

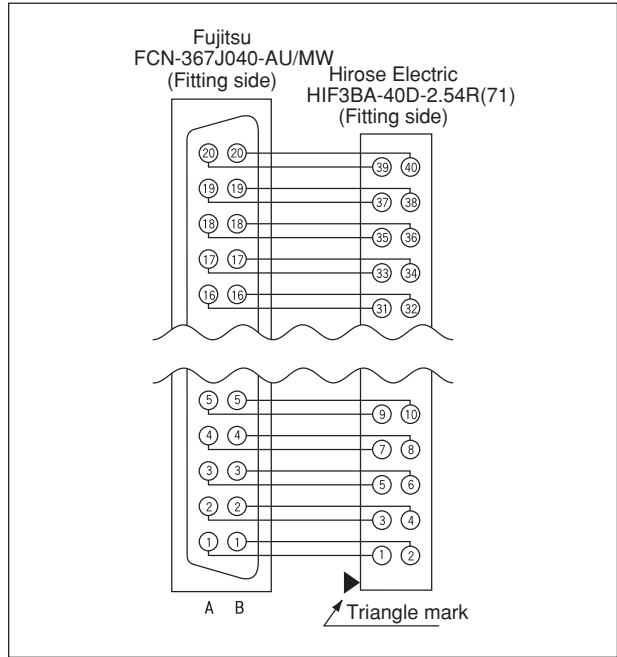
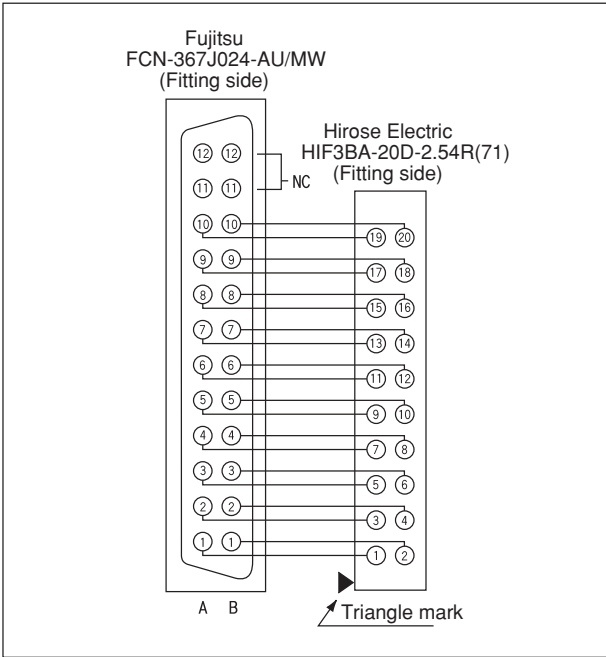
Short-bar

Jumper convenient for common wiring. Adjacent pin of the terminal block can be connected with a copper bar to make the terminal common. Use this for the applicable model.

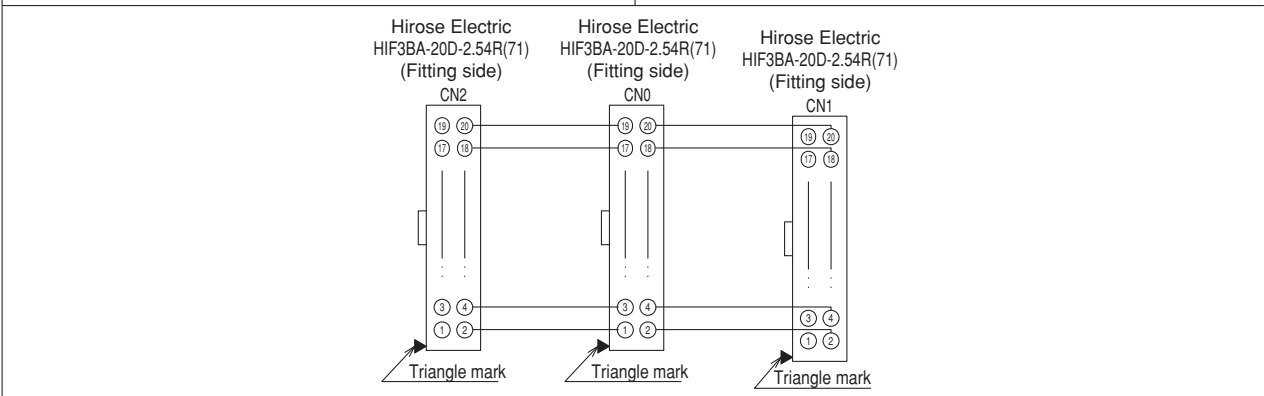
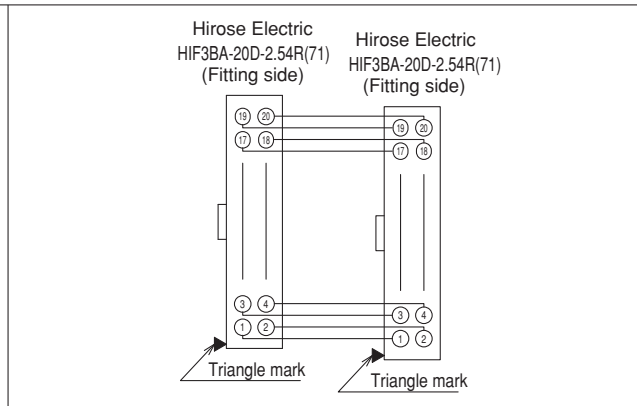
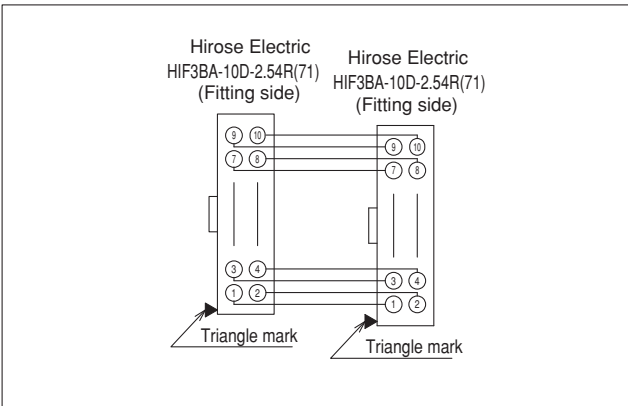
| Part name | Applicable model | No. of pins | Covering color | Type name | Number of contents | General mass per 1 piece (g) |
|-----------|---|-------------|----------------|-------------------|--------------------|------------------------------|
| Short-bar | TIFA7-S, TIFA7, TIFB7, TIFC7, TIFA7Y-S, TIFA7Y, TIFB7Y TIF7 | 2 pins | Black | JTJ 020 BB | 50 pieces | 0.5 |
| | | | Yellow | JTJ 020 BY | 50 pieces | 0.5 |
| | | 3 pins | Black | JTJ 030 BB | 50 pieces | 0.9 |
| | | | Yellow | JTJ 030 BY | 50 pieces | 0.9 |

Wiring diagram

(Standard cable)



(Branching cable)



Interface Terminal Block Accessory

Dedicated connection cable (TICA series)



Connecting cable for interface terminal block is available. The standard is 20P and 40P suitable for PLC. Other number of pins may be manufactured. Cable with other manufacturer's connector can also be manufactured. For non-standard parts, please specify the connector and the cable length for your order.

■ Specification/ Rate

| | |
|---------------------|---------------------------------|
| Rated voltage | 125V |
| Rated current | 1A |
| Ambient temperature | -20~80°C |
| Used wire | PVC multi-conductor cable AWG28 |

■ Standard cable

| No. of pins | Cable length | Type name | General mass (g) |
|---------------|--------------|----------------|------------------|
| 20 (AWG28) | 0.5m | TICA 20 MHF 05 | 65 |
| | 1m | TICA 20 MHF 10 | 125 |
| | 1.5m | TICA 20 MHF 15 | 185 |
| | 2m | TICA 20 MHF 20 | 245 |
| | 3m | TICA 20 MHF 30 | 365 |
| | 5m | TICA 20 MHF 50 | 605 |
| 40 (AWG28) | 0.5m | TICA 40 MHF 05 | 156 |
| | 1m | TICA 40 MHF 10 | 216 |
| | 1.5m | TICA 40 MHF 15 | 276 |
| | 2m | TICA 40 MHF 20 | 336 |
| | 3m | TICA 40 MHF 30 | 456 |
| | 5m | TICA 40 MHF 50 | 696 |

■ Branching cable

| No. of pins | Cable length | Type name | General mass (g) |
|---------------|--------------|--------------------|------------------|
| 10 (AWG28) | 0.5m | TICA 10 MHMH 05 | 36 |
| | 1m | TICA 10 MHMH 10 | 68 |
| | 1.5m | TICA 10 MHMH 15 | 100 |
| | 2m | TICA 10 MHMH 20 | 132 |
| | 3m | TICA 10 MHMH 30 | 196 |
| | 5m | TICA 10 MHMH 50 | 324 |
| 20 (AWG28) | 0.5m | TICA 20 MHMH 05 | 60 |
| | 1m | TICA 20 MHMH 10 | 120 |
| | 1.5m | TICA 20 MHMH 15 | 180 |
| | 2m | TICA 20 MHMH 20 | 240 |
| | 3m | TICA 20 MHMH 30 | 360 |
| | 5m | TICA 20 MHMH 50 | 600 |
| 20 (AWG28) | 0.5m | TICA 20 MHMH 05 TE | 75 |
| | 1m | TICA 20 MHMH 10 TE | 140 |
| | 1.5m | TICA 20 MHMH 15 TE | 204 |
| | 2m | TICA 20 MHMH 20 TE | 333 |
| | 3m | TICA 20 MHMH 30 TE | 398 |
| | 5m | TICA 20 MHMH 50 TE | 656 |

■ Standard cable specification

| Dedicated cable type name | Connector used ^{Note 1} | | No. of I/O | Applicable PLC | | Applicable terminal block type name |
|---------------------------|----------------------------------|---|---|---------------------|-----------------|-------------------------------------|
| | PLC side | Terminal block side | | Manufacturer | Series | |
| TICA 20 MHF □ | Fujitsu FCN367J024-AU/MW | Hirose Electric HIF3BA-20D-2.54R(71) | For 16 points (for 32 points) ^{Note 2} | Omron | C200H series | TIFA 720 MHS |
| | | | | Mitsubishi Electric | MELSEC-A series | TIFA 820 MH |
| | | | | Toshiba | T2,T3 series | TIFB 720 MH |
| TICA 40 MHF □ | Fujitsu FCN367J040-AU/MW | Hirose Electric HIF3BA-40D-2.54R(71) | For 32 points (for 64 points) ^{Note 3} | Omron | C200H series | TIFA 740 MHS |
| | | | | | CV500 series | TIFA 840 MH |
| | | | | | CQM1 series | TIFB 740 MH |
| | | | | Mitsubishi Electric | MELSEC-A series | TIFS 340 MH |
| | | | | Yokogawa Electric | FA-M3 series | TIFZS 340 MHM1 |
| | | | | Fuji Electric | MICREX-F series | TIFZS 340 MHR1 |
| Toshiba | T2,T3 series | TIFZS 340 MHR3 | | | | |
| | | TIFZ 740 MHM1 | | | | |
| | | TIFZ 740 MHM2 | | | | |
| | | TIFZ 740 MHR1 | | | | |
| | | TIFZ 740 MHR3 | | | | |

Notes:

1. Cable with connector other than manufacturers above may be manufactured. (Product built to order)
2. For product with two 16-point connectors of PLC for 32 points, two each of interface terminal blocks and dedicated connecting cables are required.
3. For product with two 32-point connectors of PLC for 64 points, two each of interface terminal blocks and dedicated connecting cables are required.

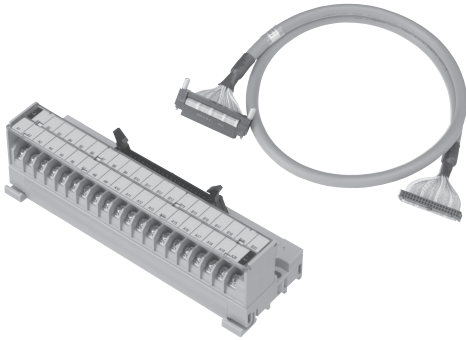
■ Specification of branch cable

| Type name of branch cable | Used socket | Applicable connector branch unit | Applicable branch unit |
|--|---|--|------------------------|
| TICA 10 MHMH □ | Hirose Electric HIF3BA-10D-2.54R(71)×2 | TIFE16MH102W TIFE40MH104W | TIFE8MHS |
| TICA 20 MHMH □ | Hirose Electric HIF3BA-20D-2.54R(71)×2 | TIFE16MH201W TIFE16MHNR201W TIFE40MH202W | TIFE16MH |
| TICA 20 MHMH □TE (One side two-way) | Hirose Electric HIF3BA-20D-2.54R(71)×3 | TIFE16MH201W TIFE16MHNR201W TIFE40MH202W | TIFE8MH |

□ : Cable length
 05 : 0.5m, 10 : 1m,
 15 : 1.5m, 20 : 2m,
 30 : 3m, 50 : 5m

Line-up
 Clutch Lock
 Terminal Blocks
 PLC Interface
 Terminal Blocks
 Rail Type
 Terminal Blocks
 Assembly
 Terminal Blocks
 Special Purpose
 Terminal Blocks
 Terminal Block Accessories

Interface terminal block cable set



It is a set of interface terminal block and dedicated connecting cable. 40P models that are compatible with popular PLCs on the market are available. The cable length can be selected from 6 sizes (0.5 m, 1 m, 1.5 m, 2 m, 3 m, 5 m). Purchase of the set can save your money.

| | | | |
|--------------------|---|--|-----------------------------|
| Series | TIFA7-S series TIFA7Y-S series TIFB7 series TIFB7Y series TIFZ7 series TIFZ7Y series | TIFY series | TIFS series TIFZS series |
| Specification | | | |
| Applicable wire | 1.25mm ² max. | AWG22 to 14 | AWG24 to 16 |
| Terminal structure | Screw type (M3) | Clutch lock type (Only for crimp contact) | Clutch lock type |

List of products

(1/2)

| Applicable PLC Manufacturer/series | Interface terminal block type name | Cable length | Cable type name | Set product type name |
|---|------------------------------------|--------------|------------------|-----------------------|
| Mitsubishi Electric/MELSEC-Q series MELSEC-A series Omron/CQM1H series C200H series CV series CS1W series ^{Note} CJ1 series ^{Note} Yokogawa Electric/FA-M3 series Sharp/JW20H, 30H series JW50H, 70H100 series Hitachi/EH-150 series H8Q series Fuji Electric/SPH series F55 series F70 series F120 series Toshiba/V series (C2PU35) T2, T3 series | TIFA 740MHS | 0.5m | TICA40MHF05 | TIA 740S HF 05 |
| | | 1m | TICA40MHF10 | TIA 740S HF 10 |
| | | 1.5m | TICA40MHF15 | TIA 740S HF 15 |
| | | 2m | TICA40MHF20 | TIA 740S HF 20 |
| | | 3m | TICA40MHF30 | TIA 740S HF 30 |
| | | 5m | TICA40MHF50 | TIA 740S HF 50 |
| | TIFA 7Y40MHS | 0.5m | TICA40MHF05 | TIA 7Y40S HF 05 |
| | | 1m | TICA40MHF10 | TIA 7Y40S HF 10 |
| | | 1.5m | TICA40MHF15 | TIA 7Y40S HF 15 |
| | | 2m | TICA40MHF20 | TIA 7Y40S HF 20 |
| | | 3m | TICA40MHF30 | TIA 7Y40S HF 30 |
| | | 5m | TICA40MHF50 | TIA 7Y40S HF 50 |
| | TIFB 740MH | 0.5m | TICA40MHF05 | TIB 740 HF 05 |
| | | 1m | TICA40MHF10 | TIB 740 HF 10 |
| | | 1.5m | TICA40MHF15 | TIB 740 HF 15 |
| | | 2m | TICA40MHF20 | TIB 740 HF 20 |
| | | 3m | TICA40MHF30 | TIB 740 HF 30 |
| | | 5m | TICA40MHF50 | TIB 740 HF 50 |
| | TIFB 7Y40MH | 0.5m | TICA40MHF05 | TIB 7Y40 HF 05 |
| | | 1m | TICA40MHF10 | TIB 7Y40 HF 10 |
| | | 1.5m | TICA40MHF15 | TIB 7Y40 HF 15 |
| | | 2m | TICA40MHF20 | TIB 7Y40 HF 20 |
| | | 3m | TICA40MHF30 | TIB 7Y40 HF 30 |
| | | 5m | TICA40MHF50 | TIB 7Y40 HF 50 |
| | TIFY 540MH | 0.5m | TICA40MHF05 | TIY 540 HF 05 |
| | | 1m | TICA40MHF10 | TIY 540 HF 10 |
| | | 1.5m | TICA40MHF15 | TIY 540 HF 15 |
| | | 2m | TICA40MHF20 | TIY 540 HF 20 |
| | | 3m | TICA40MHF30 | TIY 540 HF 30 |
| | | 5m | TICA40MHF50 | TIY 540 HF 50 |
| TIFS 540MH | 0.5m | TICA40MHF05 | TIS 540 HF 05 | |
| | 1m | TICA40MHF10 | TIS 540 HF 10 | |
| | 1.5m | TICA40MHF15 | TIS 540 HF 15 | |
| | 2m | TICA40MHF20 | TIS 540 HF 20 | |
| | 3m | TICA40MHF30 | TIS 540 HF 30 | |
| | 5m | TICA40MHF50 | TIS 540 HF 50 | |
| TIFS 340MH | 0.5m | TICA40MHF05 | TIS 340 HF 05 | |
| | 1m | TICA40MHF10 | TIS 340 HF 10 | |
| | 1.5m | TICA40MHF15 | TIS 340 HF 15 | |
| | 2m | TICA40MHF20 | TIS 340 HF 20 | |
| | 3m | TICA40MHF30 | TIS 340 HF 30 | |
| | 5m | TICA40MHF50 | TIS 340 HF 50 | |
| TIFZS 340MHM1 | 0.5m | TICA40MHF05 | TIZS 340M1 HF 05 | |
| | 1m | TICA40MHF10 | TIZS 340M1 HF 10 | |
| | 1.5m | TICA40MHF15 | TIZS 340M1 HF 15 | |
| | 2m | TICA40MHF20 | TIZS 340M1 HF 20 | |
| | 3m | TICA40MHF30 | TIZS 340M1 HF 30 | |
| | 5m | TICA40MHF50 | TIZS 340M1 HF 50 | |

Note : Excluding some devise.

Line-up
Clutch Lock Terminal Blocks
PLC Interface Terminal Blocks
Rail Type Terminal Blocks
Assembly Terminal Blocks
Special Purpose Terminal Blocks
Terminal Block Accessories

■ List of products

(2/2)

| Applicable PLC Manufacturer/series | Interface terminal block type name | Cable length | Cable type name | Set product type name | | |
|--|--|--|------------------|-----------------------|-----------------|-----------------|
| Omron/CQM1H series C200H series CV series CS1W series ^{Note} CJ1 series ^{Note} | TIFZS 340MHR1 | 0.5m | TICA40MHF05 | TIZS 340R1 HF 05 | | |
| | | 1m | TICA40MHF10 | TIZS 340R1 HF 10 | | |
| | | 1.5m | TICA40MHF15 | TIZS 340R1 HF 15 | | |
| | | 2m | TICA40MHF20 | TIZS 340R1 HF 20 | | |
| | | 3m | TICA40MHF30 | TIZS 340R1 HF 30 | | |
| | | 5m | TICA40MHF50 | TIZS 340R1 HF 50 | | |
| | TIFZS 340MHR3 | 0.5m | TICA40MHF05 | TIZS 340R3 HF 05 | | |
| | | 1m | TICA40MHF10 | TIZS 340R3 HF 10 | | |
| | | 1.5m | TICA40MHF15 | TIZS 340R3 HF 15 | | |
| | | 2m | TICA40MHF20 | TIZS 340R3 HF 20 | | |
| | | 3m | TICA40MHF30 | TIZS 340R3 HF 30 | | |
| | | 5m | TICA40MHF50 | TIZS 340R3 HF 50 | | |
| | | Mitsubishi Electric/MELSEC-Q series MELSEC-A series | TIFZ 740MHM1 | 0.5m | TICA40MHF05 | TIZ 740M1 HF 05 |
| | | | | 1m | TICA40MHF10 | TIZ 740M1 HF 10 |
| 1.5m | TICA40MHF15 | | | TIZ 740M1 HF 15 | | |
| 2m | TICA40MHF20 | | | TIZ 740M1 HF 20 | | |
| 3m | TICA40MHF30 | | | TIZ 740M1 HF 30 | | |
| 5m | TICA40MHF50 | | | TIZ 740M1 HF 50 | | |
| TIFZ 7Y40MHM1 | 0.5m | | TICA40MHF05 | TIZ 7Y40M1 HF 05 | | |
| | 1m | | TICA40MHF10 | TIZ 7Y40M1 HF 10 | | |
| | 1.5m | | TICA40MHF15 | TIZ 7Y40M1 HF 15 | | |
| | 2m | | TICA40MHF20 | TIZ 7Y40M1 HF 20 | | |
| | 3m | | TICA40MHF30 | TIZ 7Y40M1 HF 30 | | |
| | 5m | | TICA40MHF50 | TIZ 7Y40M1 HF 50 | | |
| TIFZ 740MHM2 | 0.5m | | TICA40MHF05 | TIZ 740M2 HF 05 | | |
| | 1m | | TICA40MHF10 | TIZ 740M2 HF 10 | | |
| | 1.5m | TICA40MHF15 | TIZ 740M2 HF 15 | | | |
| | 2m | TICA40MHF20 | TIZ 740M2 HF 20 | | | |
| | 3m | TICA40MHF30 | TIZ 740M2 HF 30 | | | |
| | 5m | TICA40MHF50 | TIZ 740M2 HF 50 | | | |
| TIFZ 7Y40MHM2 | 0.5m | TICA40MHF05 | TIZ 7Y40M2 HF 05 | | | |
| | 1m | TICA40MHF10 | TIZ 7Y40M2 HF 10 | | | |
| | 1.5m | TICA40MHF15 | TIZ 7Y40M2 HF 15 | | | |
| | 2m | TICA40MHF20 | TIZ 7Y40M2 HF 20 | | | |
| | 3m | TICA40MHF30 | TIZ 7Y40M2 HF 30 | | | |
| | 5m | TICA40MHF50 | TIZ 7Y40M2 HF 50 | | | |
| | Omron/CQM1H series C200H series CV series CS1W series ^{Note} CJ1 series ^{Note} | TIFZ 740MHR1 | 0.5m | TICA40MHF05 | TIZ 740R1 HF 05 | |
| | | | 1m | TICA40MHF10 | TIZ 740R1 HF 10 | |
| 1.5m | | | TICA40MHF15 | TIZ 740R1 HF 15 | | |
| 2m | | | TICA40MHF20 | TIZ 740R1 HF 20 | | |
| 3m | | | TICA40MHF30 | TIZ 740R1 HF 30 | | |
| 5m | | | TICA40MHF50 | TIZ 740R1 HF 50 | | |
| TIFZ 7Y40MHR1 | | 0.5m | TICA40MHF05 | TIZ 7Y40R1 HF 05 | | |
| | | 1m | TICA40MHF10 | TIZ 7Y40R1 HF 10 | | |
| | | 1.5m | TICA40MHF15 | TIZ 7Y40R1 HF 15 | | |
| | | 2m | TICA40MHF20 | TIZ 7Y40R1 HF 20 | | |
| | | 3m | TICA40MHF30 | TIZ 7Y40R1 HF 30 | | |
| | | 5m | TICA40MHF50 | TIZ 7Y40R1 HF 50 | | |
| TIFZ 740MHR3 | | 0.5m | TICA40MHF05 | TIZ 740R3 HF 05 | | |
| | | 1m | TICA40MHF10 | TIZ 740R3 HF 10 | | |
| | | 1.5m | TICA40MHF15 | TIZ 740R3 HF 15 | | |
| | | 2m | TICA40MHF20 | TIZ 740R3 HF 20 | | |
| | | 3m | TICA40MHF30 | TIZ 740R3 HF 30 | | |
| | | 5m | TICA40MHF50 | TIZ 740R3 HF 50 | | |
| TIFZ 7Y40MHR3 | | 0.5m | TICA40MHF05 | TIZ 7Y40R3 HF 05 | | |
| | | 1m | TICA40MHF10 | TIZ 7Y40R3 HF 10 | | |
| | 1.5m | TICA40MHF15 | TIZ 7Y40R3 HF 15 | | | |
| | 2m | TICA40MHF20 | TIZ 7Y40R3 HF 20 | | | |
| | 3m | TICA40MHF30 | TIZ 7Y40R3 HF 30 | | | |
| | 5m | TICA40MHF50 | TIZ 7Y40R3 HF 50 | | | |

Note: Excluding some devise.

Line-up
Clutch Lock
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