

IM154-8 interface modules

Interface modules

IM154-8 PN/DP CPU 256KB
IM154-8 PN/DP CPU 384KB
IM154-8 PN/DP CPU 512KB

MLFB

6ES7154-8AB00-0AB0
6ES7154-8AB01-0AB0
6ES7154-8FB01-0AB0

Connection modules

MLFB

CM IM PN DP M12, 7/8"

6ES7194-4AN00-0AA0

X01 DP1
M12 pin

X02 P1
M12 socket

X03 24V DC
7/8" pin



X01 DP2
M12 socket

X02 P2
M12 socket

X02 24V DC
7/8" socket

X04 24V DC
7/8" socket

Interfaces

MLFB

X01 DP1 M12 (pin)

Non-assembled connectors

PROFIBUS M12 connector 180
with socket insert

6GK1 905-0EB00

Non-assembled cables

PROFIBUS FC cable

* FC Standard Cable

6XV1 830-0EH10

* FC Trailing Cable

6XV1 830-3EH10

* FC Food Cable (PE sheath)

6XV1 830-0GH10

* FC Robust Cable

6XV1 830-0JH10

(PUR sheath)

Pre-assembled cables

PROFIBUS M12 connecting cable, trailable, pre-assembled at both ends with PROFIBUS M12 connectors 180 (one end socket, one end pin)

0,3m

6XV1 830-3DE30

0,5m

6XV1 830-3DE50

1,0m

6XV1 830-3DH10

1,5 m

6XV1 830-3DH15

2,0 m

6XV1 830-3DH20

3,0 m

6XV1 830-3DH30

5,0 m

6XV1 830-3DH50

10,0 m

6XV1 830-3DN10

15,0 m

6XV1 830-3DN15

PROFIBUS M12 trailable connecting cable, pre-assembled at both ends with PROFIBUS M12 connectors angled (one end

1,5 m

6XV1 830-3DH15-0SB0

2,0 m

6XV1 830-3DH20-0SB0

3,0 m

6XV1 830-3DH30-0SB0

5,0 m

6XV1 830-3DH50-0SB0

socket, one end pin)	10.0 m	6XV1 830-3DN10-0SB0
	15.0 m	6XV1 830-3DN15-0SB0
M12 bus termination connector PROFIBUS, socket insert		6GK1905-0ED00
M12 cover caps		6ES7194-4JD60-0AA0

X01 DP2 M12 (socket)

Non-assembled connectors

PROFIBUS M12 connector 180 with plug insert		6GK1 905-0EA00
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Non-assembled cables

PROFIBUS FC cable

* FC Standard Cable	6XV1 830-0EH10
* FC Trailing Cable	6XV1 830-3EH10

* FC Food Cable (PE sheath)

6XV1 830-0GH10

* FC Robust Cable
(PUR sheath)

6XV1 830-0JH10

Pre-assembled cables

PROFIBUS M12 connecting cable, trailable, pre-assembled at both ends with PROFIBUS M12 connectors 180 (one end socket, one end pin)	0,3m 0,5m 1,0m 1.5 m 2.0 m 3.0 m 5.0 m 10.0 m 15.0 m	6XV1 830-3DE30 6XV1 830-3DE50 6XV1 830-3DH10 6XV1 830-3DH15 6XV1 830-3DH20 6XV1 830-3DH30 6XV1 830-3DH50 6XV1 830-3DN10 6XV1 830-3DN15
PROFIBUS M12 trailable connecting cable, pre-assembled at both ends with PROFIBUS M12 connectors angled (one end socket, one end pin)	1.5 m 2.0 m 3.0 m 5.0 m 10.0 m 15.0 m	6XV1 830-3DH15-0SB0 6XV1 830-3DH20-0SB0 6XV1 830-3DH30-0SB0 6XV1 830-3DH50-0SB0 6XV1 830-3DN10-0SB0 6XV1 830-3DN15-0SB0
M12 bus termination connector PROFIBUS, male insert		6GK1905-0EC00
M12 cover caps		3RX9 802-0AA00

X02 P1 M12 (socket)

Non-assembled connectors

PROFINET M12 connector
d-coded with FastConnect
system, 180

* 1 per pack	6GK1901-0DB10-6AA0
* 8 per pack	6GK1901-0DB10-6AA8

PROFINET M12 connector, d-
coded with FastConnect system,
180

* 1per pack	6GK1901-0DB20-6AA0
* 8per pack	6GK1901-0DB20-6AA8

PROFINET M12 connector angled, d-coded	3RK1902-2DA00
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Non-assembled cables

PROFINET FC cable

* FC TP Standard Cable	6XV1 840-2AH10
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* FC TP Trailing Cable	6XV1 840-3AH10
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* FC TP Trailing Cable GP	6XV1 870-2D
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* FC TP Marine Cable	6XV1 840-4AH10
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* FC TP Torsion Cable	6XV1 870-2F
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Pre-assembled cables

PROFINET M12 trailable	0.3 m	6XV1 870-8AE30
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connecting cable, pre-assembled	0.5 m	6XV1 870-8AE50
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at both ends with M12	1.0 m	6XV1 870-8AH10
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connectors 180 (plug)	1.5 m	6XV1 870-8AH15
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2.0 m	6XV1 870-8AH20
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3.0 m	6XV1 870-8AH30
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5.0 m	6XV1 870-8AH50
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10.0 m	6XV1 870-8AN10
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15.0 m	6XV1 870-8AN15
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PROFINET M12 trailable	0,3 m	6XV1 870-8AE30-0SB0
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connecting cable, pre-assembled	0,5 m	6XV1 870-8AE50-0SB0
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at both ends with M12	1,0 m	6XV1 870-8AH10-0SB0
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connectors angled (pin)	1,5 m	6XV1 870-8AH15-0SB0
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2,0 m	6XV1 870-8AH20-0SB0
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3,0 m	3RK1902-2NB30
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5,0 m	3RK1902-2NB50
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10,0 m	3RK1902-2NC10
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15,0 m	6XV1 870-8AN15-0SB0
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PROFINET M12 trailable	3,0 m	3RK1902-2HB30
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connecting cable, pre-assembled	5,0 m	3RK1902-2HB50
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at one end with M12 connectors	10,0 m	3RK1902-2HC10
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angled (pin), other end open
cable

PROFINET M12 trailable	2,0 m	6XV1 871-5TH20
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connecting cable, pre-assembled	3,0 m	6XV1 871-5TH30
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at one end with M12 connector	5,0 m	6XV1 871-5TH50
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180° (pin), other end with RJ45	10,0 m	6XV1 871-5TN10
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plug 145°	15,0 m	6XV1 871-5TN15
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M12 cover caps		3RX9 802-0AA00
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X02 P2 M12 (socket)

Non-assembled connectors

PROFINET M12 connector

d-coded with FastConnect
system, 180

* 1 per pack	6GK1901-0DB10-6AA0
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* 8 per pack	6GK1901-0DB10-6AA8
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PROFINET M12 connector, d-
coded with FastConnect system,

180

* 1 per pack 6GK1901-0DB20-6AA0

* 8 per pack 6GK1901-0DB20-6AA8

PROFINET M12 connector 3RK1902-2DA00

angled, d-coded

Non-assembled cables

PROFINET FC cable

* FC TP Standard Cable 6XV1 840-2AH10

* FC TP Trailing Cable 6XV1 840-3AH10

* FC TP Trailing Cable GP 6XV1 870-2D

* FC TP Marine Cable 6XV1 840-4AH10

* FC TP Torsion Cable 6XV1 870-2F

Pre-assembled cables

PROFINET M12 trailable 0.3 m 6XV1 870-8AE30

connecting cable, pre-assembled 0.5 m 6XV1 870-8AE50

at both ends with M12 1.0 m 6XV1 870-8AH10

connectors 180 (plug) 1.5 m 6XV1 870-8AH15

2.0 m 6XV1 870-8AH20

3.0 m 6XV1 870-8AH30

5.0 m 6XV1 870-8AH50

10.0 m 6XV1 870-8AN10

15.0 m 6XV1 870-8AN15

PROFINET M12 trailable 0,3 m 6XV1 870-8AE30-0SB0

connecting cable, pre-assembled 0,5 m 6XV1 870-8AE50-0SB0

at both ends with M12 1,0 m 6XV1 870-8AH10-0SB0

connectors angled (pin) 1,5 m 6XV1 870-8AH15-0SB0

2,0 m 6XV1 870-8AH20-0SB0

3,0 m 3RK1902-2NB30

5,0 m 3RK1902-2NB50

10,0 m 3RK1902-2NC10

15,0 m 6XV1 870-8AN15-0SB0

PROFINET M12 trailable 3,0 m 3RK1902-2HB30

connecting cable, pre-assembled 5,0 m 3RK1902-2HB50

at one end with M12 connectors 10,0 m 3RK1902-2HC10

angled (pin), other end open

cable

PROFINET M12 trailable 2,0 m 6XV1 871-5TH20

connecting cable, pre-assembled 3,0 m 6XV1 871-5TH30

at one end with M12 connector 5,0 m 6XV1 871-5TH50

180° (pin), other end with RJ45 10,0 m 6XV1 871-5TN10

plug 145° 15,0 m 6XV1 871-5TN15

M12 cover caps 3RX9 802-0AA00

X03 DC 24V 7/8" (plug)

Non-assembled connectors

7/8" connector 180 with socket 6GK1 905-0FB00
insert

7/8" connector angled with 3RK1902-3DA00
socket insert

Non-assembled cables

Energy Cable, trailable, 5 x 1.5 mm ²	6XV1 830-8AH10
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Pre-assembled cables

7/8" connecting cable for	0,3m	6XV1 822-5BE30
supplying trailable energy cable,	0,5m	6XV1 822-5BE50
5 x 1.5 mm ² , both ends with 7/8"	1,0m	6XV1 822-5BH10
connectors 180 (one end socket,	1.5 m	6XV1 822-5BH15
one end pin)	2.0 m	6XV1 822-5BH20
	3.0 m	6XV1 822-5BH30
	5.0 m	6XV1 822-5BH50
	10.0 m	6XV1 822-5BN10
	15.0 m	6XV1 822-5BN15
7/8" connecting cable for	1.5 m	6XV1 822-5BH15-0SB0
supplying trailable energy cable,	2.0 m	6XV1 822-5BH20-0SB0
5 x 1.5 mm ² , pre-assembled at	3.0 m	3RK1902-3NB30
both ends with 7/8" connectors	5.0 m	3RK1902-3NB50
angled (one end socket, one end	10.0 m	3RK1902-3NC10
pin)	15.0 m	6XV1 822-5BN15-0SB0
7/8" connecting cable for	3,0 m	3RK1902-3GB30
supplying trailable energy cable,	5,0 m	3RK1902-3GB50
5 x 1.5 mm ² , one end with 7/8"	10,0 m	3RK1902-3GC10
connector angled (one end		
socket, one end open cable)		

X04 DC 24V 7/8" (socket)**Non-assembled connectors**

7/8" connector 180 with male insert	6GK1 905-0FA00
7/8" connector angled with male insert	3RK1902-3BA00

Non-assembled cables

Energy Cable, trailable, 5 x 1.5 mm ²	6XV1 830-8AH10
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Pre-assembled cables

7/8" connecting cable for	0,3m	6XV1 822-5BE30
supplying trailable energy cable,	0,5m	6XV1 822-5BE50
5 x 1.5 mm ² , both ends with 7/8"	1,0m	6XV1 822-5BH10
connectors 180 (one end socket,	1.5 m	6XV1 822-5BH15
one end pin)	2.0 m	6XV1 822-5BH20
	3.0 m	6XV1 822-5BH30
	5.0 m	6XV1 822-5BH50
	10.0 m	6XV1 822-5BN10
	15.0 m	6XV1 822-5BN15
7/8" connecting cable for	1.5 m	6XV1 822-5BH15-0SB0
supplying trailable energy cable,	2.0 m	6XV1 822-5BH20-0SB0
5 x 1.5 mm ² , pre-assembled at	3.0 m	3RK1902-3NB30
both ends with 7/8" connectors	5.0 m	3RK1902-3NB50
angled (one end socket, one end	10.0 m	3RK1902-3NC10
pin)	15.0 m	6XV1 822-5BN15-0SB0
7/8" cover caps		6ES7 194-3JA00-0AA0

X2 P3 (RJ45)

Non-assembled connectors

7/8" cover caps	6ES7 194-3JA00-0AA0
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X2 P3 (RJ45)

Non-assembled connectors

PROFINET RJ45 connector with
FastConnect system, 180

* 1 per pack	6GK1901-1BB10-2AA0
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* 10 per pack	6GK1901-1BB10-2AB0
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PROFINET RJ45 connector with
FastConnect system, angled

* 1 per pack	6GK1901-1BB20-2AA0
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* 10 per pack	6GK1901-1BB20-2AB0
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Pre-assembled cables

Twisted-pair connecting cables	0.5 m	6XV1870-3QE50
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4x2 with RJ45 connectors	1.0 m	6XV1870-3QH10
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	2.0 m	6XV1870-3QH20
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	6.0 m	6XV1870-3QH60
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	10.0 m	6XV1870-3QN10
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Crossed twisted-pair connecting	0.5 m	6XV1870-3RE50
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cables 4x2 with RJ45 connectors	1.0 m	6XV1870-3RH10
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	2.0 m	6XV1870-3RH20
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	6.0 m	6XV1870-3RH60
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	10.0 m	6XV1870-3RN10
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