

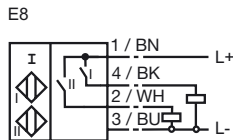
CE

Model Number

NBN3-F25F-E8-V1-Y180448

Features

- Satisfies machinery directive

Connection**Dimensions****Technical Data****General specifications**

Switching element function		PNP	Dual NO
Rated operating distance	s_n	3 mm	
Installation		flush mountable	
Output polarity		DC	
Assured operating distance	s_a	0 ... 2.43 mm	
Reduction factor r_{Al}		0.5	
Reduction factor r_{Cu}		0.4	
Reduction factor r_{V2A}		1	
Reduction factor r_{St37}		1.1	

Nominal ratings

Operating voltage	U_B	10 ... 30 V
Switching frequency	f	0 ... 500 Hz
Hysteresis	H	typ. 5 %
Reverse polarity protected		all connections
Short-circuit protection		pulsing
Voltage drop	U_d	≤ 3 V
Operating current	I_L	0 ... 200 mA
Off-state current	I_r	0 ... 0.5 mA typ. 0.1 μ A at 25 °C
No-load supply current	I_o	≤ 25 mA
Operating voltage display		LED, green
Indication of the switching state		LED, yellow

Standard conformity

EMC in accordance with	IEC / EN 60947-5-2:2004
Standards	IEC / EN 60947-5-2:2004

Ambient conditions

Ambient temperature	-25 ... 70 °C (-13 ... 158 °F)
Storage temperature	-40 ... 85 °C (-40 ... 185 °F)

Mechanical specifications

Housing material	PBT
Sensing face	PBT
Protection degree	IP67
Note	Mounted on mechanical drive