

ITEM 087443 TP4-537A024SR6

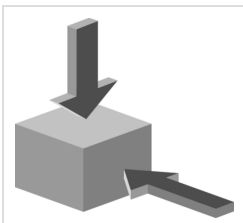
| Description | Technical data | Accessories | Downloads |
|-------------|----------------|-------------|-----------|
|-------------|----------------|-------------|-----------|



Features

- › Auxiliary release on the front
- › With door monitoring contact
- › Increased horizontal overtravel
- › Plug connector

Approach direction



- › Figure
Horizontal and vertical
Can be adjusted in 90° steps
Increased overtravel for horizontal approach direction

Solenoid operating voltage

- › AC/DC 24 V +10%, -15%

Guard locking type

TP4 Open-circuit current principle, guard locking by applying voltage to the guard locking solenoid. Release by spring force.

Switching element

537 Slow-action switching contact 1 NC ⊕ + 1 NC (door monitoring contact)

Auxiliary release

Is used for releasing the guard locking with the aid of a tool. To protect against tampering, the auxiliary release is sealed with sealing lacquer.

Approvals



Mechanical values and environment

| | |
|--|-----------------|
| Ambient temperature | -20 ... 55 °C |
| Mechanical life | 1×10^6 |
| Number of door position positively driven contacts | 1 |
| Number of NC contacts | 1 |
| Actuation frequency | 1200 1/h |
| Locking force F_{max} | 1300 N |
| Locking force F_{Zh} | 1000 N |
| Retention force | 10 N |
| Extraction force | 20 N |
| Actuating force | 10 N |

Electrical connection ratings

| | |
|--|----------------|
| Rated thermal current I_{th} | 4 A |
| Utilization category according to EN 60947-5-1 | AC-15 DC-13 |
| Rated insulation voltage U_i | 250 V |
| Rated impulse withstand voltage U_{imp} | 2,5 kV |
| Power consumption | 8 W |
| Solenoid duty cycle | 100 % |

in combination with Actuator BETAETIGER-P-GT

Mechanical values and environment

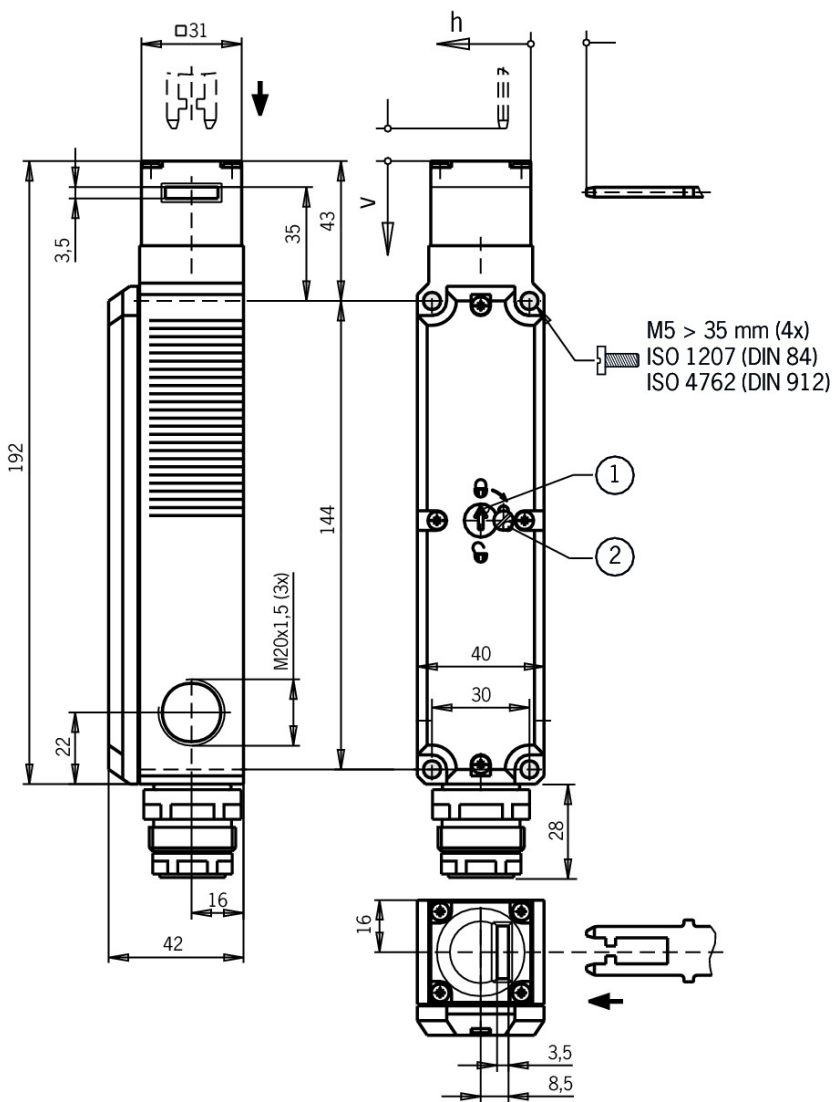
| | |
|----------------------|--------|
| Overtravel A B C D E | 2 mm |
| Overtravel K L M N | 1,5 mm |

in combination with Actuator BETAETIGER-P-GNT

Mechanical values and environment

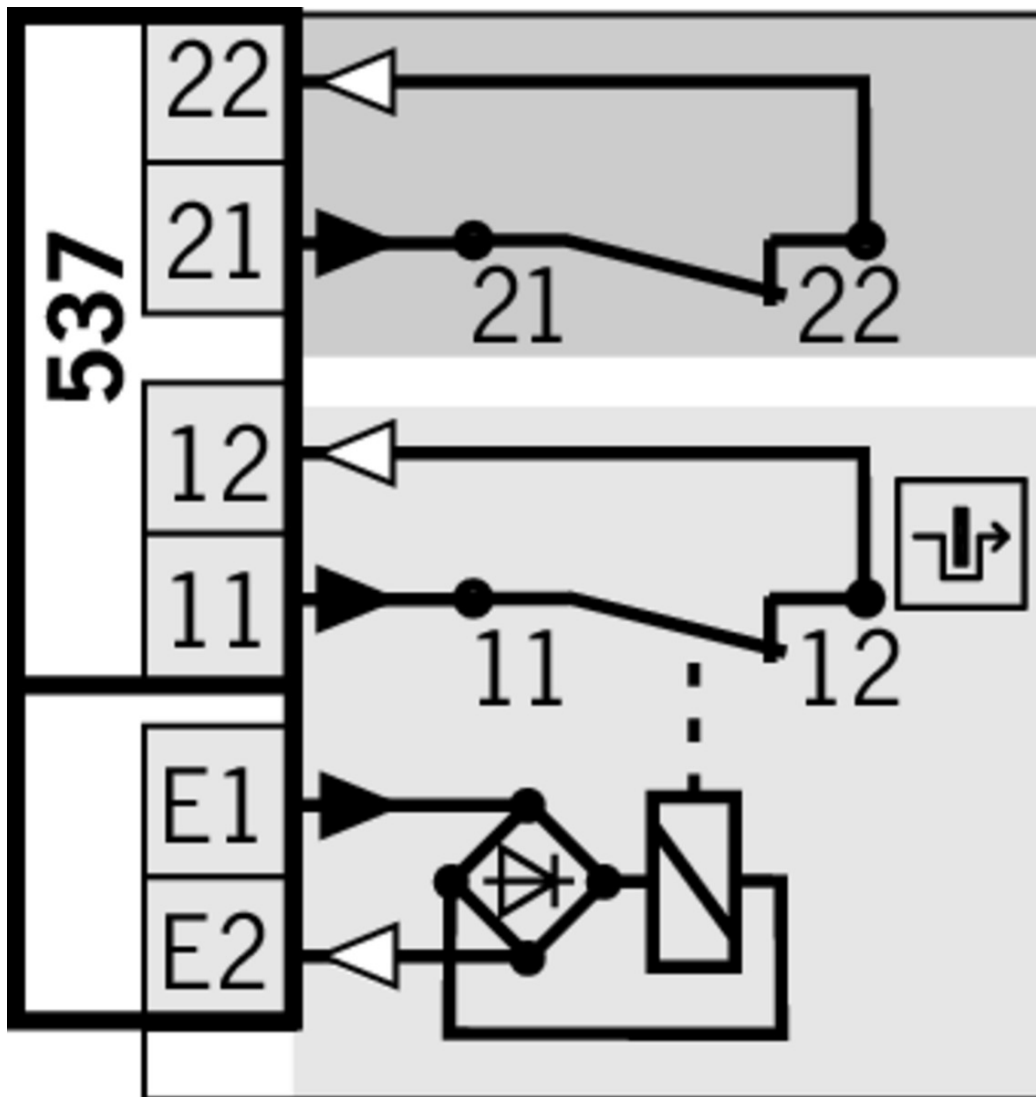
| | |
|----------------------|------|
| Overtravel A B C D E | 7 mm |
|----------------------|------|

Dimension drawing



Legende

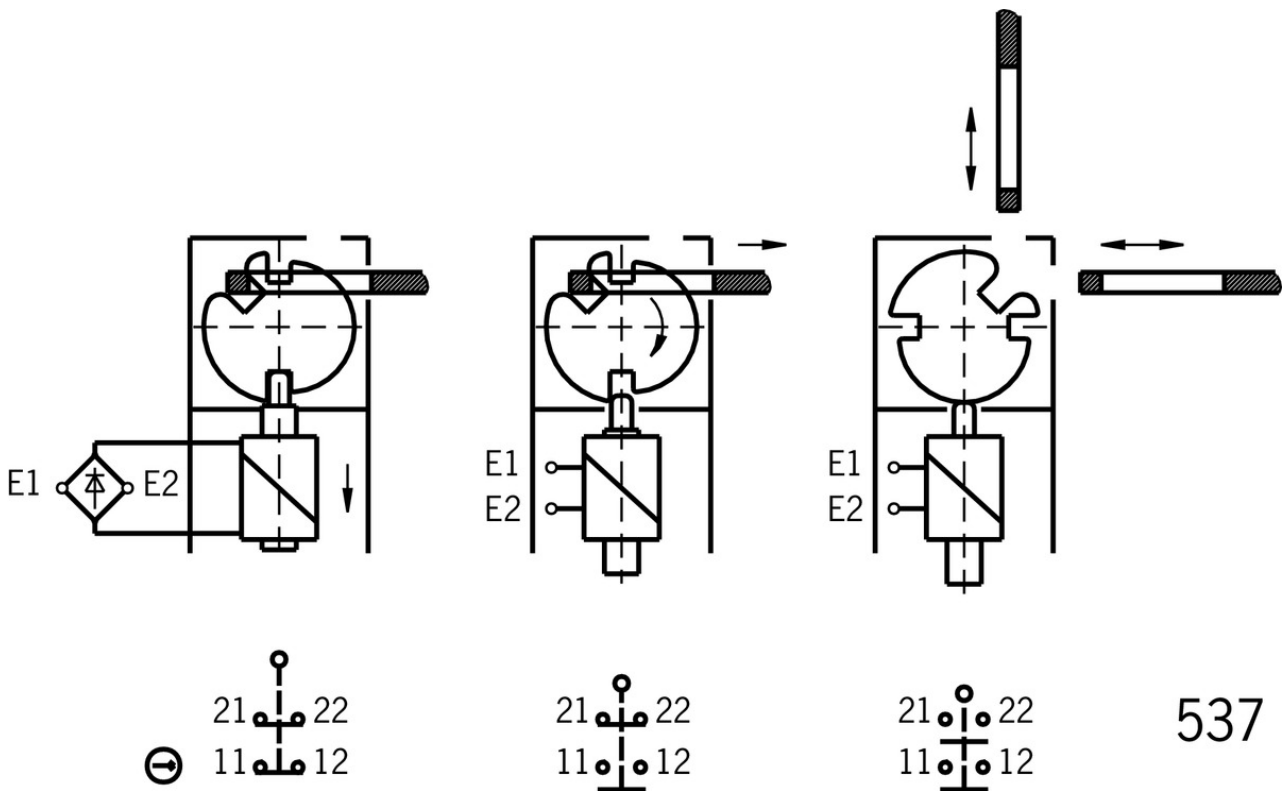
- 1 Auxiliary release
- 2 Locking screw



Legende

- Solenoid monitoring
- Door monitoring

Switching functions



Function expansion

✓ Lock for auxiliary release for safety switches CTP/TP/STP



109212 SCHLOSS TP GLEICHSCHLIESSEND C2293

✓ Features

- › Identical locking
- › Key can be removed only in “locked” position



084177 SCHLOSS TP VERSCHIEDENSCHLIESSEND

✓ Features

- › Lock unique locking
- › Key removable in “unlocked” and “locked” positions



086236 SCHLOSS TP GLEICHSCHLIESSEND

✓ Features

- › Identical locking
- › Key removable in “unlocked” and “locked” positions

✓ Emergency unlocking for safety switches CTP/TP/STP



099877 NOTENTSPERRUNG TP/STP

✓ Release with automatic reset for safety switches CTP/TP/STP



103110 ENTRIEGELUNG RUECKSTELLEND TP/STP

Wire front release



096230 AE-B-A1-02,0-096230

Features

- › Can be used as escape release or emergency unlocking
 - › No automatic return
 - › Sheath length 2 m (rope length 6 m)
-



098313 AE-B-A1-03,0-098313

Features

- › Can be used as escape release or emergency unlocking
 - › No automatic return
 - › Sheath length 3 m (rope length 6 m)
-



098314 AE-B-A1-04,0-098314

Features

- › Can be used as escape release or emergency unlocking
 - › No automatic return
 - › Sheath length 4 m (rope length 6 m)
-



097747 AE-B-A1-02,0-F-097747

Features

- › Can be used as escape release or emergency unlocking
 - › automatic return
 - › Sheath length 2 m (rope length 6 m)
-



124770 AE-B-A1-06,0-F-124770

Features

- › Can be used as escape release or emergency unlocking
 - › automatic return
 - › Rope length 6 m (without sheath)
-



125582 AE-B-A1-06,0-125582

Features

- › Can be used as escape release or emergency unlocking
 - › No automatic return
 - › Rope length 6 m (without sheath)
-



111233 AE-B-A1-03,0-F-111233

Features

- › Can be used as escape release or emergency unlocking
 - › automatic return
 - › Sheath length 3 m (rope length 6 m)
-

Handle for wire front release



099795 AY-HDL-099795

▼ Features

- › Suitable for all wire front releases

▼ Lockout bar NP/GP/TP



096105 SPERREINSATZ TP

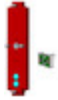
▼ Features

- › Prevents unintentional closing of the door
- › Can be secured with padlocks

▼ Latch spring for increased retention force

076501 RASTFEDER NP/TP

▼ LED set



093752 TP LED SET

▼ Features

- › LED set

▼ Built-in LED



087423 EINBAULEUCHTE LED M20X1,5



095510 EINBAULEUCHTE LED-F M20X1,5

▼ Insertion funnel for safety switches NP..A/GP/TP..A



086237 EINFUEHRTRICHTER-P

▼ Handle for escape release for safety switches TP/STP/STA



105329 FE-GRIFF

Bolt

▼ Bolt BTC-T/GP... without escape release for safety switches GP and TP



106301 BTC-T/GP-S-TH-00-X

▼ Features

- › Aluminum bolt
- › For doors hinged on the left or right

- › Can be locked in open position with padlocks
 - › Actuator included
-

▼ Bolt 0 NP/TP for safety switches NP, GP and TP



073535 RIEGEL 0 NP/TP OHNE RASTUNG

▼ Features

- › Steel bolt
 - › For doors hinged on the left or right
 - › Can be locked in open position with padlocks
 - › Actuator included
-

▼ Bolt 1 NP/TP for safety switches NP, GP and TP



073536 RIEGEL 1 NP/TP 1X RASTUNG ZU

▼ Features

- › Steel bolt
 - › For doors hinged on the left or right
 - › Can be locked in open position with padlocks
 - › Actuator included
 - › Detent mechanism closed position
-

▼ Bolt TP/GP... for safety switches GP and TP



084430 RIEGEL TP-A

▼ Features

- › Steel bolt
 - › For doors hinged on the right
 - › Can be locked in open position with padlocks
 - › Actuator included
-



084432 RIEGEL TP-C

▼ Features

- › Steel bolt
 - › For doors hinged on the left
 - › Can be locked in open position with padlocks
 - › Actuator included
-

▼ Bolt TP-GFK for safety switches TP and GP



096616 RIEGEL TP-GFK

▼ Features

- › Fiber glass reinforced plastic bolt
 - › For doors hinged on the left or right
 - › Can be locked in open position with padlocks
 - › Actuator included
-

Mounting accessories

▼ Mounting plates EMP-B2 for actuators for safety switches CTP, TP...A, STA, STP, TX and TZ



093458 EMP-B2

- ▼ Mounting plates EMP-SB for safety switches CTP, TP...A, STA, STP and TX



093456 EMP-SB

- ▼ Features

- › For vertical and horizontal mounting of safety switches TP...A, STA, STP and TX

- ▼ Mounting plates EMP-B1 for actuators for safety switches CTP, TP...A, STA, STP, TX and TZ



093457 EMP-B1

- ▼ Safety screws M5 x 25

073457 M5X25/V100

- ▼ Features

- › Safety screws M5 x 25
- › Packaging unit 100 pieces

- ▼ Safety screws for actuators, M5 x 10

073455 M5X10-NIRO/V100 NZ/TZ

- ▼ Features

- › Safety screws M5 x 10
- › Packaging unit 100 pieces

- ▼ Safety screws for safety switches M4 x 14, large head

086232 M4X14-NIRO/V100

- ▼ Features

- › Safety screws M4 x 14 (large head)
- › Packaging unit 100 pieces

- ▼ Switch bracket for bolt NP/TP



073539 SCHALTERAUFNAHME TP

- ▼ Features

- › Switch bracket made of steel
- › For doors hinged on the left or right

- ▼ Switch bracket TP/STP GFK



096613 SCHALTERAUFNAHME TP/STP GFK

- ▼ Features

- › Switch bracket made of fiber glass reinforced plastic
- › For left or right hinged doors

Actuator

- ✓ Hinged actuator left/right for safety switches NP/GP/TP, increased overtravel



074573 RADIUSBETAETIGER-P-LRN

✓ Features

- › Actuators made of stainless steel
- › Two stainless safety screws per actuator
- › For doors hinged on right and left

-
- ✓ Hinged actuator left/right for safety switches NP/GP/TP



059440 RADIUSBETAETIGER-P-LR

✓ Features

- › Actuators made of stainless steel
- › Two stainless safety screws per actuator
- › For doors hinged on right and left

-
- ✓ Hinged actuator top/bottom for safety switches NP/GP/TP, increased overtravel



074572 RADIUSBETAETIGER-P-OUN

✓ Features

- › Actuators made of stainless steel
- › Two stainless safety screws per actuator
- › For doors hinged at top and bottom

-
- ✓ Actuators for safety switches NP/GP/TP, increased overtravel



074570 BETAETIGER-P-GN

✓ Features

- › Actuators made of stainless steel
- › Two stainless safety screws per actuator



074576 BETAETIGER-P-GNT

✓ Features

- › Actuators made of stainless steel
- › Two stainless safety screws per actuator
- › Actuators with rubber bushings

-
- ✓ Bent actuator for safety switches NP/GP/TP, increased overtravel



074571 BETAETIGER-P-WN

✓ Features

- › Actuators made of stainless steel
- › Two stainless safety screws per actuator

074577 BETAETIGER-P-WNT

✓ Features



- › Actuators made of stainless steel
- › Two stainless safety screws per actuator
- › Actuators with rubber bushings

▼ Actuators for safety switches NP/GP/TP



070046 BETAETIGER-P-GT

▼ Features

- › Actuators made of stainless steel
- › Two stainless safety screws per actuator
- › Actuators with rubber bushings



059226 BETAETIGER-P-G

▼ Features

- › Actuators made of stainless steel
- › Two stainless safety screws per actuator

▼ Bent actuator for safety switches NP/GP/TP



070038 BETAETIGER-P-WT

▼ Features

- › Actuators made of stainless steel
- › Two stainless safety screws per actuator
- › Actuators with rubber bushings



059227 BETAETIGER-P-W

▼ Features

- › Actuators made of stainless steel
- › Two stainless safety screws per actuator

▼ Hinged actuator top/bottom for safety switches NP/GP/TP



070050 RADIUSBETAETIGER-P-OU

▼ Features

- › Actuators made of stainless steel
- › Two stainless safety screws per actuator
- › For doors hinged at top and bottom

Connection material

▼ Plug connector SR6



013176 SR6EF

▼ Features

- › Crimp contacts
- › Coding shells

024999 SR6WFPG11R

▼ Features



- › Socket crimp contacts
- › 6-pin+PE
- › Contact carrier can be adjusted in 7 outlet directions

013178 SR6K**✓** Features

- › Coding for plug connector SR6
- › Coding shells

087180 SR6AM2-M20**✓** Features

- › Crimp contacts
- › Male socket

✓ Connection cable with plug connector SR6, 5m**077632 C-M26F07-07X1,0PU05,0-MA-077632****✓** Features

- › Female plug SR6, 6-pin + PE
- › Straight plug connector
- › PUR cable
- › Cable length 5 m
- › With flying lead

✓ Connection cable with plug connector SR6, 10m**077633 C-M26F07-07X1,0PU10,0-MA-077633****✓** Features

- › Female plug SR6, 6-pin + PE
- › Straight plug connector
- › PUR cable
- › Cable length 10 m
- › With flying lead

✓ Connection cable with plug connector SR6, 15m**077634 C-M26F07-07X1,0PU15,0-MA-077634****✓** Features

- › Female plug SR6, 6-pin + PE
- › Straight plug connector
- › PUR cable
- › Cable length 15 m
- › With flying lead






✓ Connection cable with plug connector SR6, 20m**098128 C-M26F07-07X1,0PU20,0-MA-098128****✓** Features

- › Female plug SR6, 6-pin + PE
- › Straight plug connector
- › PUR cable

- › Cable length 20 m
- › With flying lead

Instructions

▼ Návod k použití Bezpečnostní spínač TP...

| | Doc. no. | Version | Language | Download |
|---|----------|----------|--|--|
| Betriebsanleitung Sicherheitsschalter TP... Manual de instrucciones Interruptores de seguridad TP... Mode d'emploi pour les interrupteurs de sécurité TP... Operating Instructions Safety Switches TP... | 2084123 | 15-12/17 |     |  5.7 MB |
| Návod k použití Bezpečnostní spínač TP... | 2084123 | 15-12/17 |  |  1.5 MB |
| Driftsvejledning for sikkerhedsafbryder TP... | 2084123 | 15-12/17 |  |  1.5 MB |
| Manual de instruções Chave de segurança TP... | 2084123 | 15-12/17 |  |  1.5 MB |
| Istruzioni di impiego dei finecorsa di sicurezza TP... | 2084123 | 15-12/17 |  |  1.5 MB |







Catalogs











▼ Bezpečnostní spínače s plastovým pouzdrém Sicherheitsschalter mit Kunststoffgehäuse Safety Switches with Plastic Housing Interruptores de seguridad con carcasa plástica Interrupteurs de sécurité avec boîtier plastique 塑料壳体 的安全开关

| | Doc. no. | Version | Language | Download |
|--|----------|----------|---|--|
| Sicherheitsschalter mit Kunststoffgehäuse | 096955 | 11-03/18 |  |  6.6 MB |
| Interrupteurs de sécurité avec boîtier plastique | 100677 | 11-03/18 |  |  6.6 MB |
| Interruptores de seguridad con carcasa plástica | 104855 | 11-03/18 |  |  6.6 MB |
| Bezpečnostní spínače s plastovým pouzdrém | 121649 | 11-03/18 |  |  6.6 MB |
| Safety Switches with Plastic Housing | 096956 | 11-03/18 |  |  6.6 MB |
| 塑料壳体 的安全开关 | 116243 | 11-03/18 |  |  6.2 MB |

Declaration of conformity

▼ EU prohlášení o shodě

| | Doc. no. | Version | Language | Download |
|--|----------|----------|---|--|
| EU-Konformitätserklärung Declaración UE de conformidad Déclaration UE de conformité Dichiarazione di conformità EU declaration of conformity | 2077153 | 25-02/17 |      |  0.3 MB |

| | | | | |
|---------------------------------|---------|----------|---|---|
| EU prohlášení o shodě | 2077153 | 25-02/17 |  |  0.5 MB |
| EU-overensstemmelseserklæring | | |  | |
| Δήλωση συμμόρφωσης της ΕΕ | | |  | |
| EU-vaatimustenmukaisuusvakuutus | | |  | |
| EU-típusbizonyítvány | | |  | |
| EU-conformiteitsverklaring | | |  | |
| Deklaracja zgodności UE | | |  | |
| Declaração de Conformidade UE | | |  | |
| Declarația de conformitate UE | | |  | |
| EÚ vyhlásenie o zhode | | |  | |

CAD data

CAD data for this item on TraceParts