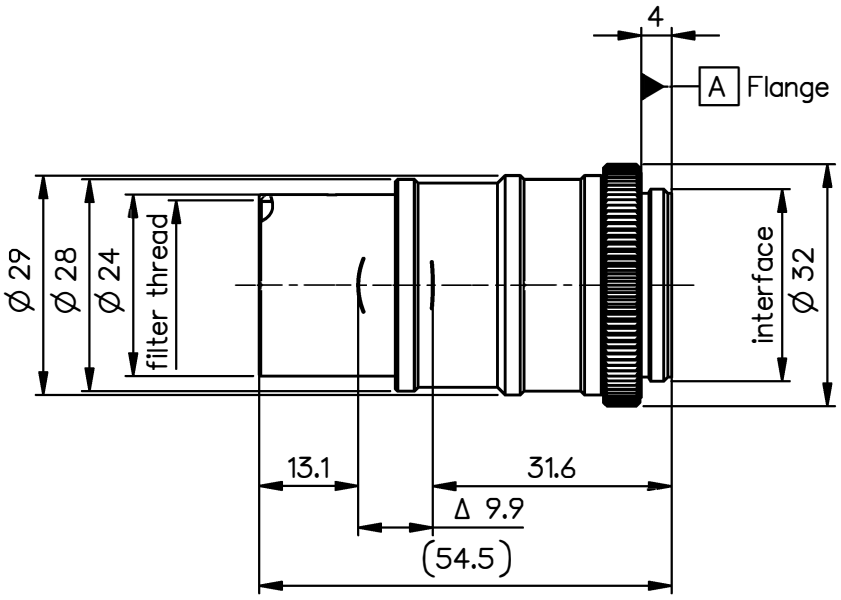
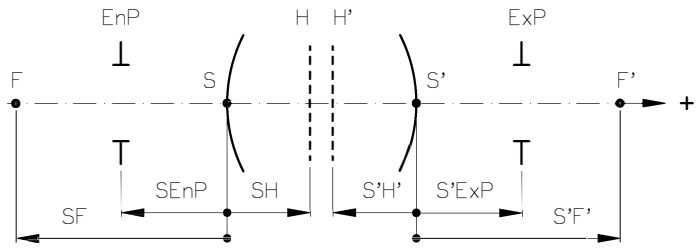
order number	lens name	f-stop
0009-191-000-40	Macro-CCD-Lens -0.5x 5.6	5.6
0009-191-000-41	Macro-CCD-Lens -0.5x 8	8



Specification	
image circle max. (mm)	11
focal length f' (mm)	35.1
magnification β' [range]	-0.5
spectral range λ (nm)	400 - 750

schematic diagram *) in air



ON	
working distance (mm)	90
interface	C-mount
filter thread	M22.5 x0.5
weight (g)	55
design includes CCD cover glass:	no

		f-stop	Ø EnP	Ø ExP
SF (mm)	-33.3			
S'F' (mm) *)	27.7			
HH' (mm) *)	0.7			
SH (mm)	1.8			
S'H' (mm) *)	-7.4			
SEnP (mm)				
S'ExP (mm) *)				

NX

EU-D | AL-T1A | US-D | US-ML: not export controlled

PDM Status: Freigabe | -

REV	ECC	DATE	APPROVED
a	neu		
b	08-0281	24.11.08	
c	11-0358	20.07.11	
d	14-0184	21.08.14	
e	14-0184	17.08.15	
f	17-0915	05.12.17	

GENERAL TOLERANCE OF DIMENSION, FORM, POS. | SURF. TREATMT

BASIC TOLERANCING PRINCIPLE

	DATE	NAME
FIRST ISSUE	21.08.14	
CHKD	21.08.14	

SCALE

MATERIAL

TITLE

Macro-CCD-Lens 0.5x

PROTECTIVE NOTE "DIN ISO 16016" TO BE OBSERVED

DIN A 4

ALL DIMENSIONS ARE IN MM AND INCLUDE SURFACE TREATMENT

excelitas®

DRAWING NO. 0009-191-100-00-0001f

SHEET 1 OF 1

REPLACES