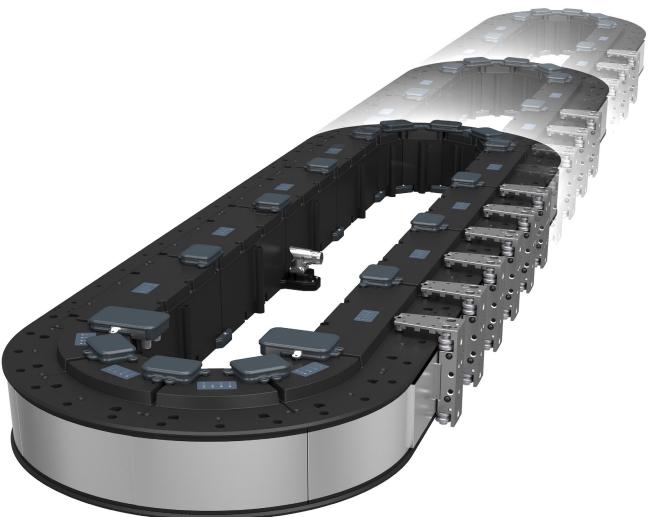
## Catalog | April 2024



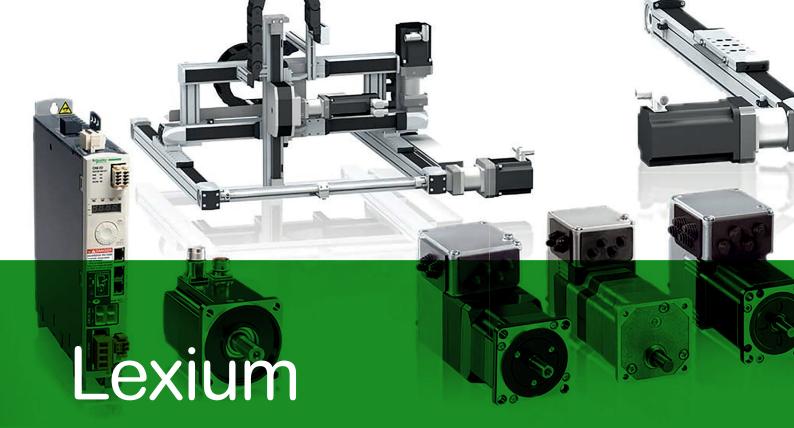
# Lexium<sup>™</sup>MC12 multi carrier

## The multi carrier transport system



Life Is On





## Discover Lexium

### Advanced motion control and robotics

Lexium servo drives, motors, and robotics series are designed for a broad range of motion-centric machines. From single-axis to high-performance multi-axis machines, the Lexium range enables high-speed movements and precise positioning in packaging, material handling, material working, electronics, and food and beverage applications.

## Explore our offer

- Lexium Servo Drives and Motors
- Lexium Integrated Servo Drives
- Lexium Robotics
- Lexium Stepper Drives







## Quick access to product information

### Get technical information about your product



Each commercial reference presented in a catalog contains a hyperlink. Click on it to obtain the technical information of the product:

- Characteristics, Dimensions and drawings, Mounting and clearance, Connections and schemas, Performance curves
- Product image, Instruction sheet, User guide, Product certifications, End of life manual

### Find your catalog

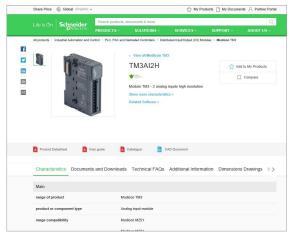


- > With just 3 clicks, you can access the Industrial Automation and Control catalogs, in both English and French
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- Up-to-date catalogs
- Embedded product selectors,360° pictures
- · Optimized search by commercial references

Life Is On



## General content

### Lexium<sup>™</sup> MC12 multi carrier

The multi carrier transport system
Introduction to EcoStruxure Machine
Specifications of Lexium MC12 multi carrier
<ul> <li>Examples of applications</li> <li>Filling,</li> <li>Grouping,</li> <li>Stacking,</li> <li>Pick and Place,</li> <li>Free movements</li></ul>
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To be competitive in today's digital era, machine builders must be innovative. Smart machines, those that are better connected, more flexible, more efficient, and safe, are enabling machine builders to innovate in ways never before possible.

EcoStruxure, Schneider Electric's open, IoT-enabled architecture and platform, offers powerful solutions for the digital era. As part of this, EcoStruxure Machine brings powerful opportunities for machine builders and OEMs, empowering them to offer smart machines and compete in the new, digital era.

EcoStruxure Machine brings together key technologies for product connectivity and edge control on premises, and cloud technologies to provide analytics and digital services. EcoStruxure Machine helps you bring more innovation and added value to your customers throughout the entire machine life cycle.

### Innovation at Every Level for Machines is full systems across three layers:

#### - Connected products

Our connected products for measuring, actuating, device level monitoring, and control adhere to open standards to provide unmatched integration opportunities and flexibility

#### - Edge Control

We are IIoT-ready with a proven set of tested and validated reference architectures that enable the design of end-to-end open, connected, and interoperable systems based on industry standards. Ethernet and OPC UA facilitates IT/OT convergence meaning machine builders reap benefits from web interfaces and cloud.

#### Apps, Analytics & Services

Seamless integration of machines to the IT layer allows the collection and aggregation of data ready for analysis – for machine builders and end users alike this means increased uptime and the ability to find information faster for more efficient operations and maintenance.

#### These levels are completely integrated from shop floor to top floor. And we have cloud offer and end-to-end cybersecurity wrapped around.

EcoStruxure Machine makes it easier for OEMs/ machine builders to offer their customers smarter machines. The advent of smart machines is driven by the changing needs of end users:

- Evolving workforce
- Reducing costs
- Dynamic markets
- Shorter life cycles
- Prioritizing functional safety and cybersecurity

## Eco Struxure Machine



\* The Schneider Electric industrial software business and AVEVA have merged to trade as AVEVA Group plc, a UK listed company. The Schneider Electric and Life is On trademarks are owned by Schneider Electric and are being licensed to AVEVA by Schneider Electric.

ers	EcoStruxure Machine provides one solution for the whole machine life cycle:
	<ul> <li>With Smart Design &amp; Engineering the time to market is reduced by up to 30% using our automated engineering and the simulation capabilities</li> </ul>
r :N	- During Commissioning & Operation of the machine, resources such as energy, material and loss can be improved, and with seamless integration to the IT world efficiency can be improved by up to 40%
	- Smart Maintenance & Services reduces the time for corrective actions up to 50%

### Lexium MC12 multi carrier

The multi carrier transport system

Specifications

#### **Specifications of Lexium MC12 multi carrier**



Lexium MC12 multi carrier transport system

Lexium MC12 multi carrier is an innovative transport system to be used in machines. It uses latest linear motion technology to move products individually through the machine. These individual movements allow for new machine designs making machines faster, more flexible and space efficient.

#### New level of performance & flexibility for more sustainability

- Less format specific parts needed, a big step ahead in direction of toolless change over at a push of a button
- Leap in flexibility, larger variety of products can be run on the same machine

#### Simplified operation and maintenance

- Integral part of PacDrive 3 system diagnostic mechanisms
- Automatic configuration after replacement of segments or carriers
- Enhanced diagnostics and commissioning with EcoStruxure Machine Expert software
- Mobile app for diagnostics (Industrial Device)
- Integral part of Schneider Electric's solution for remote monitoring/health monitoring and predictive maintenance (Machine Advisor)
- Modular mechanical design for quick replacements

Differentiation & saving time in machine design for less time to market

- Game changer for machine design Next generation of multi carrier system, providing new leeway for even better machine designs
- The evolution mechanical camming electronic camming no camming is providing new unknown potential for more flexible machines with less footprint!
- Efficient engineering and life cycle management with a single and well-known engineering tool
- Shorter time to market though easy and time saving mechanical/electrical/program implementation
- Virtual commissioning to verify machine behavior in an early implementation phase
   Transportation, grouping and positioning of products is completely decoupled from
- I ransportation, grouping and positioning of products is completely decoupled from the machine cycle

#### Increasing the Overall Equipment effectivness of machine

- > Higher flexibility more formats per machine and simplified change over procedures with less format specific part
- > Optimized maintenance by high-service-parts
- > In summary resulting in higher machine uptime
- > Better use of production space through machines with less footprint

#### Main fields of application

- Lexium MC12 multi carrier is transporting, grouping and positioning products in discrete processes for such typical applications:
- Packaging
  - Cartoning
  - Stacking (grouping)
  - Product flow adjustments (gap correction, position correction)
  - Filling, folding (tubes, bottles, pouches, ...)
  - Labelling
- > Food processing
- Applicating
- Cutting
- > Assembly
  - Mechatronical products
  - Pharmaceutical products
- Material handling



Packaging application



Food processing application



Material handling application

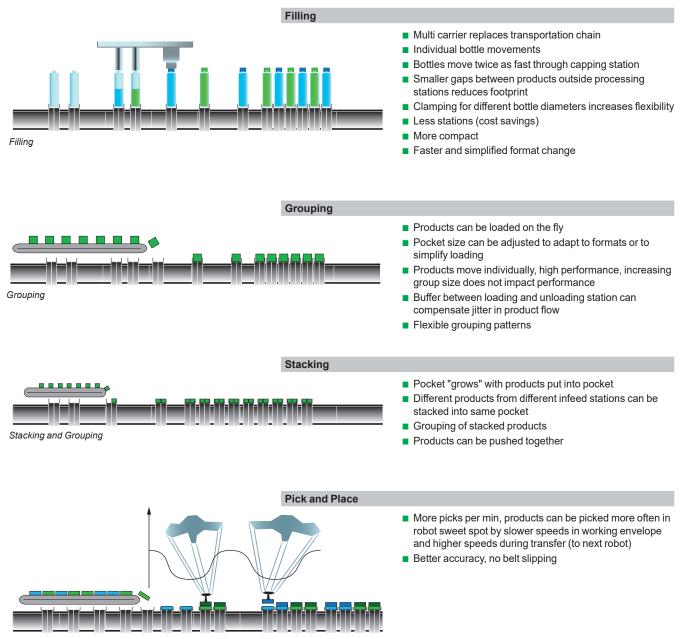
### Lexium MC12 multi carrier

#### The multi carrier transport system

Examples of applications

#### **Examples of applications**

The Lexium MC12 multi carrier system is a transport system for moving, positioning or grouping objects in machines for discrete processes.



Pick and Place with variable speed of carrier



Free movements

#### **Free movements**

- A carrier can be moved freely throughout the track. It can brake, accelerate, position or exert a constant force when stationary or also in motion.
   Like any linear motor, the carrier can synchronize on other movements.
- When arranged in a circle, the carriers move endlessly following the flow of product. Several carriers can all be moved independently of each other. They can be
- Several carriers can all be moved independently of each other. They can be positioned at absolute positions over the entire distance traveled. In addition, they can be moved relative to each other and avoid collisions with their neighbour.

### Lexium MC12 multi carrier

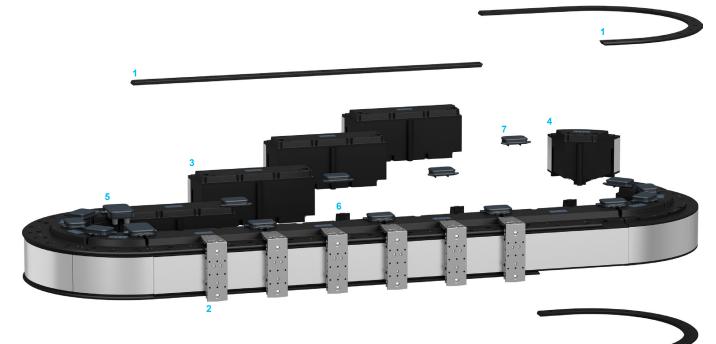
The multi carrier transport system

System components to create a track

#### System components to create a track

Lexium MC12 multi carrier is a modular system for machine applications and consists of long stator motors, on which multiple carrier units can be moved independently from each other.

- > The system components are designed for compact, modular, flexible and efficient machine designs. Lexium MC12 multi carrier can reduce engineering efforts, mechanical variants, and changeover time.
- > The components of Lexium MC12 multi carrier are mounted at the machine frame.



Guide rails 1	Same curve and straight guide rails are installed at top and bottom of the straight and curved long stator motor segments, used to handle the carriers. Guide rails are available in different length and can be combined freely.
Carriers 2	> The carrier contains magnetic plates which, with the coil of the long stator motor segment can generate propulsive force. The encoder integrated in long stator motor segment measures the position of each carrier.
	> Up to 130 removable carriers can move on a same track. The motion of each carrier is independent from each other allowing different spacings, different cycle times, and different speeds (up to 4 m/s).
	> The minimal gap between two carriers is null.
Straight 3 and curve 4 longstator motor segments	> These are linear motors with integrated power electronics and multi carrier position measurement. The longstator motor segments can be combined freely into open and closed tracks, and can be mounted from top on a base plate.
	Integrated mechanical alignments simplify the mounting process.
	> No cabinet space is required for the drive electronics as it is integrated in the track segments.
	> Tracks can be designed in machines in horizontal or vertical position.
	> The maximum length of a track is 40 m (131.23 ft) (1)
	Each segment is equipped with electronic type plates which enables the controller to identify the segments and the resulting track geometry automatically.
Communication interconnect 5	Communication interconnects are used to interconnect the straight or curve longstator motor segments and to support the transmission of the communication (Sercos III), and of the SFO safety function (Safe Force Off).
Connection modules 6	> The Connection modules ensure the overvoltage protection, and the supply voltage monitoring.
Power interconnects 7	Power interconnects are used to interconnect the straight or curve longstator motor segments, and to support the transmission of the DC power, ensuring a quick wiring.

(1) For track lenght of more than 20 m (65,61 ft), Please contact your SE representative.

### Lexium MC12 multi carrier

The multi carrier transport system

> Open tracks or closed tracks that can be realized with 300 mm (11.81 in) straight long stator motor segments and 200 mm (7.87 in) 45° outside curve long stator

The free space left inside a track allows the integration of additional equipment such as Delta robots, reduces the space of an installation, and ease the access for

Track can be mounted in Vertical or Horizontal orientations.

Setting up the system components

> The Maximum track length is 40 m (131.23 ft) (1).

Setting up

**Designing a track** 

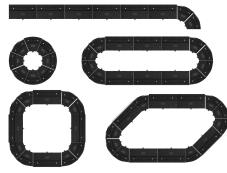
motor segments.

service or maintenance.Track's orientation

Shapes

>





Available Open or closed track geometries



Vertical orientation

Horizontal orientation

#### Connecting a track

#### **Communication interconnects**

- > There are different interconnects available, e.g. to connect Sercos cables or to connect Safe Force Off signal.
- > The communication interconnects ensure the Sercos communication and Safety function:
  - Once connected, the interconnects eliminate further wiring
  - Multiple safety zones are allowed with one connection per zone

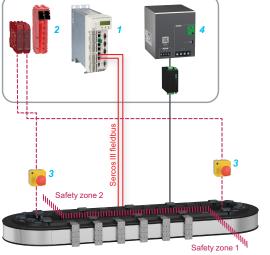
#### **Connection modules**

- Connection module are installed close to power supply, between power supply and power connector at track. They provide the internal DC Bus and power supply on tracks, they ensure the overvoltage protection, and the supply voltage monitoring.
- The Internal DC Bus and the power supply (48 V DC) are automatically connected through when mounting two segments.
  - No wiring is required between the segments
  - Up to three 48 V power supplies can be installed in parallel according to the needs of application
  - The Power infeed is applied in parallel at straight and/or curves long stator segments

#### **Power interconnects**

- > There are different versions available, e.g. with a power connector to connect power to the track or a disconnector which allows to split a track into different power zones.
- > The power interconnects ensure the power distribution in the track. They are mounted at the bottom side and provide an alignment aid helping to mount the long stator motor segments properly.

(1) For track lenght of more than 20 m (65,61 ft), Please contact your SE representative.



Communication interconnects associated to Sercos as provided by LMCPro2 motion controller (1) and safe outputs: TM5SD04TFS, TM5SD04TAFS safety modules, and XPSMCMR00004G, XPSMCMD00004G modular safety modules (2) combined with Harmony XB5 Emergency stop pushbuttons (3).

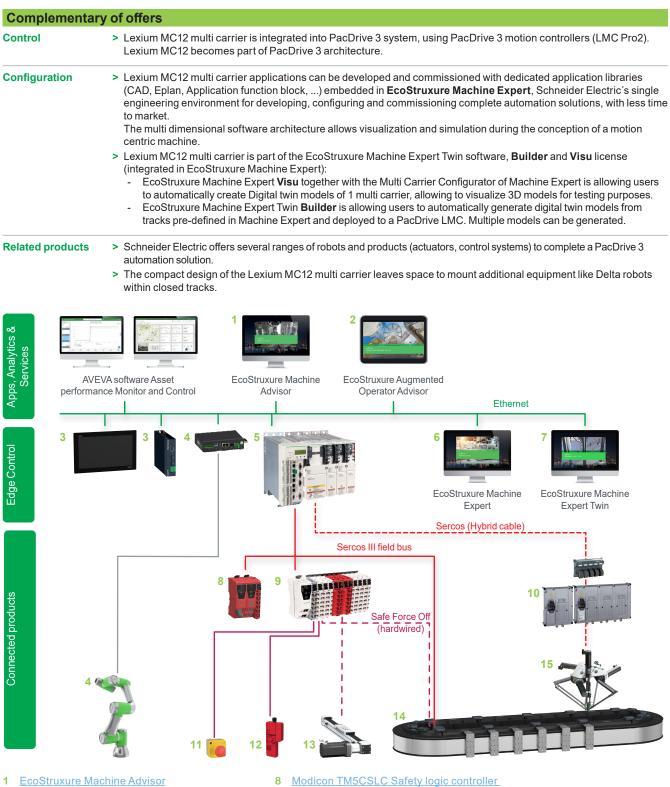
ABLU3A48200 (4): 3-phase power supply is dedicated to Lexium MC12 multi carrier system.

7

### Lexium MC12 multi carrier

The multi carrier transport system

Complementary of offers



- EcoStruxure Augmented operator Advisor 2
- Harmony iPC panel, Harmony Edge box 3
- Lexium Cobot: Collaborative robot and Cobot 4 compact controller(1)
- 5 PacDrive LMC Pro2 Motion controller, Lexium 62 Multi axis servo drive
- 6 EcoStruxure Machine Expert software
- EcoStruxure Machine Expert Twin software 7
- (1) Scheduled for commercialization in the third quarter of 2023.

- Modicon TM5: Sercos interface module, Safety IO expansion module, 9 IO expansion module (IP 20)
- 10 Lexium 62 ILD detached servo drives
- 11 Harmony XALD Harmony XB5 Emergency stop pushbuttons
- 12 Telemecanique XCSR contactless RFID safety switch
- 13 Lexium PAS: Linear axes with fixed axis body
- 14 Lexium MC12 multi carrier
- 15 Lexium P Delta 3 robot





### Lexium MC12 multi carrier

The multi carrier transport system

Communication, Embedded safety function SFO, Main characteristics

## Sercos

EcoStruxure

Machine Advisor

Cat 5eBaudrate: 100 MbpsCycle time: 1...4 ms

Lexium MC12 multi carrier is communicating via Sercos III automation bus, and controlled by the PacDrive 3 LMC Pro2 motion controller.

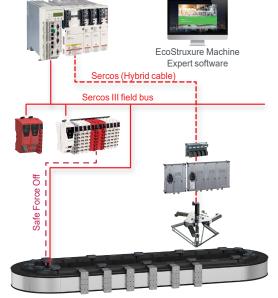
Each carrier is handled as Sercos device by the system with a Sercos ID and a reserved area for communication, similar to a servo drive in configuration and application.

#### **Embedded safety function SFO**

Communication

Lexium MC12 multi carrier is an integral part of the Machine safety system with its drive embedded Safe Force Off (SFO) function.

- This function meets the requirements of SIL 3 according IEC 61800-5-2, IEC 62061 and IEC 61508 as well as up to category 3 and PLe according to EN ISO 13849-1.
- It simplifies the setup of installations requiring complex safety equipment and improves performance during maintenance operations.



Ethernet

#### Main characteristics (1)

mann chan										
Lexium MC12 m	nulti carrier									
Peak Force (2)		120 N (26.97 lbf)								
Total mass (3)		≤ 3 kg (6.61 <i>lb</i> )								
Nominal mass of	a carrier	0,8 kg (1.76 lb)								
Max. payload per	carrier	2.2 kg (4.85 lb)								
Max. acceleration	n for 1 kg <i>(2.204 lb)</i>	120 m/s² (393.70 ft/s²)								
Max. speed		4 m/s (13.12 ft/s)								
Length	Straight longstator segment	300 mm (11.81 in)								
	Curve longstator segment	200 mm (7.87 in) – Radius: 255 mm (10.04 in)								
Repetetive	Straight longstator segment	0.03 mm <i>(0.001 in)</i>								
accuracy (4)	Curve longstator segment	0.05 mm <i>(0.002 in)</i>								
Absolute	Straight longstator segment	0.25 mm <i>(0.009 in)</i>								
accuracy	Curve longstator motor	0.35 mm (0.013 in)								
IP Class		IP65								
Cleanroom Class	s (ISO / GMP)	5 / A targeted								
Max. number of carriers	per track	Equals max. number of servo axis controller can handle (currenty up to 130)								
	per segment	6 carriers on Straight longstator segment								
		4 carriers on Curve longstator segment								
Carrier	Width x Height	50 x 143 mm (1.96 x 5.63 in)								
	Weight without load	0.8 kg (1.763 lb)								
Max. track length		40 m (131.23 ft) (5)								

(1) More characteristics on Product datasheet.

(2) Max. force generated in moving direction of carrier, Peak force can be increased by use of multiple carriers together.

(3) Mass of the carrier plus payload.

(4) Single carrier to single point accuracy.

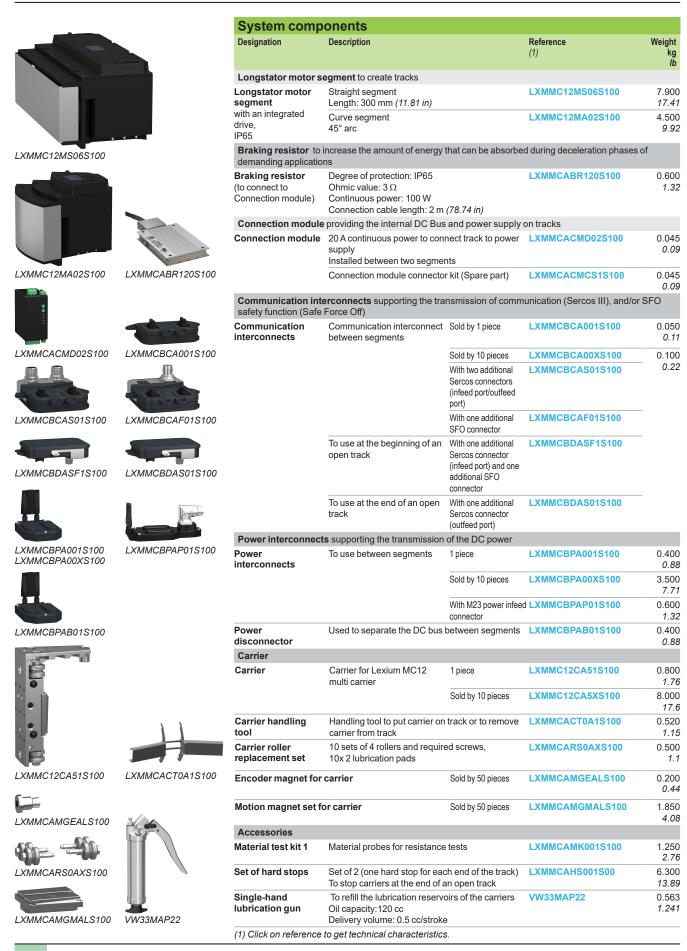
(5) For track lenght of more than 20 m (65,61 ft), Please contact your SE representative.

### References

### Lexium MC12 multi carrier

The multi carrier transport system

System components



Schneider

### References

### Lexium MC12 multi carrier

The multi carrier transport system

System components

	Curata										
	System compo										
	Designation	Description				Reference (1)		eight			
LXMMCRS0A06S100	Guide rail holding the	sogmonts				(-)	kg	lb			
LXMMCRSUA00ST00	Guide rail sets	Set of top and bottom	1 unit of ler	nath stra	iaht	LXMMCRS0A06S100	1.300	2.86			
	ounde fuil sets	guide rails for straight	2 units of le	-	-	LXMMCRS0A12S100	2.500				
		segment	3 units of le		•	LXMMCRS0A18S100	3.800				
			4 units of le	•	•	LXMMCRS0A165100	5.000				
				<b>U</b> ,	0		6.200				
			5 units of le	• •	aignt	LXMMCRS0A30S100	0.700				
LXMMCRABA62S100		Open track with curves				LXMMCRSEA03S100					
		Set of top and bottom guide rails for curve segment	45° arc, 1 u straight			LXMMCRABA62S100	2.200				
-)			90° arc, 1 u straight			LXMMCRABA64S100	3.000				
in the state of th			135° arc, 1 straight		<u> </u>	LXMMCRABA66S100	3.800				
LXMMCRABA64S100	180° arc, 1 unit of length MMCRABA64S100 straight					LXMMCRABA68S100	4.600	10.14			
			360° arc			LXMMCRA0A00S100	6.600	14.55			
	Cables										
	Description	For use		Length	n of cable	Reference	Weigl				
				m	ft	(1)	kg	lb			
· · · ·	Power cables	Between Connection m		2	6.56	LXMMCAPC020S100	0.500	1.10			
LXMMCRABA66S100	M23 connector (Power interconnect side), free	LXMMCACMD02S100 interconnect LXMMCBF		4	13.12	LXMMCAPC040S100	0.900	2.00			
-	wires (connection module			6	6.56	LXMMCAPC060S100	1.300	2.86			
	side)			8	26.24	LXMMCAPC080S100	1.700	3.74			
				10	32.80	LXMMCAPC100S100	2.100	4.62			
			12	39.37	LXMMCAPC120S100	2.500	5.51				
				14	45.93	LXMMCAPC140S100	2.900	6.39			
				16	52.49	LXMMCAPC160S100	3.300	7.27			
				18	59.05	LXMMCAPC180S100	3.700	8.15			
LXMMCRABA68S100				20	65.61	LXMMCAPC200S100	4.100	9.04			
	Pre-wired connectors for	Between Modicon TM5	Straight	2	6.56	XZCP1141L2SE	0.090	0.198			
	SFO safety function	safety IO module and		5	16.40	XZCP1141L5SE	0.190	0.418			
LXMMCAPC ••• S100	M12, 4-pin connectors	Communication interconnects (SFO)		10	32.80	XZCP1141L10SE	0.370	0.815			
	Metal clamping ring PUR		Elbowed	2	6.56	XZCP1241L2SE	0.090 0.				
	cable		2.501100	5	16.40	XZCP1241L5SE	0.190				
				10	32.80	XZCP1241L10SE		0.815			
	Sercos cables	Between LMC Pro2 mot	ion	3	9.84	VW3E3065R030	1.367				
	RJ45 / M12 angled, 4-pin	controller or Modicon TN		5	16.40	VW3E3065R050	0.557				
XZCP1141L• XZCP1241L•	connector	controller and Communi		10	32.81	VW3E3065R100		2.37			
	Dedicated	interconnects (with Serc	.05	10	52.01		1.075	2.37			
	Dedicated offer Designation	Description				Reference (1)					
	3-phase Power supply	Input voltage: 380500	) Vac			ABLU3A48200					
	for industrial use, rail mounting	Output voltage: 48 Vdc Nominal power: 960 W Nominal current: 20 A									
VW3E3065R0	<b>Related offers</b>										
	Title					Consult catalog (1)					
	EcoStruxure Machine E	Expert configuration so	oftware			DIA3ED2180701EN					
	PacDrive3 a complete a	automation solution fo	r motor ce	ntric ma	achines	DIA3ED2160301EN					
	PacDrive LMC Pro2 Mc with 0 – 130 servo or ro	bot axes	/lines	s <u>DIA7ED2160303EN</u>							
	Lexium 62 Multi axis se					DIA7ED2160305EN					
	Lexium 62 ILM Multiaxi	-				DIA7ED2160306EN					
	Lexium 62 ILD detache	-				DIA3ED2161202EN					
6666	Lexium T, P Delta 2 and	DIA3ED2160307EN									
ABLU3A48200	Lexium Cobot, Collabor Modicon TM5 High-Per		20 Module	ar I/O ex	(stem	DIA7ED2220801EN DIA3ED2131204EN					
	(1) Click on reference to			a 1/0 sy	5611						

(1) Click on reference to get technical characteristics.

### Configuration

### Lexium MC12 multi carrier

The multi carrier transport system

#### Configuration

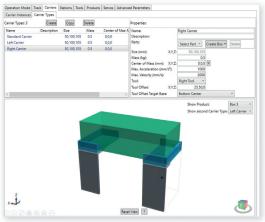


Track configuration

#### Configuration

#### Toolset covering the machine life cycle

- Design & Engineering
  - Physical configuration of the track or generated from scan
  - Definition of coordinate system and direction
  - Handling physical dimensions of carriers and products
  - Visualization and virtual commissioning of multi carrier system
- Implement
  - Library
     Mechanical bricks mounted by the OEM
  - Configurator
- Operating, Maintenance & services
  - Monitoring with Ecostruxure Machine Advisor
  - Visualization



Carrier configuration



Catalog ref. DIA3ED2180701EN

#### Software

- As Lexium MC12 multi carrier becomes part of PacDrive architecture, its configuration is managed with Ecostruxure Machine Expert software (1):
  - Deep integration into engineering environment
  - Different usability levels
  - Motion synchronization capabilities
  - Simulation
  - Visualization
  - Virtual commissioning

#### Libraries

- For the efficient
  - Predefined functions for common needs, like carrier queing, two carrier clamping, multi carrier positioning and release, automatic gap control between moving carriers, ...
- For the experienced
  - Functions working on track level, like scanning a track, management of carriers on the track, monitoring and emergency reactions on track level
- For the experts
  - Carriers are represented like servo axis in the system
    - Existing functionality, e.g. camming can be applied to move carriers
  - Full freedom with full responsibility to manage all movements

(1) Consult catalog ref. DIA3ED2180701EN

### Type code

### Lexium MC12 multi carrier

The multi carrier transport system Segment, Carrier

Type code															
To order a Segment, r	make up the reference as follows:														
		Family		Family		Group		Group Model		Model Segment type		Length	Vvaraiant	Revision	Reserved
Example		L	X	М	М	С	12	М	S	06	S	1	00		
Product family		L	х	М											
Product group	MC: Multicarrier				М	С									
Model	12 = 120N Peakforce						12								
Segment	M = Standard segment							м							
Segment geometry	S= Straight														
	A= Arc outside	Α													
Length	for straight segments length given in	n n50 mn	n <i>(n1.96</i>	<i>in)</i> , e.g	06 = 30	0 mm <i>(1</i>	1.81 in)			06					
	for curved segments angle is given	in n22,5°	, e.g 02	= 45°						02					
Variant	Standard (Anodized Aluminum, IP65)										S				
Revision	1 = Initial version										•				
Reserved	Reserved: allways 00												00		

#### To order a Carrier, make up the reference as follows: Product group Reserved Revision Quantity **G** Length Family Model Variant Group Type X С 12 С Α 1 s 1 00 Example М М L Х Product family L Μ Product group MC: Multicarrier М С Model 120 N Peakforce 12 С Carrier Always C for carrier Type (equals to model of rail) Reserved: allways A Α 5 Size 50 mm (1.96 in) Quantity 1 piece 1 10 pieces Х Variant Standard (Anodized Aluminum, IP65) s Revision 1 = Initial Version • Reserved Reserved: allways 00 00

Type code

### Lexium MC12 multi carrier

The multi carrier transport system Rail, Bridge (Communication interconnect)

Reduct group       MC: Multicarrier       M       C       R	Type code															
Example       L       X       M       M       C       R       A       O       A       O       A       O       A       O       A       O       A       O       A       O       A       O       A       O       A       O       A       O       A       O       A       O       A       O       A       O       A       O       A       A       O       A       A       O       A       A       O       A </th <th>To order a <b>Rail</b> (1), make u</th> <th>p the reference as follows:</th> <th></th>	To order a <b>Rail</b> (1), make u	p the reference as follows:														
Example       V </th <th></th> <th>_</th> <th>g</th>															_	g
Example       V       L       X       M       M       C       R       A       0       A       A       0       A       A       A       0       A       A       0       A </th <th></th> <th></th> <th></th> <th>amily</th> <th></th> <th></th> <th>iroup</th> <th>ail</th> <th>1</th> <th></th> <th>ieo. 2</th> <th>lodel</th> <th>ize</th> <th>ariant</th> <th>evision</th> <th>eserve</th>				amily			iroup	ail	1		ieo. 2	lodel	ize	ariant	evision	eserve
Product family     M	Fxample				м	м										
Product defail       R. Rall	Product family											~	01			
Geometry 1       S = Straight       S = Straight at end(s)       S = Straight at end(s)<	Product group	MC: Multicarrier				М	С									
	Product detail	R: Rail						R								
Genometry 2	Geometry 1	S=Straight S														
E = End of open tradk with curve       E		A=Arc outside A														
B       A	Geometry 2															
Model       Reserved: allwaysA       A       A         Size       nn / (u/lf) u/l equals length of straight segment + air gap between segments. u/l equals approx. Io m (199 m)       a       a       a       a       a       b		E= End of open track with curve									E					
Size       nn / (ulii) uli quale length of straight segments + air gaps => approx. 1.5 m (4.9.2 /l) ral max. rall ength of s.5 m (4.9.2 /l) ral max. ral ength of s.5 m (4.9.2 /l) ral max. ral ength of s.5 m (4.9.2 /l) ral max. ral ength of s.5 m (4.9.2 /l) ral max. ral ength of s.5 m (4.9.4 /l) ral max. ral ength of s.5 m (4.9.4 /l) rad max. ral ength of s.5 m (4.9.4 /l) rad max. ral ength of s.5 m (4.9.4 /l) rad max. ral ength of s.5 m (4.9.4 /l) rad max. ral ength of s.5 m (4.9.4 /l) rad max. ral ength of s.5 m (4.9.4 /l) rad max. ral ength of s.5 m (4.9.4 /l) rad max. ral ength of s.5 m (4.9.4 /l) rad max. ral ength of s.5 m (4.9.4 /l) rad max. ral ength of s.5 m (4.9.4 /l) rad max. ral ength of s.5 m (4.9.4 /l) rad max. ral ength of s.5 m (4.9.4 /l) rad max.		B= Straight at both sides									в					
	Model	Reserved: allways A										Α				
30 equais a length of 5 segments + air gaps >> approx. 1.5 m (4.92 ft) rail max. rail length is 1.5 m (4.92 ft) rail max. rail le	Size		segme	ent + air	gap bet	ween s	egment	s. ul/6 e	equals	approx	κ. 50 n	nm	••			
Reserved:       1 = Initial Version       00         Reserved:       Reserved: allways 00       00<			ir gaps	s => app	rox. 1.5	im (4.9	2 ft) rail	max. ra	il leng	th is 1,	5 m					
Reserved:       Reserved:       allow of the field of the fi	Variant	S = Standard (Anodized Aluminum, I	P65)											S		
(1) Raiks are always sold as a set of two raiks (bottom and top raik).       (2) Max. rail length is 1.5 m (4.92 ft).       (	Revision	1 = Initial Version												_	•	
(2) Max. rail length is 1,5 m (4.92 ft).         To order a Communication interconnect, make up the reference as U-INTERCONNECT, interconnect, make up the reference as U-INTERCONNECT, interconnect interconnect, make up the reference as U-INTERCONNECT, interconnect interconnect interconnect interconnect interconnect interconnect interconnect interconnect, interconnect intercon	Reserved	Reserved: allways 00														00
(2) Max. rail length is 1,5 m (4.92 ft).       To order a Communication interconnect, make up the reference as 100 and	(1) Rails are always sold as a	set of two rails (bottom and top rail).														
Example         L         X         M         C         B         C         A         O         D </td <td>(2) Max. rail length is 1,5 m (4.</td> <td>92 ft).</td> <td>o as fr</td> <td>llows.</td> <td></td>	(2) Max. rail length is 1,5 m (4.	92 ft).	o as fr	llows.												
ExampleLXMMCBCA001S100Product familyMC= MulticarrierIXMMCBII		, <b>.</b>							0							
ExampleLXMMCBCA001S100Product familyMC= MulticarrierIXMMCBII				yiir		4	3	ge	ge type	lel		plies	Intity	ant	ision	erved
Product family Product group MC= Multicarrier Product detail B= Communication interconnect C= Communication closed track C= Communication open end of track P= Power closed track Q= Power open end of track P= Power supply P= Po						c. C	5	Brid	Brid	Mod		Sup	Qua		Rev	Res
Product group         MC = Multicarrier         M         C         B         C         B         C         B         C         B         C         B         C         B         C         B         C         B         C         B         C         B         C         B         C         B         C         B         C         B         C         B         C         B         C         B         C         B         C						М	С	В	С	A	0	0	1	S	1	00
B         B	Product family		L	X	М											
Bridge type         C = Communication closed track         C         D	Product group	MC= Multicarrier				М	С									
$ \begin{array}{c c c c c c } \hline \begin{tince} ti$	Product detail	B= Communication interconnect						В								
P = Power closed track Q = Power open end of trackPPIII	Bridge type	C= Communication closed track							С							
Q = Power open end of trackQQIIIIIIModelA = stands for current Bridge designAAIII		D = Communication open end of trac	k						D							
Model       A = stands for current Bridge design       A       I <td></td> <td>P = Power closed track</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>Ρ</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>		P = Power closed track							Ρ							
Supplies up to 2 different inputs/outputs can be specified $ \begin{bmatrix} 0 & no & supply, plain interconnect \\ D & disconnector, interrupts connection between segment, no supply \\ P & D & D & D \\ P & Power supply \\ S & Bus supply (Sercos III) \\ F & Safe Force Off & F & F & F \\ Quantity & 1 & 1, X & 10 & & & & & & & & & & & & & & & & & $		Q = Power open end of track							Q							
up to 2 different inputs/outputs       D = disconnector, interrupts connection between segment, no supply       D <t< td=""><td>Model</td><td>A= stands for current Bridge design</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>Α</td><td></td><td></td><td></td><td></td><td></td><td></td></t<>	Model	A= stands for current Bridge design								Α						
D = disconnector, interrupts connection between segment, no supply       D	Supplies	0 = no supply, plain interconnect									0	0				
S = Bus supply (Sercos III)       S       S       S       S       F	can be specified	D = disconnector, interrupts connecti	ion bet	ween se	gment,	no sup	ply				D	D				
F = Safe Force Off     F     F       Quantity     1 = 1, X = 10     •       Variant     S = Standard (Anodized Aluminum, IP65)     S       Revision     1 = Initial version     •		P = Power supply									Р	Р				
Quantity 1 = 1, X = 10   Variant S = Standard (Anodized Aluminum, IP65)   Revision 1 = Initial version		S = Bus supply (Sercos III)										S				
Variant     S = Standard (Anodized Aluminum, IP65)     S       Revision     1 = Initial version     •		F = Safe Force Off									F	F				
Revision 1 = Initial version	Quantity	1 = 1, X = 10											•			
	Variant	S = Standard (Anodized Aluminum, I	P65)											S		
Reserved: allways 00 00	Revision	1 = Initial version													•	
	Reserved	Reserved: allways 00														00

### Schneider

Type code

### Lexium MC12 multi carrier

The multi carrier transport system

Accessory

Type cod	e													
To order a	n Accessory, make up the refe	rence as follows:												
					Family			Group	Accessory	Type	Specifics	Variant	Revision	
Example				L	Х	М	М	С	А	RS	0AX	S	1	0
Product fami	ly			L	х	М								
Product grou	ıр	MC: Multicarrier					м	С						
Accessory		A: Accessory							Α					
Accessory	Туре	Specifics	Variant											
type	FC= Safe Force Off cable	xxx: length / 10 cm (3.93 in)	S							FC	•••	S		
	LU= Lubricant	xxx quantity / ml	S							LU	•••	S		
	RS= Roller set	0xy: 0 Roller Type, x: type of rail see	RS	0										
	MG= Magnet	xAy: x: Type of Magnet: E= Encoder,	MG	•A•										
	CT= Carrier drop tool	0A1: 0 is not used, A variant of drop tool, 1 quantity												
	SC= Screw sets	xAy: x: Type of screw: S= Segment,	xAy: x: Type of screw: S= Segment, y qty, 1= 1, X= 10, L= 50								•A•			
	CM= Connection module 20A	D02	S							СМ	D02	S		
	CM= Connection module connector kit	CS1	S							СМ	CS1	S		
	MK= Material kit	001								МК	001			
Revision	1 = Initial version												•	
Reserved	Reserved: allways 00													0

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