



Technical data

Characterization		IN 40-S-M8	IN 40-S-M12	INK 40-S	IN 40-O-M8	IN 40-O-M12	INK 40-O
ID		0301474	0301574	0301555	0301484	0301584	0301556
Principle of function							
Measuring principle		inductive	inductive	inductive	inductive	inductive	inductive
Switching function		Closer	Closer	Closer	Opener	Opener	Opener
Type of switching		PNP	PNP	PNP	PNP	PNP	PNP
Number of switching points		1	1	1	1	1	1
Teach function		no	no	no	no	no	no
General data							
Switching distance	[mm]	0.8	0.8	0.8	0.8	0.8	0.8
Switching hysteresis from the nominal switching distance		< 5%	< 5%	< 5%	< 5%	< 5%	< 5%
Max. switching frequency	[Hz]	3000	3000	3000	3000	3000	3000
Min./max. ambient temperature	[°C]	-25/70	-25/70	-25/70	-25/70	-25/70	-25/70
LED display in sensor		yes	yes	yes	yes	yes	yes
Electrical operating data							
Type of voltage		DC	DC	DC	DC	DC	DC
Nominal voltage	[V]	24	24	24	24	24	24
Min./max. operating voltage	[V]	10/30	10/30	10/30	10/30	10/30	10/30
Voltage drop	[V]	0.6	0.6	0.6	0.6	0.6	0.6
Max. switching current	[A]	0.2	0.2	0.2	0.2	0.2	0.2
Short circuit protection		yes	yes	yes	yes	yes	yes
Protected against polarity reversal		yes	yes	yes	yes	yes	yes
Mechanical operating data							
Housing material		stainless steel	stainless steel	stainless steel	stainless steel	stainless steel	stainless steel
Cable connector/cable end		M8, 3-pin Male Connector	M12 connector, 3-pin	open wire strands	M8, 3-pin Male Connector	M12 connector, 3-pin	open wire strands
Cable length L	[cm]	30	30	200	30	30	200
Cable diameter D	[mm]	3.5	3.5	3.5	3.5	3.5	3.5
Cable design (wire cross section / number of wires)		3x 0.14mm ²	3x 0.14mm ²	3x 0.14mm ²	3x 0.14mm ²	3x 0.14mm ²	3x 0.14mm ²
Cable sheath material		PUR	PUR	PUR	PUR	PUR	PUR
Min. bending radius (dynamic)	[mm]	35	35	35	35	35	35
Min. bending radius (static)	[mm]	17.5	17.5	17.5	17.5	17.5	17.5
Weight	[kg]	0.04	0.05	0.06	0.04	0.05	0.04
Protection class IP (sensor, plugged)		67	67	67	67	67	67
Protection class		II	II	II	II	II	II
Options and their characteristics							
Version with lateral cable outlet		IN 40-S-M8-SA	IN 40-S-M12-SA	INK 40-S-SA			
ID		0301473	0301577	0301565			
LED display in sensor		yes	yes	yes			