



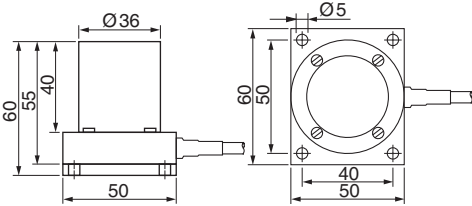
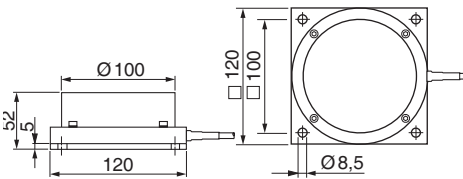

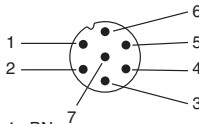
High temperature 200 °C

Proximity sensor

PTFE housing

No cooling



Design	INT020-S200		INT100-S180	
Dimensions				
Installation non flush (nf)				
Operating distance sn [mm]	15 nf		50 nf	
Adjustable range [mm]	5...20		10...80	
ID-No.	P31101	P30411	P31103	P30427
Type	INT020-S200 K	INT020-S200 GC	INT100-S180 K	INT100-S180 GC
Limiting temperature [°C]	250		200	
Nominal temperature [°C]	200		180	
Temperature deviation [mm/°C] (not linear)	0.05		0.06	
EMC-class	B			
Protection [EN 60529]	IP 40			
Housing material	PTFE			
Mounting	Aluminium plate			
Sensing material [ST 37]	40x40x1		100x100x1	
Connecting cable	5 m PTFE shielded			
Connection and required Amplifier	clamp connection IKM 120 GPP	plug C 16 IU 130...	clamp connection IKM 120 GPP	plug C 16 IU 130...
Special notes	If the ambient temperature exceeds 230 °C, there might be failed reactions from the sensor, but it will not be destroyed by this. The inductive high temperature proximity switches must be used with an amplifier. The connection cable can be up to 10 m long. We can supply the cable with a flexible aluminium tube on request.			
Connection diagram	Sensor-Connection sensors INT...K to IKM 120 GPP		Plug C 16: connection for Sensors INT...to IU 130...	
Amplifiers see page 3.34 - 3.35				
Temperature depending parameters are described in the technical manual				
Accessories			plug C 16	