



ASIsafe compact module K45F LS Type 4 (light sensor) for testing semiconductor output Sensor supply from AS-i Maximum current carrying capacity 200 mA Mounting plate 3RK1901-2EA00 or 3RK1901-2DA00 must be ordered separately

General technical data		
design of the product		Safe compact module K45F LS, TYPE4
I/O configuration		0
ID/ID2 code		B/1
protocol is supported AS-Interface protocol		Yes
Number I/O sockets		3
type of electrical connection of the inputs and outputs		M12 screw terminals
operating voltage according to AS-Interface specification	V	26.5 ... 31.5
AS interface total current input max	mA	270
Ground terminal		Flat male tab, 2.8mm width
Addressing		front addressing socket
note		The module suppresses test pulses from testing outputs. As a result, the system extends the reaction time until shutdown of the safety monitor by 20 ms. The voltage range of the sensor supply is 19 to 30 V.
reference code according to DIN 40719 extended according to IEC 204-2 according to IEC 750		A
reference code according to EN 61346-2		A
Inputs		
number of digital inputs safety-related		2
Inputs		electronic input
• sensors		15
• switching level High		5
• switching level Low		5
input current at digital input for signal <1> minimum	mA	5
Outputs		
type of voltage of output voltages		DC
Status display		yellow LED
• display of I/Os		green/red LED
• display of AS-Interface/diagnostics		
Ambient conditions		
ambient temperature		
• during operation	°C	-25 ... +70
• during storage	°C	-40 ... +85
protection class IP		IP67
Mechanical data		
width	mm	45
height	mm	80
depth	mm	34
fastening method		standard rail mounting/wall mounting using mounting plate for K45 compact module

Certificates/ approvals

General Product Approval

EMV

Test Certificates



[Miscellaneous](#)

Maritime application

other

Environment



[Confirmation](#)

[Environmental Con-  
firmations](#)

Further information

Information on the packaging

<https://support.industry.siemens.com/cs/ww/en/view/109813875>

Information for data generation and storage

<https://support.industry.siemens.com/cs/ww/en/view/109995012>

Information- and Downloadcenter (Catalogs, Brochures,...)

<https://www.siemens.com/ic10>

Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RK1205-0BQ24-0AA3>

Cax online generator

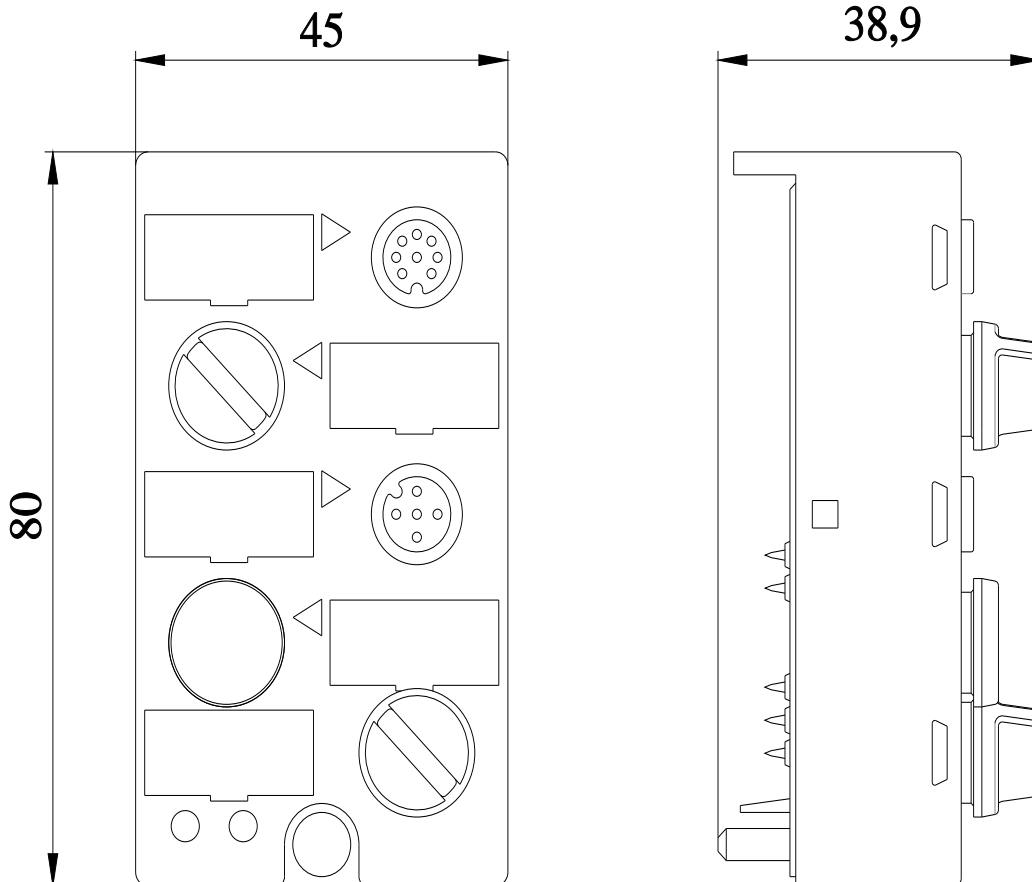
<https://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RK1205-0BQ24-0AA3>

Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

<https://support.industry.siemens.com/cs/ww/en/ps/3RK1205-0BQ24-0AA3>

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

[https://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3RK1205-0BQ24-0AA3&lang=en](https://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RK1205-0BQ24-0AA3&lang=en)



last modified:

4/1/2025