

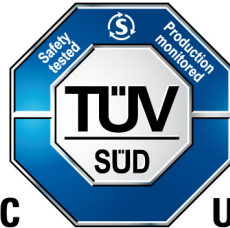
America

CERTIFICATE

No. U8 022795 0117 Rev. 01

Holder of Certificate: **Leuze electronic GmbH + Co. KG**
 In der Braike 1
 73277 Owen
 GERMANY

Certification Mark:



C US

Product: **Control Equipment
 (Proximity Switches - Safety Light Curtain)**

Model(s): MLC series (refer to nomenclature below for details)

Parameters: Transmitter: 24 VDC +/-20%, 50mA (unloaded)
 Receiver: 24VDC +/-20%, 150mA (unloaded)

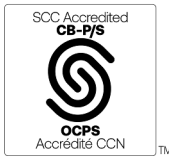
Tested according to: UL 508:2024
 CSA C22.2 No. 14:2018/U1:2022-06

This product was voluntarily tested to the relevant safety requirements referenced on this certificate. It can be marked with the certification mark above. The mark must not be altered in any way. This product certification system operated by TÜV SÜD America Inc. most closely resembles system 3 as defined in ISO/IEC 17067. Certification is based on the TÜV SÜD "Testing, Certification, Validation and Verification Regulations (TCVVR)". TÜV SÜD America Inc. is an OSHA recognized NRTL for USA and a Standards Council of Canada ISO/IEC 17065 accredited Certification body for Canada.

Test report no.: 713369576

Date, 2026-03-23

(Hendrik Elze)



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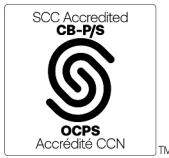
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1. MLC type code A for homogeneous resolution

MLC	x	xx	x	x	x	xx	xxxx	xxx	x
	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)

Position	Value	Meaning	Description
a		Series	
	1		MLC100-Low Cost Series (Type 4)
	3		MLC300-Series (Type 2)
	5		MLC500-Series (Type4)
b		Model	
	00		Transmitter
	01		Transmitter, AIDA connector
	02		Transmitter, Testinput
	10		Receiver, automatic restart
	11		Receiver, AIDA connector, automatic restart
	20		Receiver, PNP Outputs , EDM, RES
	28		Reserved: Receiver, NPN Outputs , EDM, RES
	30		Receiver, PNP Outputs , Muting, Blanking
	35		Receiver, SPG reduced resolution
	38		Reserved: Receiver, NPN Outputs , Muting, Blanking
c		Special	
	-none-		Basic Version
	.1		Double Scan Version
d		Device	
	T		Transmitter
	R		Receiver
e		Range	
	-none-		Basic
	X		Extended Range
f		Resolution	
	14		14mm
	20		20mm
	30		30mm
	40		40mm
	90		90mm
g		Length	
	-150		150mm,300mm...3000mm (in Steps of 150mm)
	... -3000		
	-225		225mm
h		Option	
	None		Basic Type
	H		Host
	G		Guest
	L		L-Shape
	U		U-Shape
	C		Cutter
	V		Vibration
	EX2		ATEX Zone 2 and 22
	SPG		Smart Process Gating



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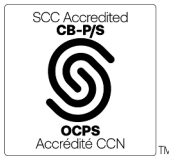
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	SPG- RR		Smart Process Gating-Reduced Resolution	Only for (a):5
i		Interface		
	None		Standard OSSD Interface	
	/A		AS-i Interface	

2. Type code B for mixed resolution

MLC x xx x x xx xxx xx xxx xx xxx xxx x
 (a) (b) (c) (d) (e1) (f1) (e2) (f2) (e3) (f3) (g) (h)

Position	Value	Meaning	Description
a		Series	
	1		MLC100-Low Cost Series (Type 4)
	3		MLC300-Series (Type 2)
	5		MLC500-Series (Type4)
b		Model	
	00		Transmitter
	01		Transmitter, AIDA connector
	02		Transmitter, Testinput
	10		Receiver, automatic restart
	11		Receiver, AIDA connector, automatic restart
	20		Receiver, PNP Outputs , EDM, RES
	28		Reserved: Receiver, NPN Outputs , EDM, RES
	30		Receiver, PNP Outputs , Muting, Blanking
	38		Reserved: Receiver, NPN Outputs , Muting, Blanking
	35		Receiver, SPG reduced resolution
			Only for (a):5
c		Special	
	-none-		Basic Version
	.1		Double Scan Version
d		Device	
	T		Transmitter
	R		Receiver
e1		Resolution1	
	14		14mm
	20		20mm
	30		30mm
	40		40mm
	90		90mm
f1		Length1	
	150		150mm,300mm...3000mm (in Steps of 150mm)
	...		
	3000		
e2		Resolution2	
	/14		14mm
	/20		20mm
	/30		30mm
	/40		40mm
	/90		90mm
f2		Length2	



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	150 ... 3000		150mm,300mm...3000mm (in Steps of 150mm)	
e3		Resolution3		
	-none-		Device with 2 Resolution areas	
	/14		14mm	
	/20		20mm	
	/30		30mm	
	/40		40mm	
	/90		90mm	
f3		Length3		
	-none-		Device with 2 Resolution areas	
	150 ... 3000		150mm,300mm...3000mm (in Steps of 150mm)	
g		Option		
	None		Basic Type	
	C		Cutter	
	V		Vibration	
	EX2		ATEX Zone 2 and 22	
	SPG		Smart Process Gating	
	SPG- RR		Smart Process Gating-Reduced Resolution	Only for (a):5
h		Interface		
	None		Standard OSSD Interface	
	/A		AS-i Interface	