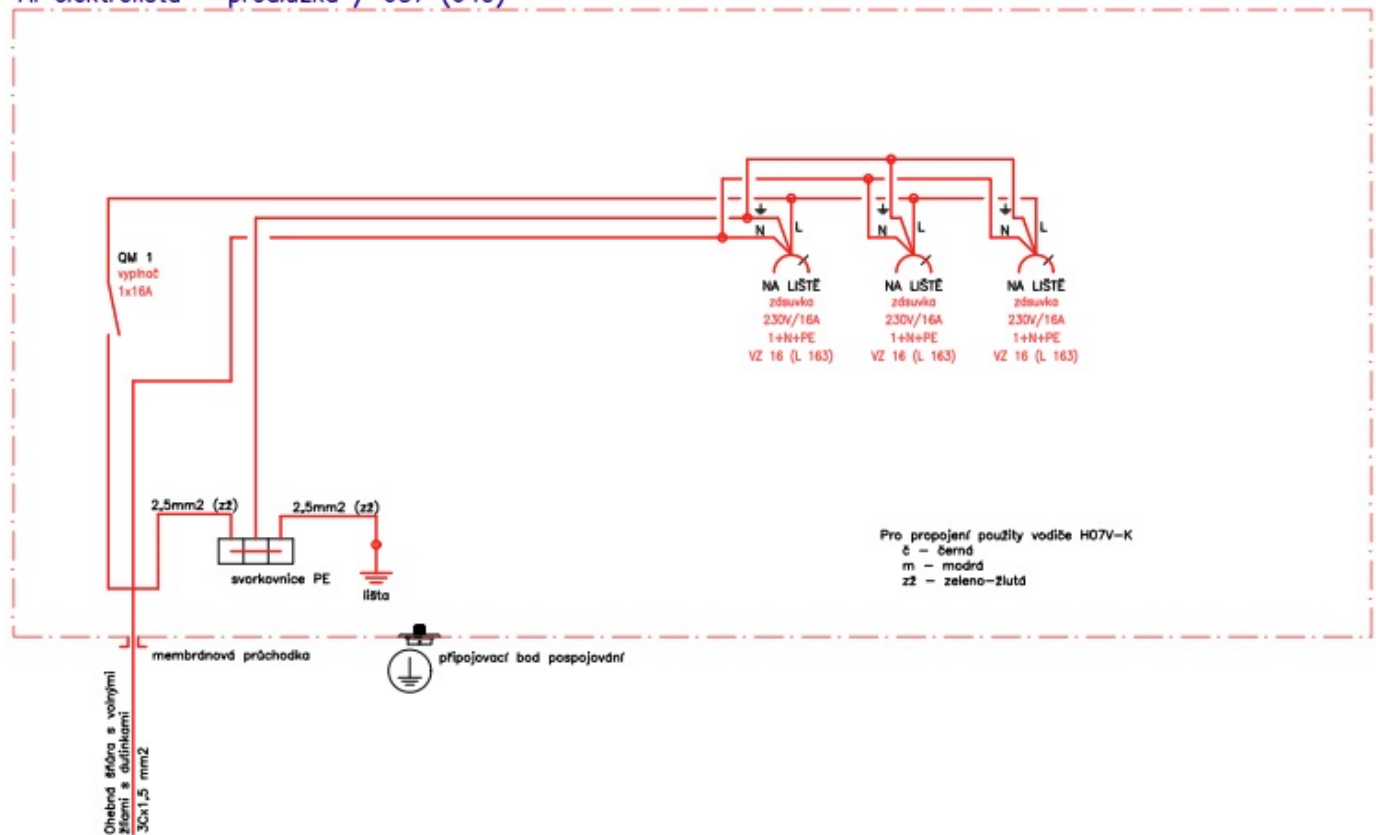
Rated current per phase: 16A

Design: aluminium strip with side Al faces

Equipment: 3x sockets 230V/16A, switch 230V/16A

# Schéma zapojení

Al elektrolišta – prodluška / 657 (649)

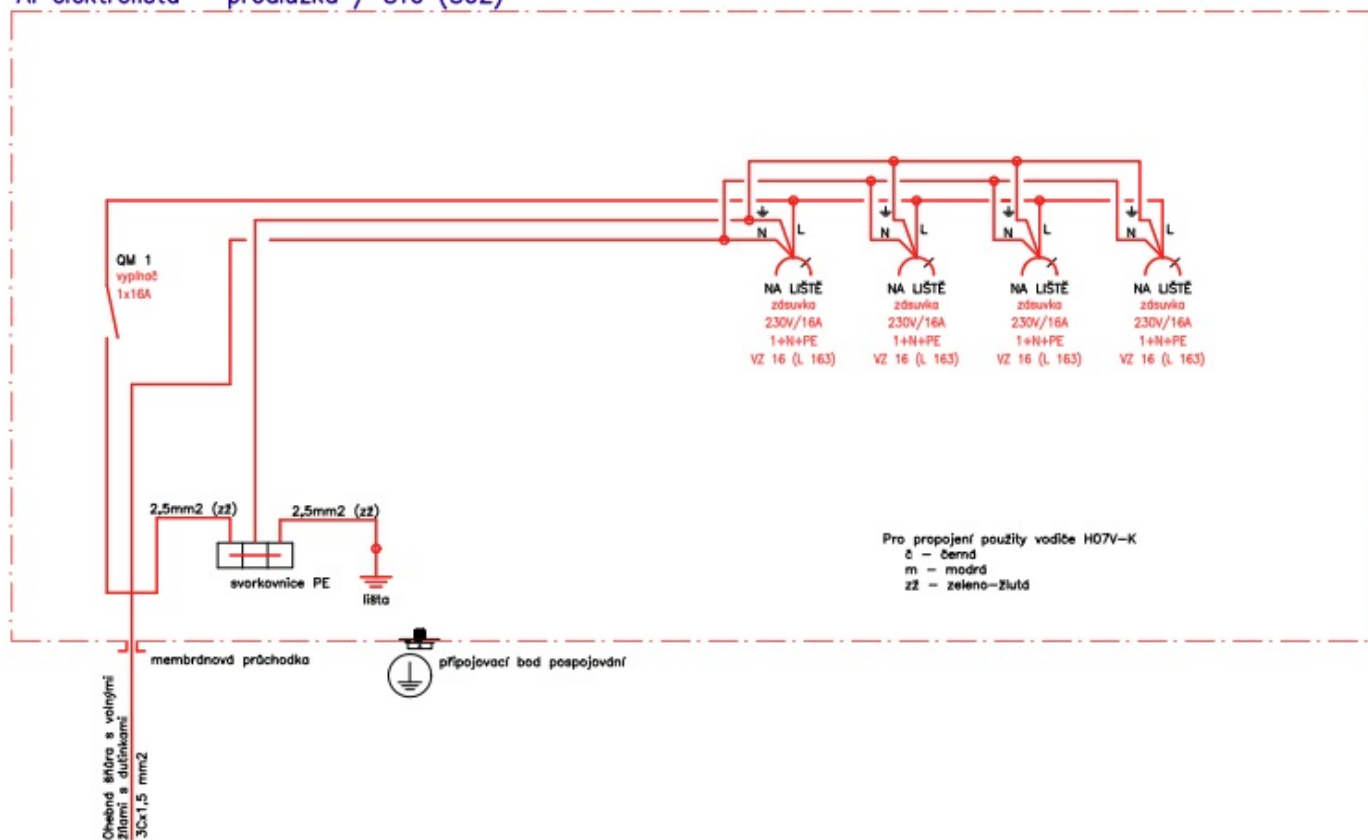


## Description:

Strip type:	Al electric strip – extension / 657 (649)
Strip length:	657 (649) mm
Voltage:	230V AC
Rated current per phase:	16A
Design:	aluminium strip with side Al faces
Equipment:	3x sockets 230V/16A, switch 230V/16A

# Schéma zapojení

## Al elektrolišta – prodlužka / 810 (802)

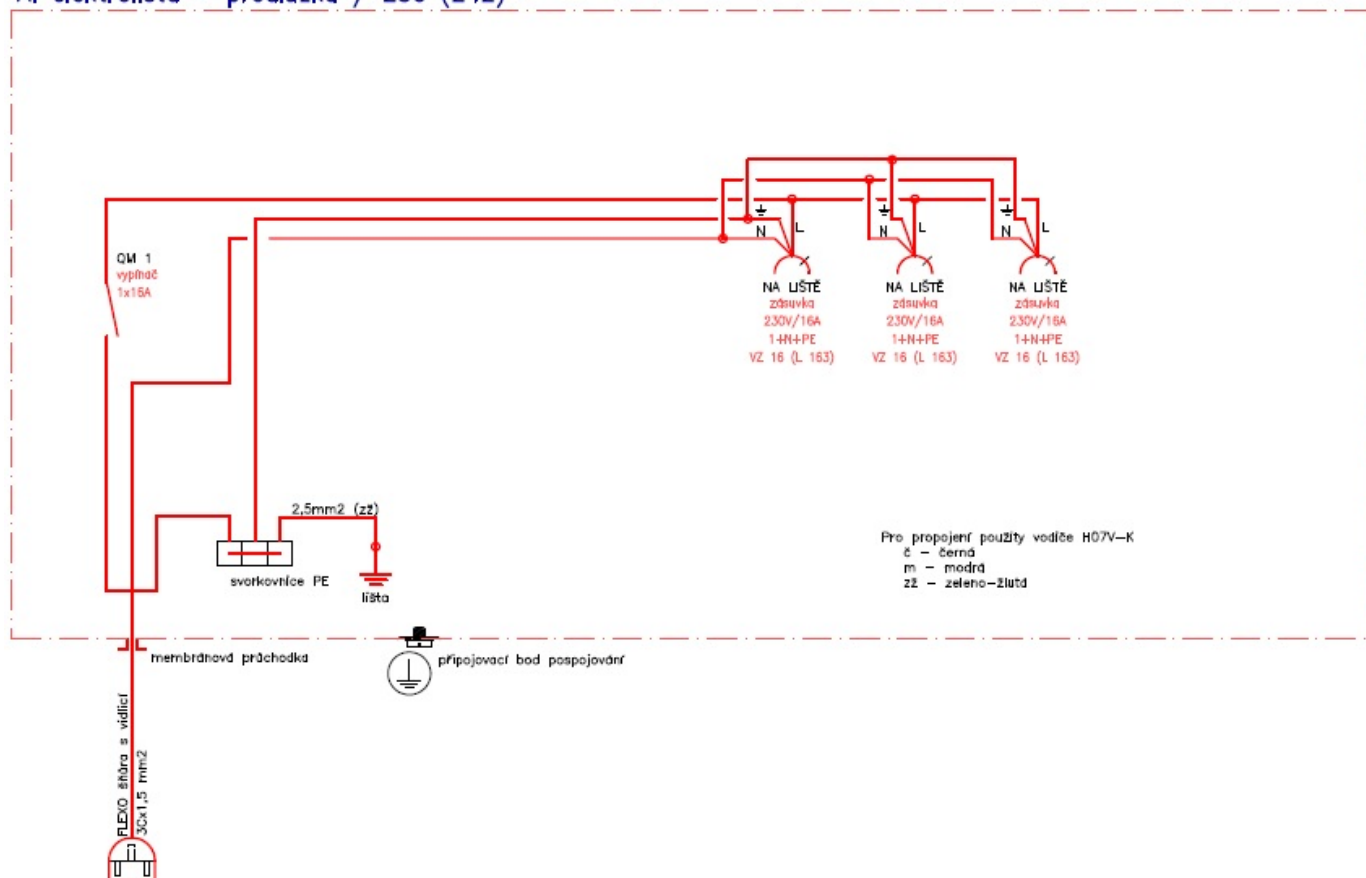


## Description:

Strip type:	Al electric strip – extension / 810 (802)
Strip length:	810 (802) mm
Voltage:	230V AC
Rated current per phase:	16A
Design:	aluminium strip with side Al faces
Equipment:	4x sockets 230V/16A, switch 230V/16A

# Schéma zapojení

## Al elektrolišta – prodlužka / 250 (242)



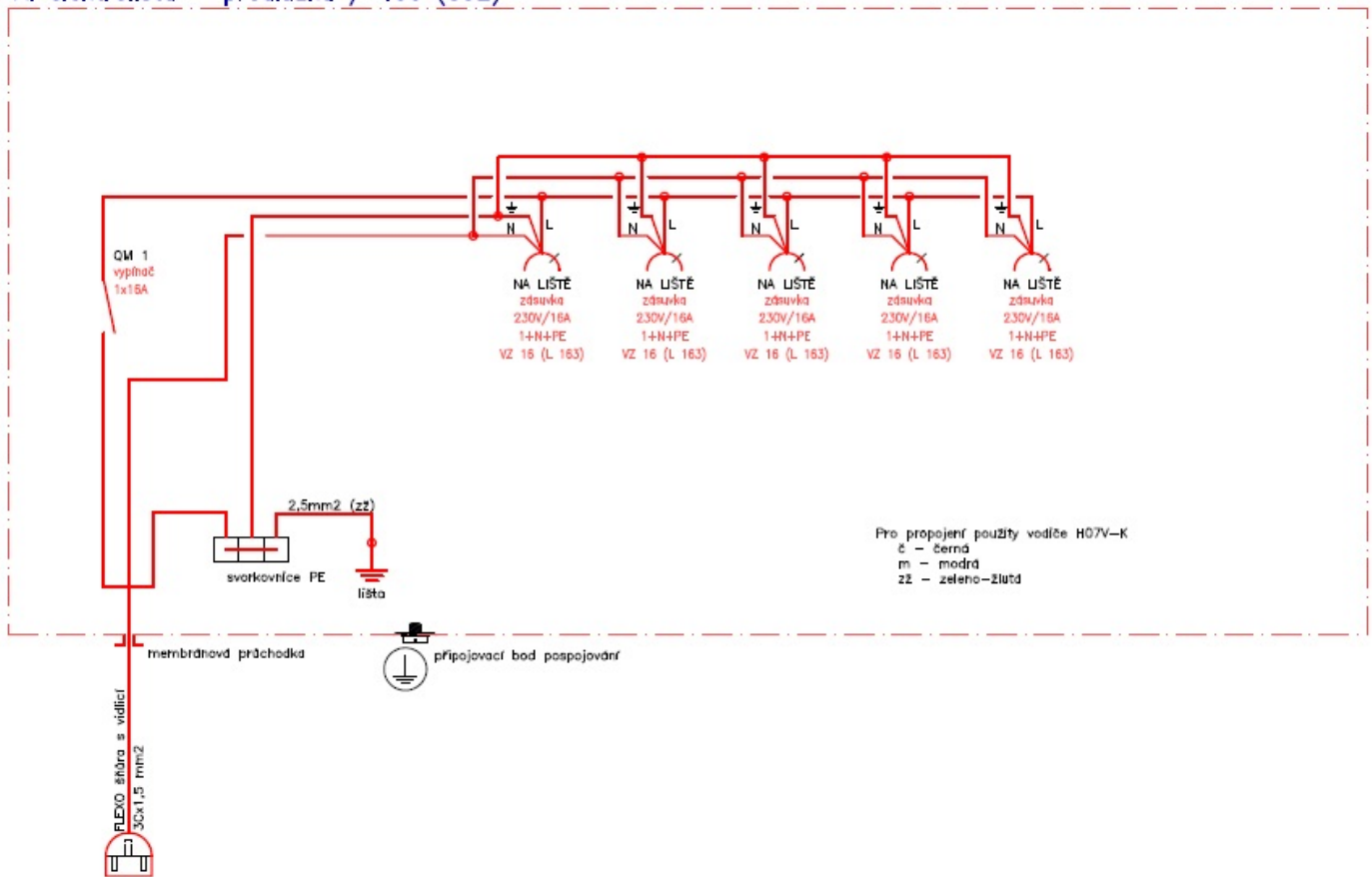
## Description:

Strip type:	Al electric strip – extension / 250 (242)
Strip length:	250 (242) mm
Voltage:	230V AC
Rated current per phase:	16A
Design:	aluminium strip with side Al faces
Equipment:	3x sockets 230V/16A, switch 230V/16A



# Schéma zapojení

## Al elektrolišta – prodlužka / 400 (392)

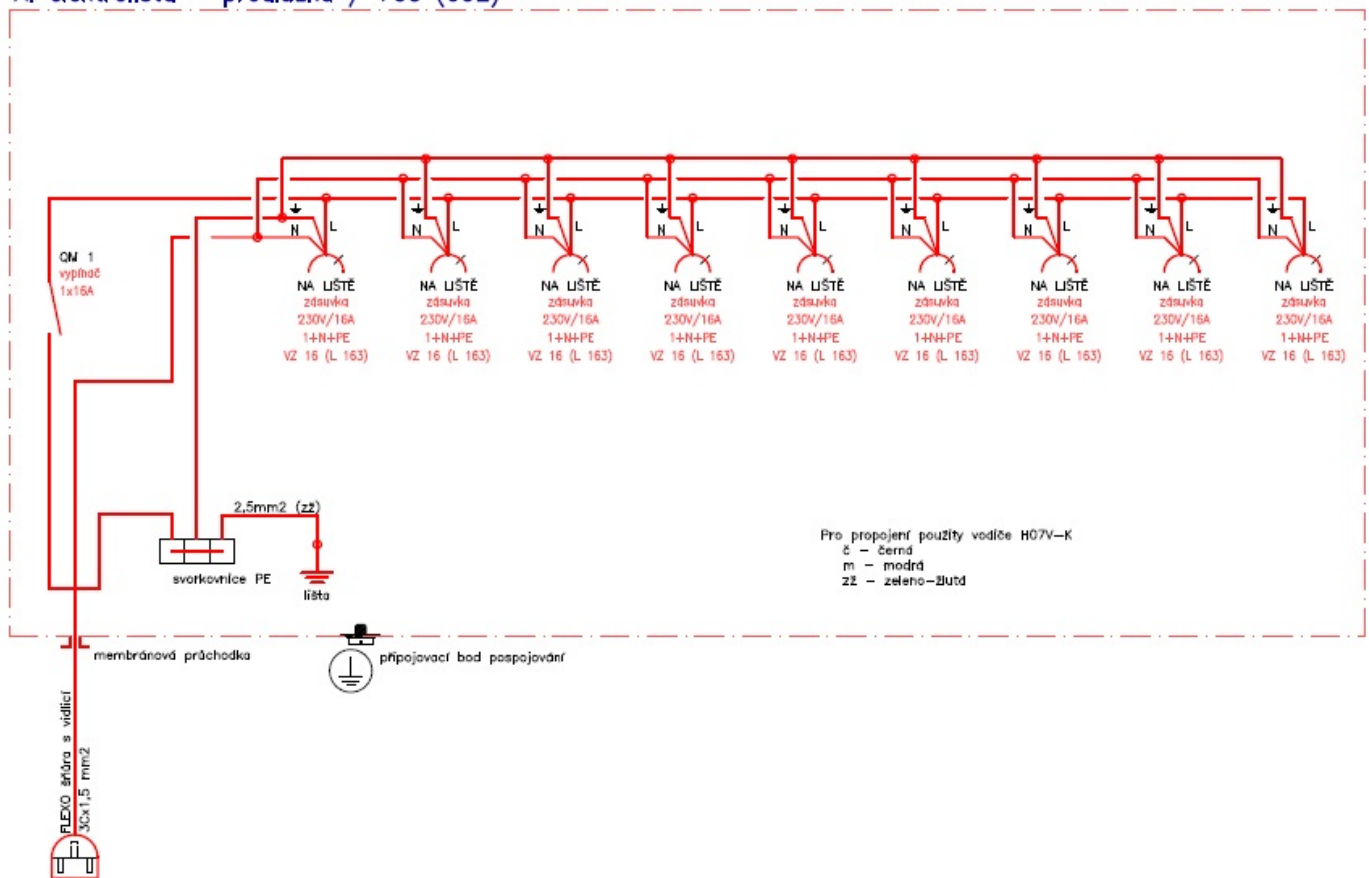


## Description:

Strip type:	Al electric strip – extension / 400 (392)
Strip length:	400 (392) mm
Voltage:	230V AC
Rated current per phase:	16A
Design:	aluminium strip with side Al faces
Equipment:	5x sockets 230V/16A, switch 230V/16A

# Schéma zapojení

## Al elektrolišta – prodlužka / 700 (692)



## Description:

Strip type: Al electric strip – extension / 700 (692)

Strip length: 700 (692) mm

Voltage: 230V AC

Rated current per phase: 16A

Design: aluminium strip with side Al faces

Equipment: 9x sockets 230V/16A, switch 230V/16A

## Appendix No. 2 – Declaration of Conformity



### EU DECLARATION OF CONFORMITY No. 2

Manufacturer: **POLAK CZ s.r.o.**  
**Opatov 348**  
**569 12 Opatov**  
**Czech Republic**  
**IČO: 27505880**

Person responsible for completion of technical documentation:

**Tomáš Dvořák**  
**Opatov 348**  
**569 12 Opatov**  
**Czech Republic**

Produkt: **Extension supplies (250 mm, 400 mm, 700 mm, ZS 27D, ZS 36D, ZS 45D)**

Year of manufacture: **2018**

Intended purpose: **Connection to electrical power network in production plants, assembly workshops, laboratories, test rooms, repair shops or similar plants.**

The equipment is in conformity with all pertinent provisions of the following regulations of the European Communities:

**Směrnice 2014/35/EU (NV 118/2016 Sb.)**

**Směrnice 2014/30/EU (NV 117/2016 Sb.)**

**Směrnice 2011/65/EU (NV 481/2012 Sb.)**

Applied standards: **ČSN EN 60335-1 ed. 2, ČSN EN 55014-1**

In Opatov **01/03/2018**

Name/function: **Petr Polák / Corporate Agent**

Signature: .....