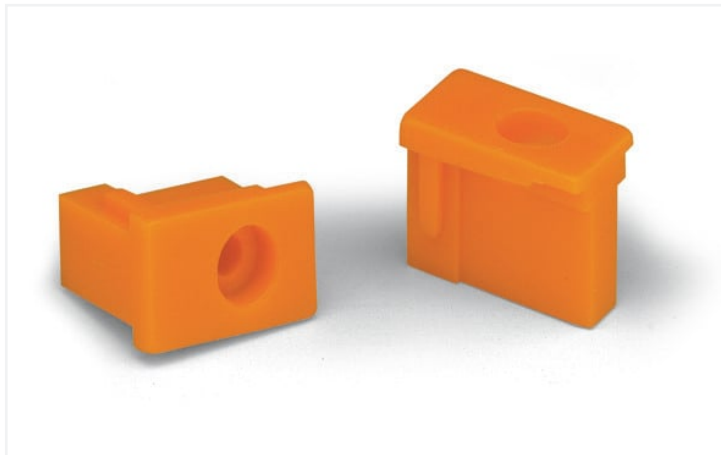


**Data Sheet | Item Number: 231-393**  
Locking device; for male connectors; 1 part; orange

<https://www.wago.com/231-393>



Color: ■ orange

### Mechanical data

Mounting type	Screw mount Panel mounting
Suitable	for angled THT male headers

### Material data

Note (material data)	<a href="https://www.wago.com/us/material-specifications">Information on material specifications can be found here</a>
Color	orange
Material group	I
Insulation material	Polyamide (PA66)
Flammability class per UL94	V0
Fire load	0.012 MJ
Weight	0.4 g

### Commercial data

Product Group	3 (Multi Conn. System)
eCl@ss 10.0	27-14-11-92
eCl@ss 9.0	27-14-11-92
ETIM 8.0	EC002848
ETIM 7.0	EC002848
PU (SPU)	100 pcs
Packaging type	Box
Country of origin	DE
GTIN	4017332119160
Customs tariff number	85389099990

### Environmental Product Compliance

RoHS Compliance Status Compliant, No Exemption

### Approvals / Certificates

#### General approvals



Approval	Standard	Certificate Name
CSA DEKRA Certification B.V.	C22.2	1466354

### Downloads

#### Environmental Product Compliance

Compliance Search
Environmental Product Compliance 231-393 <a href="#">↓</a>

### Documentation

Additional Information			
Technical Section	03.04.2019	pdf 2010.85 KB	<a href="#">↓</a>

### CAD/CAE-Data

CAD data
2D/3D Models 231-393 <a href="#">↓</a>

CAE data
ZUKEN Portal 231-393 <a href="#">↓</a>

### 1 Compatible Products

#### 1.1 Optional Accessories

##### 1.1.1 Installation

##### 1.1.1.1 Mounting accessories

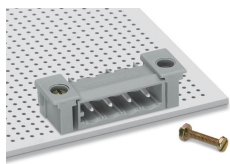


[Item No.: 231-195](#)  
Screw with nut; M2x12; for fixing element

[Item No.: 231-194](#)  
Self-tapping screw; B 2.2x13, fixing hole 1.8 mm Ø

## Installation Notes

### Installation



Locking devices enhance connection reliability between male headers with angled solder pins and the PCB. This substantially reduces mechanical stress on both solder pins and joints, particularly when dealing with small lengths and frequent mating cycles.