
**Selection guide**
**M8 extended range, short housing**

Con- nec- tion	Rated operating distance Sn	Dete- ction princi- ple	Ordering no. NPN, Normally open	Ordering no. PNP, Normally open	Ordering no. NPN, Normally closed	Ordering no. PNP, Normally closed
Cable	2 mm	Flush	ICS08S30F20A2NO	ICS08S30F20A2PO	ICS08S30F20A2NC	ICS08S30F20A2PC
Plug			ICS08S30F20M5NO	ICS08S30F20M5PO	ICS08S30F20M5NC	ICS08S30F20M5PC
Cable	4 mm	Non- flush	ICS08S30N40A2NO	ICS08S30N40A2PO	ICS08S30N40A2NC	ICS08S30N40A2PC
Plug			ICS08S30N40M5NO	ICS08S30N40M5PO	ICS08S30N40M5NC	ICS08S30N40M5PC

**M8 extended range, long housing**

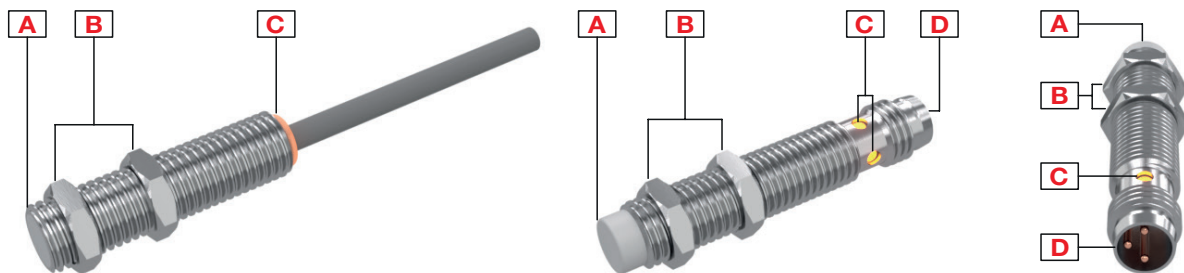
Con- nec- tion	Rated operating distance Sn	Dete- ction princi- ple	Ordering no. NPN, Normally open	Ordering no. PNP, Normally open	Ordering no. NPN, Normally closed	Ordering no. PNP, Normally closed
Cable	2 mm	Flush	ICS08L45F20A2NO	ICS08L45F20A2PO	ICS08L45F20A2NC	ICS08L45F20A2PC
Plug			ICS08L45F20M5NO	ICS08L45F20M5PO	ICS08L45F20M5NC	ICS08L45F20M5PC
Cable	4 mm	Non- flush	ICS08L45N40A2NO	ICS08L45N40A2PO	ICS08L45N40A2NC	ICS08L45N40A2PC
Plug			ICS08L45N40M5NO	ICS08L45N40M5PO	ICS08L45N40M5NC	ICS08L45N40M5PC

**IO-Link types**

Con- nec- tion	Body style	Dete- ction princi- ple	Rated operating distance Sn	Output type	Ordering no.
Cable	Short	Flush	Configurable: 1 or 2mm <b>Factory setting: 2mm</b>	Configurable: NPN/PNP/ push-pull NO/NC <b>Factory setting: PNP, NO</b>	ICS08S30F20A2IO
Plug			ICS08S30F20M5IO		
Cable		Non- flush	Configurable: 2 or 4mm <b>Factory setting: 4mm</b>		ICS08S30N40A2IO
Plug			ICS08S30N40M5IO		
Cable	Long	Flush	Configurable: 1 or 2mm <b>Factory setting: 2mm</b>		ICS08L45F20A2IO
Plug			ICS08L45F20M5IO		
Cable		Non- flush	Configurable: 2 or 4mm <b>Factory setting: 4mm</b>		ICS08L45N40A2IO
Plug			ICS08L45N40M5IO		

## Structure

### ICS08



Element	Component	Function
A	Sensing face	Flush or non-flush
B	2 nuts	For sensor mounting
C	LED	Yellow LED: Output flashing: short circuit or overload indication
D	M8, 3 pin, male connector	For plug versions only