

# Реле безопасности типа ESM

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# SAFETY RELAY ESM



- Can be used up to category 4, PL e
- A large number of options with only a few different module types
- Various voltage ranges
- Time-delayed and non-time-delayed



## **085620**

### **ESM-2H201**

Safety relay ESM-2H.. , type IIIC evaluation unit for two-hand control

- Use up to category 4 according to EN ISO 13849-1
- Requirement level IIIC according to EN ISO 13851
- LED status indicators
- Operation by 2-hand control
- 2 redundant safety contacts
- Short-circuit and earth fault/ground fault monitoring can be selected



## **085610**

### **ESM-BA201**

Basic device ESM-BA2.., 2 safety contacts, cat. 4

- ESM-BA.. Use up to category 4 according to EN ISO 13849-1
- LED status indicators
- 1-channel or 2-channel control
- 2 redundant safety contacts

- Short circuit and earth fault/ground fault monitoring



**097226**

ESM-BA201P

Basic device ESM-BA2..., 2 safety contacts, cat. 4

- ESM-BA.. Use up to category 4 according to EN ISO 13849-1
- LED status indicators
- 1-channel or 2-channel control
- 2 redundant safety contacts
- Short circuit and earth fault/ground fault monitoring
- plug-in connection terminals



**085613**

ESM-BA301

Basic device ESM-BA3..., 3 safety contacts, 1 auxiliary contact, cat. 4

- ESM-BA.. Use up to category 4 according to EN ISO 13849-1
- LED status indicators
- 1-channel or 2-channel control
- 3 redundant safety contacts
- 1 auxiliary contact (monitoring contact)
- Short circuit and earth fault/ground fault monitoring



**097230**

ESM-BA301P

Basic device ESM-BA3..., 3 safety contacts, 1 auxiliary contact, cat. 4

- ESM-BA.. Use up to category 4 according to EN ISO 13849-1
- LED status indicators
- 1-channel or 2-channel control
- 3 redundant safety contacts
- 1 auxiliary contact (monitoring contact)
- Short circuit and earth fault/ground fault monitoring

- plug-in connection terminals



**087412**

ESM-BA302

Basic device ESM-BA3..., 3 safety contacts, 1 auxiliary contact, cat. 4

- ESM-BA.. Use up to category 4 according to EN ISO 13849-1
- LED status indicators
- 1-channel or 2-channel control
- 3 redundant safety contacts
- 1 auxiliary contact (monitoring contact)
- Short circuit and earth fault/ground fault monitoring



**087413**

ESM-BA303

Basic device ESM-BA3..., 3 safety contacts, 1 auxiliary contact, cat. 4

- ESM-BA.. Use up to category 4 according to EN ISO 13849-1
- LED status indicators
- 1-channel or 2-channel control
- 3 redundant safety contacts
- 1 auxiliary contact (monitoring contact)
- Short circuit and earth fault/ground fault monitoring



**097224**

ESM-BA701

Basic device ESM-BA7..., 7 safety contacts, 4 auxiliary contacts, 2 monitoring contacts, cat. 4

- ESM-BA.. Use up to category 4 according to EN ISO 13849-1
- LED status indicators
- 1-channel or 2-channel control
- 7 redundant safety contacts
- 4 auxiliary contacts

- 2 monitoring contacts
- Short circuit and earth fault/ground fault monitoring optional



**097225**

ESM-BA701P

Basic device ESM-BA7..., 7 safety contacts, 4 auxiliary contacts, 2 monitoring contacts, cat. 4

- ESM-BA.. Use up to category 4 according to EN ISO 13849-1
- LED status indicators
- 1-channel or 2-channel control
- 7 redundant safety contacts
- 4 auxiliary contacts
- 2 monitoring contacts
- Short circuit and earth fault/ground fault monitoring optional
- plug-in connection terminals



**090818**

ESM-BT401

Safety relay ESM-BT..., 4 safety contacts, time-delay, cat. 4

- Use up to category 4 according to EN ISO 13849-1
- LED status indicators
- 1-channel or 2-channel control
- 4 redundant safety contacts of which 3 contacts time-delayed
- Delay time range 1 s–30 s
- Short circuit and earth fault/ground fault monitoring



**090819**

ESM-BT411

Safety relay ESM-BT..., 4 safety contacts, time-delay, cat. 4

- Use up to category 4 according to EN ISO 13849-1
- LED status indicators

- 1-channel or 2-channel control
- 4 redundant safety contacts of which 2 contacts time-delayed
- Delay time range 1 s–30 s
- Short circuit and earth fault/ground fault monitoring
- 24 V DC for ESM-BT411



#### **090077**

ESM-BT411-20S

Safety relay ESM-BT..., 4 safety contacts, time-delay, cat. 4

- Use up to category 4 according to EN ISO 13849-1
- LED status indicators
- 1-channel or 2-channel control
- 4 redundant safety contacts of which 2 contacts time-delayed
- Time delay 2 s
- Short circuit and earth fault/ground fault monitoring



#### **090820**

ESM-BT421

Safety relay ESM-BT..., 4 safety contacts, time-delay, cat. 4

- Use up to category 4 according to EN ISO 13849-1
- LED status indicators
- 1-channel or 2-channel control
- 4 redundant safety contacts of which 1 contact time-delayed
- Delay time range 1 s–30 s
- Short circuit and earth fault/ground fault monitoring



#### **090094**

ESM-BT421-50S

Safety relay ESM-BT..., 4 safety contacts, time-delay, cat. 4

- Use up to category 4 according to EN ISO 13849-1
- LED status indicators

- 1-channel or 2-channel control
- 4 redundant safety contacts of which 1 contact time-delayed
- Time delay 5 s
- Short circuit and earth fault/ground fault monitoring



#### **085614**

##### **ESM-ES301**

Contact expansion ESM-ES.., 3 safety contacts, 1 auxiliary contact, cat. 4

- Use up to category 4 according to EN ISO 13849-1
- LED status indicators
- Control using safety relays
- 3 redundant safety contacts
- 1 auxiliary contact (monitoring contact)
- Earth fault/ground fault monitoring can be selected



#### **090057**

##### **ESM-ES301P**

Contact expansion ESM-ES.., 3 safety contacts, 1 auxiliary contact, cat. 4

- Use up to category 4 according to EN ISO 13849-1
- LED status indicators
- Control using safety relays
- 3 redundant safety contacts
- 1 auxiliary contact (monitoring contact)
- Earth fault/ground fault monitoring can be selected
- plug-in connection terminals



#### **085617**

##### **ESM-TE301**

Contact expansion ESM-TE.., 3 safety contacts, 1 auxiliary contact, time-delay, cat. 3

- Use up to category 3 according to EN ISO 13849-1
- LED status indicators

- Control using safety relays
- 3 redundant time-delayed safety contacts
- Delay time range 1 s–30 s
- 1 auxiliary contact
- Earth fault/ground fault monitoring can be selected



**097223**

ESM-TE301-05S

Contact expansion ESM-TE..., 3 safety contacts, 1 auxiliary contact, time-delay, cat. 3

- Use up to category 3 according to EN ISO 13849-1
- LED status indicators
- Control using safety relays
- 3 redundant time-delayed safety contacts
- Fixed time delay of 0.5 s
- 1 auxiliary contact
- Earth fault/ground fault monitoring can be selected

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