



C-Line Standard 3/8"



All designs with female thread.

Technical Description

Multiple connector system with locking lever and safety locking. Original TEMA plug-profile with spill-proof flat face design. Coupling body/plug fitted with high-flow valve system.

Working Pressure

Max. pressure range: 350 bar (safety factor 4:1)

Attention: half the number of connections in the respective sizes

Pressure Eliminator

All plugs are fitted with pressure eliminators to eliminate residual pressures up to maximum working pressure on the plug side (maximum 50 bar on the coupling side).

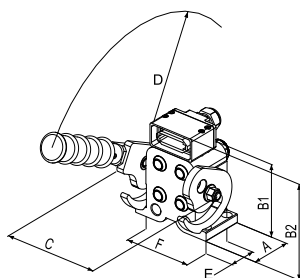
14-Pole Electrical Connection

Delivery exclusive of cables. Protection category IP67 (coupled)
Screwed conductor connector: 0.5 - 1.5 mm²
Pins and sleeves: copper coated
Elect. junction box; aluminium
Traction relief: PA/NBR 9 - 16 mm
Max. voltage: 48 V
Max. current: 10A per core

Working Temperature

-30°C up to +100°C (NBR/PUR)

Sizes, mm



Coupling Plate / Combinations

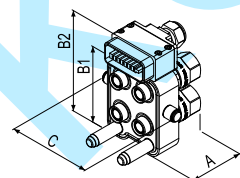
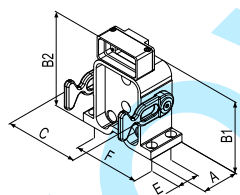
	4 x 3/8"
A	60
B1	103
B2	136 ¹⁾
C	135
D	200
E	40
F	96

Support Plate

	4 x 3/8"
A	52
B1	103
B2	136 ¹⁾
C	106
E	32
F	96

Plug Plate / Combinations

	4 x 3/8"
A	72
B1	101
B2	134 ¹⁾
C	110



Connections (Threads)

Couplings/Plugs	3/8"
Female Thread	G 3/8"

Materials

Plates

Coupling-/Plug Plates
Support Plate:

Aluminium, anodised-blue
Aluminium, anodised-blue

Protective Cap

Aluminium, anodised-blue,
NBR-seal

Quick Connect Couplings/-Plugs

Steel, zinc-plated, yellow passivated (Cr3+), movable sleeves made of stainless steel AISI 304

Seals

NBR/PUR
replaceable profile ring on plug side

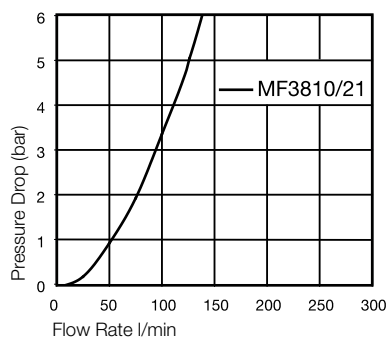
Locking Mechanism Locking Button:

Steel, zinc-plated, yellow passiv. (Cr3+) Aluminium, anodised-red

Blank Plug

Thermoplastics (POM)

Flow Capacity – Viscosity for 32cSt at 40°C as per ISO 7241/2-2000



Hydraulic Flow

3/8" 54 l/min (3 bar pressure drop)

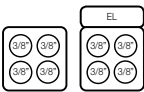



Nominal Diameter mm

DN 10

¹⁾ with electrical plug

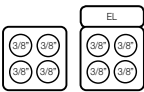
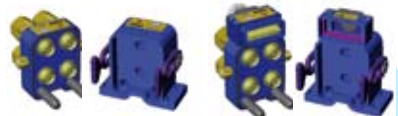
Coupling Plate with Protective Cap (3/8")

TEMA C-Line Standard

	Coupling 3/8"	El.-Connect. 14-pole	Blank Plug 3/8"	Locking Lever Position	Locking Button	Weight kg	Part Number
 <p>Fig.: Locking lever, locking button left side</p>	4	–	–	Twin-arm	left	3.3	TMFC 3333
	4	1	–	Twin-arm	left	3.6	TMFC 3333 Q
	4	–	–	Twin-arm	right	3.3	TMFC 3333 R
	4	1	–	Twin-arm	right	3.6	TMFC 3333 QR
 <p>Fig.: Locking lever, locking button right side</p>	4	–	–	left	left	3.3	TMFC 3333 A
	4	1	–	left	left	3.6	TMFC 3333 QA
	4	–	–	right	right	3.3	TMFC 3333 AAR
	4	1	–	right	right	3.6	TMFC 3333 QAAR
 <p>Fig.: Locking lever, detachable locking button right side</p>	4	–	–	left	left	3.3	TMFC 3333B
	4	1	–	left	left	3.6	TMFC 3333QB
	4	–	–	right	right	3.3	TMFC 3333BBR
	4	1	–	right	right	3.6	TMFC 3333QBRR
Protective cap and assembly screws are included in the delivery.							

Plug plate with Support Plate (3/8")

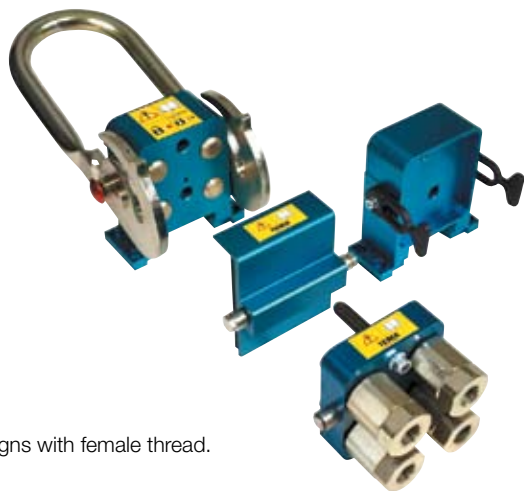
TEMA C-Line Standard

	Plug 3/8"	El.-Connect. 14-pole	Blank Plug 3/8"	Locking Lever Position	Locking Button	Weight kg	Part Number
	4	–	–			2.9	TMMC 3333
	4	1	–			3.2	TMMC 3333 Q
Protective cap and assembly screws are included in the delivery.							



C-Line Standard

3/8" / 1/2" / 3/4"



All designs with female thread.

Sizes, mm

Coupling Plate / Combinations

	1/2" 1/2" + 3/8" Twin-arm lever	1/2" 1/2" + 3/8" Single lever, fixed	1/2", 1/2" + 3/8" Single lever, detachable
A	60	60	60
B1	143	143	143
B2	176	176	176
C	160	165	170
D	270	290	276
E	40	40	40
F	121	121	121

	3/4" + 1/2" 3/4" + 1/2" + 3/8" Twin-arm lever	3/4" + 1/2" 3/4" + 1/2" + 3/8" Single lever, fixed	3/4" + 1/2" 3/4" + 1/2" + 3/8" Single lever, det.
A	70	70	70
B1	143	143	143
B2	176	176	176
C	160	165	170
D	270	290	276
E	50	50	50
F	121	121	121

Plug Plate / Combinations

	1/2" 1/2" + 3/8"	3/4" + 1/2" 3/4" + 1/2" + 3/8"
A	83	95
B1	115	115
B2	148	148
C	135	135

Support Plate

	all models
A	52
B1	143
B2	176
C	141
E	30
F	121

Connections (Threads)
see chart page 8.

Technical Description

Multiple connector system with locking lever and safety locking. Original TEMA plug-profile with spill-proof flat face design. Coupling body/plug fitted with high-flow valve system.

Working Pressure

Max. pressure range: 350 bar (safety factor 4:1)

Attention: half the number of connections in the respective sizes

Pressure Eliminator

All plugs are fitted with pressure eliminators to eliminate residual pressures up to maximum working pressure on the plug side (maximum 50 bar on the coupling side).

7-Pole Electrical Connection

Male part (coupling plate):
Cable: 7 x 1,5 RDOE 5 m
Female part (plug plate)
Cable: 7 x 1,5 RDOE 3 m
Not IP classified
Contact block: NBR
Connector: (pins and casing) bronze, silver plated
Electric connection box: Thermoplastic (POM)
Pull relief (cable): PA/NBR
Max. voltage: 24 V
Max. current: 16 A*

* For return-current through cable, the total permitted current through the connector is maximum 16 A..

Elektroanschluss 14-polig
see page 12

Working Temperature

-30°C up to +100°C (NBR/PUR)

Materials

Plates

Coupling-/Plug Plates
Support Plate:

Aluminium, anodised-blue
Aluminium, anodised-blue

Protective Cap

Aluminium, anodised-blue,
NBR-seal

Quick Connect Couplings/-Plugs

Steel, zinc-plated, yellow passivated (Cr3+), movable sleeves made of stainless steel AISI 304

Seals

NBR/PUR
replaceable profile ring on plug side

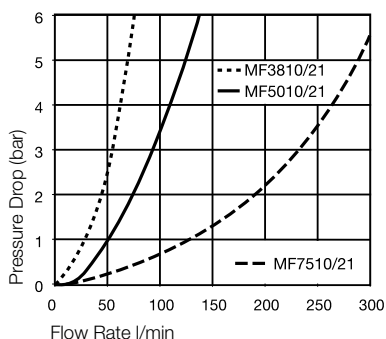
Locking Mechanism
Locking Button:

Steel, zinc-plated, yellow passiv. (Cr3+) Aluminium, anodised-red

Blank Plug

Thermoplastics (POM)

Flow Capacity – Viscosity for 32cSt at 40°C as per ISO 7241/2-2000



Hydraulic Flow

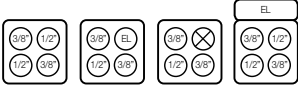
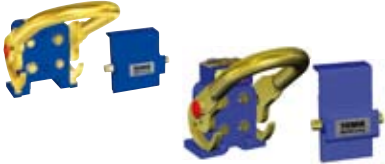
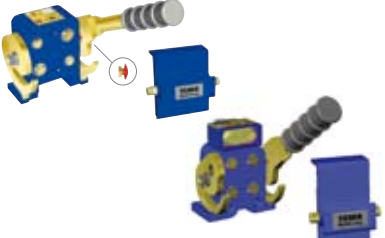
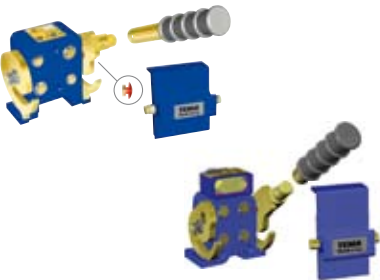
3/8" 54 l/min (3 bar pressure drop)
1/2" 97 l/min (3 bar pressure drop)
3/4" 240 l/min (3 bar pressure drop)

Nominal Diameter mm

DN 10
DN 12.5
DN 19

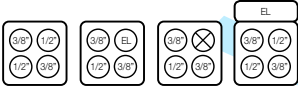

Coupling Plate with Protective Cap (1/2" + 3/8")

TEMA C-Line Standard

	Coupling 1/2"	Coupling 3/8"	El.-Connect.		Blank Plug 1/2"	Locking Lever Position	Locking Button	Weight kg	Part Number
			7-pole	14-pole					
Twin-arm lever  Fig.: Locking lever, locking button left side	2	2	–	–	–	Twin-arm	left	5.9	TMFC 5533
	2	2	–	1	–	Twin-arm	left	6.2	TMFC 5533 Q
	1	2	1	–	–	Twin-arm	left	7.1	TMFC 5Y33
	1	2	–	–	1	Twin-arm	left	5.7	TMFC 5W33
	2	2	–	–	–	Twin-arm	right	5.9	TMFC 5533 R
	2	2	–	1	–	Twin-arm	right	6.2	TMFC 5533 QR
	1	2	1	–	–	Twin-arm	right	7.1	TMFC 5Y33 R
	1	2	–	–	1	Twin-arm	right	5.7	TMFC 5W33 R
 Fig.: Locking lever, locking button right side	2	2	–	–	–	left	left	5.5	TMFC 5533 A
	2	2	–	1	–	left	left	5.8	TMFC 5533 QA
	1	2	1	–	–	left	left	6.7	TMFC 5Y33 A
	1	2	–	–	1	left	left	5.4	TMFC 5W33 A
	2	2	–	–	–	right	right	5.5	TMFC 5533 AAR
	2	2	–	1	–	right	right	5.8	TMFC 5533 QAAR
	1	2	1	–	–	right	right	6.7	TMFC 5Y33 AAR
	1	2	–	–	1	right	right	5.4	TMFC 5W33 AAR
 Fig.: Locking lever, detachable locking button right side	2	2	–	–	–	left	left	5.7	TMFC 5533 B
	2	2	–	1	–	left	left	6.0	TMFC 5533 QB
	1	2	1	–	–	left	left	6.9	TMFC 5Y33 B
	1	2	–	–	1	left	left	5.5	TMFC 5W33 B
	2	2	–	–	–	right	right	5.7	TMFC 5533 BBR
	2	2	–	1	–	right	right	6.0	TMFC 5533 QBBR
	1	2	1	–	–	right	right	6.9	TMFC 5Y33 BBR
	1	2	–	–	1	right	right	5.5	TMFC 5W33 BBR
Protective cap and assembly screws are included in the delivery.									

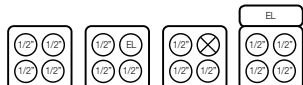



Plug Plate with Support Plate (1/2" + 3/8")

TEMA C-Line Standard

	Plug 1/2"	Plug 3/8"	El.-Connect.		Blank Plug 1/2"	Locking Lever Position	Locking Button	Weight kg	Part Number
			7-pole	14-pole					
	2	2	–	–	–			4.6	TMMC 5533
	2	2	–	1	–			4.7	TMMC 5533 Q
	1	2	1	1	–			4.9	TMMC 5Y33
	1	2	–	–	1			4.1	TMMC 5W33
Assembly screws and support plate are included in the delivery.									

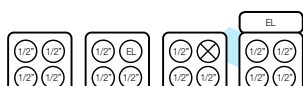
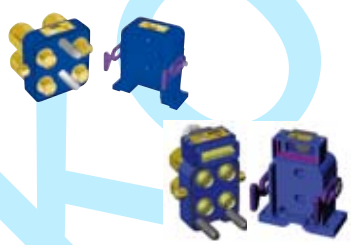
Coupling Plate with Protective Cap (1/2")

TEMA C-Line Standard

	Coupling 1/2"	El.-Connect. 7-pole, 14-pole		Blank Plug 1/2"	Locking Lever Position	Locking Button	Weight kg	Part Number
Twin-arm lever  Fig.: Locking lever, locking button left side	4	–	–	–	Twin-arm	left	5.9	TMFC 5555
	4	–	1	–	Twin-arm	left	6.2	TMFC 5555 Q
	3	1	–	–	Twin-arm	left	7.1	TMFC 555Y
	3	–	–	1	Twin-arm	left	5.7	TMFC 555W
	4	–	–	–	Twin-arm	right	5.9	TMFC 5555 R
	4	–	1	–	Twin-arm	right	6.2	TMFC 5555 QR
	3	1	–	–	Twin-arm	right	7.1	TMFC 555Y R
	3	–	–	1	Twin-arm	right	5.7	TMFC 555W R
Single lever, fixed  Fig.: Locking lever, locking button right side	4	–	–	–	left	left	5.6	TMFC 5555 A
	4	–	1	–	left	left	5.9	TMFC 5555 QA
	3	1	–	–	left	left	6.8	TMFC 555Y A
	3	–	–	1	left	left	5.4	TMFC 555W A
	4	–	–	–	right	right	5.6	TMFC 5555 AAR
	4	–	1	–	right	right	5.9	TMFC 5555 QAAR
	3	1	–	–	right	right	6.8	TMFC 555Y AAR
	3	–	–	1	right	right	5.4	TMFC 555W AAR
Single lever, detachable  Fig.: Locking lever, locking button right side	4	–	–	–	left	left	5.7	TMFC 5555 B
	4	–	1	–	left	left	6.0	TMFC 5555 QB
	3	1	–	–	left	left	6.9	TMFC 555Y B
	3	–	–	1	left	left	5.5	TMFC 555W B
	4	–	–	–	right	right	5.7	TMFC 5555 BBR
	4	–	1	–	right	right	6.0	TMFC 5555 QBRR
	3	1	–	–	right	right	6.9	TMFC 555Y BBR
	3	–	–	1	right	right	5.5	TMFC 555W BBR
Protective cap and assembly screws are included in the delivery.								

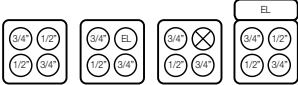


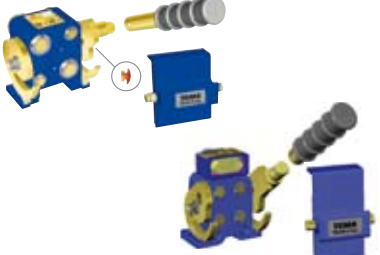
Plug Plate with Support Plate (1/2")

TEMA C-Line Standard

	Plug 1/2"	El.-Connect. 7-pole, 14-pole		Blank Plug 1/2"	Locking Lever Position	Locking Button	Weight kg	Part Number
	4	–	–	–			5.1	TMMC 5555
	4	–	1	–			5.2	TMMC 5555 Q
	3	1	–	–			5.4	TMMC 555Y
	3	–	–	1			4.6	TMMC 555W
Assembly screws and support plate are included in the delivery.								

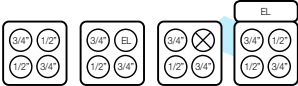

Coupling Plate with Protective Cap (3/4" + 1/2")

TEMA C-Line Standard

	Coupling 3/4"	Coupling 1/2"	El.-Connect.		Blank Plug 1/2"	Locking Lever Position	Locking Button	Weight kg	Part Number
			7-pole	14-pole					
 <p>Twin-arm lever</p>  <p>Fig.: Locking lever, locking button left side</p>	2	2	–	–	–	Twin-arm	left	6.6	TMFC 7755
	2	2	–	1	–	Twin-arm	left	6.9	TMFC 7755 Q
	2	1	1	–	–	Twin-arm	left	7.8	TMFC 775Y
	2	1	–	–	1	Twin-arm	left	6.4	TMFC 775W
	2	2	–	–	–	Twin-arm	right	6.6	TMFC 7755 R
	2	2	–	1	–	Twin-arm	right	6.9	TMFC 7755 QR
	2	1	1	–	–	Twin-arm	right	7.8	TMFC 775Y R
	2	1	–	–	1	Twin-arm	right	6.4	TMFC 775W R
<p>Single lever, fixed</p>  <p>Fig.: Locking lever, locking button right side</p>	2	2	–	–	–	left	left	6.3	TMFC 7755 A
	2	2	–	1	–	left	left	6.6	TMFC 7755 QA
	2	1	1	–	–	left	left	7.5	TMFC 775Y A
	2	1	–	–	1	left	left	6.1	TMFC 775W A
	2	2	–	–	–	right	right	6.3	TMFC 7755 AAR
	2	2	–	1	–	right	right	6.6	TMFC 7755 QAAR
	2	1	1	–	–	right	right	7.5	TMFC 775Y AAR
	2	1	–	–	1	right	right	6.1	TMFC 775W AAR
<p>Single lever, detachable</p>  <p>Fig.: Locking lever, locking button right side</p>	2	2	–	–	–	left	left	6.4	TMFC 7755 B
	2	2	–	1	–	left	left	6.9	TMFC 7755 QB
	2	1	1	–	–	left	left	7.6	TMFC 775Y B
	2	1	–	–	1	left	left	6.2	TMFC 775W B
	2	2	–	–	–	right	right	6.4	TMFC 7755 BBR
	2	2	–	1	–	right	right	6.9	TMFC 7755 QBBR
	2	1	1	–	–	right	right	7.6	TMFC 775Y BBR
	2	1	–	–	1	right	right	6.2	TMFC 775W BBR
Protective cap and assembly screws are included in the delivery.									

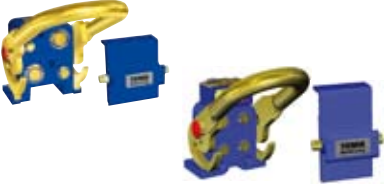


Plug Plate with Support Plate (3/4" + 1/2")

TEMA C-Line Standard

	Plug 3/4"	Plug 1/2"	El.-Connect.		Blank Plug 1/2"	Locking Lever Position	Locking Button	Weight kg	Part Number
			7-pole	14-pole					
 	2	2	–	–	–			5.6	TMMC 7755
	2	2	–	1	–			5.7	TMMC 7755 Q
	2	1	1	–	–			5.9	TMMC 775Y
	2	1	–	–	1			5.1	TMMC 775W
Assembly screws and support plate are included in the delivery.									


Coupling Plate with Protective Cap (3/4" + 1/2" + 3/8")

TEMA C-Line Standard

<div> <div> <div> <div>3/8" 3/4"</div> <div>3/8" 3/4"</div> </div> <div> <div>3/8" 3/4"</div> <div>3/4" EL</div> </div> <div> <div>3/4" 3/4"</div> <div>3/4" X</div> </div> <div> <div>3/8" 3/4"</div> <div>3/4" 1/2"</div> </div> </div> </div>	Coupling 3/4"	Coupling 1/2"	Coupling 3/8"	El.-Connect.		Blank Plug 1/2"	Locking Lever Position	Locking Button	Weight kg	Part Number
				7-pole	14-pole					
<div> <div>Twin-arm lever</div>  <div>Fig.: Locking lever, locking button left side</div> </div>	2	1	1	–	–	–	Twin-arm	left	6.6	TMFC 7753
	2	1	1	–	1	–	Twin-arm	left	6.9	TMFC 7753 Q
	2	–	1	1	–	–	Twin-arm	left	7.8	TMFC 77Y3
	2	–	1	–	–	1	Twin-arm	left	6.4	TMFC 77W3
	2	1	1	–	–	–	Twin-arm	right	6.6	TMFC 7753 R
	2	1	1	–	1	–	Twin-arm	right	6.9	TMFC 7753 QR
	2	–	1	1	–	–	Twin-arm	right	7.8	TMFC 77Y3 R
	2	–	1	–	–	1	Twin-arm	right	6.4	TMFC 77W3 R
<div> <div>Single lever, fixed</div>  <div>Fig.: Locking lever, locking button right side</div> </div>	2	1	1	–	–	–	left	left	6.3	TMFC 7753 A
	2	1	1	–	1	–	left	left	6.6	TMFC 7753 QA
	2	–	1	1	–	–	left	left	7.4	TMFC 77Y3 A
	2	–	1	–	–	1	left	left	6.1	TMFC 77W3 A
	2	1	1	–	–	–	right	right	6.3	TMFC 7753 AAR
	2	1	1	–	1	–	right	right	6.6	TMFC 7753 QAAR
	2	–	1	1	–	–	right	right	7.4	TMFC 77Y3 AAR
	2	–	1	–	–	1	right	right	6.1	TMFC 77W3 AAR
<div> <div>Single lever, detachable</div>  <div>Fig.: Locking lever, locking button right side</div> </div>	2	1	1	–	–	–	left	left	6.4	TMFC 7753 B
	2	1	1	–	1	–	left	left	6.7	TMFC 7753 QB
	2	–	1	1	–	–	left	left	7.6	TMFC 77Y3 B
	2	–	1	–	–	1	left	left	6.2	TMFC 77W3 B
	2	1	1	–	–	–	right	right	6.4	TMFC 7753 BBR
	2	1	1	–	1	–	right	right	6.7	TMFC 7753 QBBR
	2	–	1	1	–	–	right	right	7.6	TMFC 77Y3 BBR
	2	–	1	–	–	1	right	right	6.2	TMFC 77W3 BBR
Protective cap and assembly screws are included in the delivery.										

Plug Plate with Support Plate (3/4" + 1/2" + 3/8")

TEMA C-Line Standard

<div> <div> <div> <div>3/8" 3/4"</div> <div>3/8" 3/4"</div> </div> <div> <div>3/8" 3/4"</div> <div>3/4" EL</div> </div> <div> <div>3/4" 3/4"</div> <div>3/4" X</div> </div> <div> <div>3/8" 3/4"</div> <div>3/4" 1/2"</div> </div> </div> </div>	Plug 3/4"	Plug 1/2"	Plug 3/8"	El.-Connect.		Blank Plug 1/2"	Locking Lever Position	Locking Button	Weight kg	Part Number
				7-pole	14-pole					
<div>  </div>	2	1	1	–	–	–			5.3	TMMC 7753
	2	1	1	–	1	–			5.4	TMMC 7753 Q
	2	–	1	1	–	–			5.7	TMMC 77Y3
	2	–	1	–	–	1			4.8	TMMC 77W3
Assembly screws and support plate are included in the delivery.										