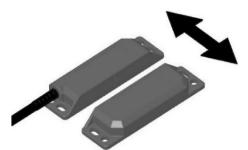
IDEM LMF Series Non-Contact RFID Coded Safety Switches



Actuator Operating Direction



Description

IDEM's LMF Series of non-cantact RFID Coded Safety Switches has been designed to provide interlock protection on hinged, sliding or removable guard doors.

These switches are particularly advantageous when poor guard alignment exists, when high-level anti-tamper is required, where highhygiene requirements exist (e.g. in food industry hosedown applications) or where long mechanical life is required. When used in combination with a dual channel safety relay or control

dual channel safety relay of control device, Non-Contact Safety Switches can be used to provide protection up to Category 4 and PLe to ISO13849-1.

Features

- Designed to provide a safety interlock on hinged, sliding or removable guard doors
- Suitable for use in extreme temperature or moisture environments
- Wide (>10mm) sensing distance
- High tolerance for misalignment after sensing
- Supplied factory coded either uniquely (U types) or by a master code (M types)
- Provide a high level of anti-tamper protection
- Suitable for use in high-hygiene requirement areas (e.g. food industry hosedown)
- No moving or touching parts for long mechanical life
- Designed to conform to EN60947-5-3
- For use as directed by ISO14119 and EN ISO12100

LMF Series Non-Contact RFID Coded Safety Switches Selection Guide						
Part Number	Price	Body Material	Coding	Connection	Cable Length (Dimension A)	Outputs
LMF-U-406002	\$199.00	316 stainless steel	Uniquely coded RFID	Pigtail	5m [16.4 ft]	2 NC safety outputs 1 NO monitoring output
LMF-U-406003	\$212.00	316 stainless steel	Uniquely coded RFID	Pigtail	10m [32.8 ft]	2 NC safety outputs 1 NO monitoring output
LMF-U-406004	\$217.00	316 stainless steel	Uniquely coded RFID	8-pin M12 quick-disconnect	250mm [9.8 in]	2 NC safety outputs 1 NO monitoring output
<u>LMF-M-406102</u>	\$199.00	316 stainless steel	Master coded RFID	Pigtail	5m [16.4 ft]	2 NC safety outputs 1 NO monitoring output
<u>LMF-M-406103</u>	\$212.00	316 stainless steel	Master coded RFID	Pigtail	10m [32.8 ft]	2 NC safety outputs 1 NO monitoring output
LMF-M-406104	\$217.00	316 stainless steel	Master coded RFID	8-pin M12 quick-disconnect	250mm [9.8 in]	2 NC safety outputs 1 NO monitoring output

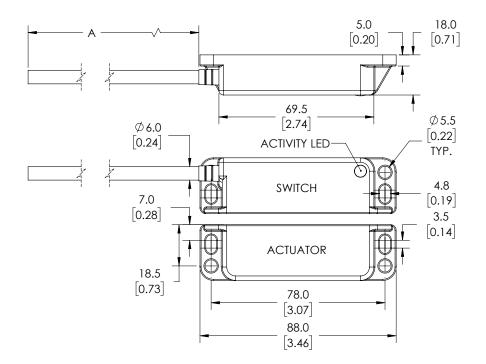
LMF Series Non-Contact Master Coded RFID Safety Switch Actuator Replacement					
Part Number	Price	Body Material	Coding		
LMF-406201	\$42.50	316 stainless steel	Master		

Female Quick Disconnect Lead				
Part Number	Price	Description	Exit Type/Cable Length	
<u>140101</u>	\$33.00	Female QD Lead	M12 Female 5m [16.4 ft], 8-pin	
<u>140102</u>	\$54.00	Female QD Lead	M12 Female 10m [32.8 ft], 8-pin	

IDEM LMF Series Non-Contact RFID Coded Safety Switches

Dimensions

mm [inch]

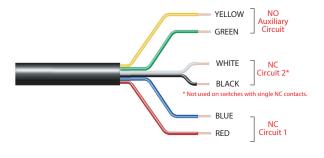


See our website www.AutomationDirect.com for complete engineering drawings.

IDEM Non-Contact Safety Switches Electrical Connections and Dimensions

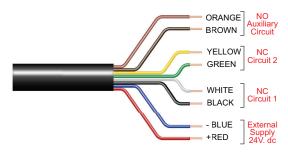
Electrical Connections

Magnetic Switches



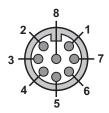
Magnetic Switches - Electrical Connections				
Quick Disconnect Connector Pin Out	Lead Color	Type of Circuit (Actuator Present)		
4	Yellow	Auxiliary (NO)		
6	Green	Auxiliary (NO)		
7	Black	NC2		
1	White	NC2		
2	Red	NC1		
3	Blue	NC1		

Coded Magnetic and RFID Switches



Coded Magnetic Switches - Electrical Connections				
Quick Disconnect Connector Pin Out	Lead Color	Type of Circuit (Actuator Present)	Output Types (Solid State)	
8	Orange	Auxiliary (NO)	200mA max. 24VDC	
5	Brown	Auxiliary (NO)		
4	Yellow	NC2	200mA max. 24VDC (Optocoupler)	
6	Green	NC2		
7	Black	NC1	200mA max. 24VDC (Optocoupler)	
1	White	NC1		
2	Red	Supply +24VDC	Supply 24VDC +10% / -15%	
3	Blue	Supply 0VDC		

Connection Colors

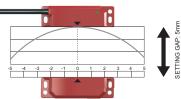


Pin View from Switch

IDEM Non-Contact Safety Switches Specifications

Non-Contact Magnetic Switches Non-Contact Magnetic Switches Non-Contact RFID Coded Switches Safety Classification and Refability Dat No rechard RFID Coded Switches No rechard RFID Coded Switches Switching Reliability (\$10d) 33:10 ¹⁰ operators of 100m Nod No rechard parts implemented No rechard Reliable No rechard Reliable Stor 13849-1 Up to Recently upon splan achieute Up to Recently upon splan achieute Safety Data Stor 100 - Contact MR (Life) 20 to Recently upon splan achieute Safety Data AT7 x 10 ⁻¹⁰ PFHd 28:10 ⁻¹⁰ 28 to 10 ⁻¹⁰ 28 to 10 ⁻¹⁰ 477 x 10 ⁻¹⁰ Proof Test Interval (Life) 29 yans 1100 yans 1100 yans MTFH 470 yans 470 yans 120 yans THTH 470 yans 24000, 0.2 A max (opticouplet) 24000, 0.2 A max (opticouplet) Contact Ratings: Safety Contact NC Wing the R2MOC, 0.5 A max, end (opticouplet) 24000, 0.2 A max (opticouplet) 24000, 0.2 A max (opticouplet) Contact Ratings: Monitoring (Auxilary) Contact NO MRF to externily 0.4 A/F) NA NA MRF to externily 0.4 A/F) Recommended Fuses (NC Circuit)s) NA NA	Non-contact Safety Switches Specifications				
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EN 62061 Up to S1.3 depending uon system architecture 3 archy Data - Annual Usage 3 ar	ISO 13849-1		Up to category 4		
Safety Data - Annual Usage 8 cyclis per hour /24 hours per day /385 days PFHd 2.6 x 10°10 2.6 x 10°10 2.6 x 10°10 PFHd 2.6 x 10°10 2.6 x 10°10 2.6 x 10°10 PFHd 470 years 1100 years MTTFd 470 years 1100 years Agency Approvals CE. clus Contact Ratings: Safety Contact NC MMR: Weage bes: 220WC, 0.6 A max. DPR, UAR, YSMM, SMP+ Weage bes: 220WC, 0.6 A max. 24WDC, 0.2 A max (optionaption) Contact Ratings: Monitoring (Auxilary) Contact MD Weage bes: 220WC, 0.6 A max. 24WDC, 0.2 A max (optionaption) 24WDC, 0.2 A max (optionaption) Contact Release Time Contact Release Time Contact Release Time Contact Releases Time Contact Release Time Contact Releases Time Contact Releases Time Contact Releases Time Contact Releases Time Contact	ISO 13849-1		Up to PLe depending upon system architecture		
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MTTFd 470 years 470 years 1100 years Agency Approvals CR, dUus CR, dUus Electrical and General Specifications WPR Voltage free: 250/AC, 0.5 A max. UPP, UMR, SPR, SMR, SMR-F. Voltage free: 250/AC, 0.2 A max. 24/OC, 0.2 A max (optocoupler) 24/OC, 0.2 A max (optocoupler) Contact Ratings: Safety Contact NC 26/OC, 0.2 A max. 24/OC, 0.2 A max (optocoupler) 24/OC, 0.2 A max (optocoupler) 24/OC, 0.2 A max. 24/OC, 0.2 A	PFHd	2.8 x 10 ⁻¹⁰	2.6 x 10 ⁻¹⁰	4.77 x 10 ⁻¹⁰	
Agency Approvals CE. Citius Contact Ratings: Sately Contact NC MPR: Volage free: 20WC, 0.5 A max. Volage free: 20WC, 0.2 A max. DPR, CMR, CMR, H. WPR. Volage free: 20WC, 0.2 A max. DPR, CMR, CMR, H. WPR. Volage free: 20WC, 0.2 A max. DPR, CMR, CMR, H. WPR. Volage free: 20WC, 0.2 A max. 24VDC, 0.2 A max. (optocoupler) 24VDC, 0.2 A max. Contact Ratings: Monitoring (Auxilary) Contact NO Volage free: 20WC, 0.2 A max. DPR, CMR, CMR, CMR, H. WPR. Volage free: 20WC, 0.2 A max. 24VDC, 0.2 A max. 24VDC, 0.2 A max. 24VDC, 0.2 A max. Contact Ratings: Monitoring (Auxilary) Contact NO Volage free: 24VDC, 0.2 A max. 24VDC, 0.2 A max. 24VDC, 0.2 A max. 24VDC, 0.2 A max. MPR: Fise admentally 0.4 A (F) LPR. LMR, SPR, SMR-F, CMC, CMR-F- Fise admentally 0.5 A (F) NA NA Initial Contact Resistance -2010 milliohn NA NA NA Diselectic Withstand 250VAC 250VAC 250VAC 250VAC Insulation Resistance -500 milliohn NA NA NA NO Switching Operation Foral switches the MC circuits close decaded with the actuator is present. 000 present before NC circuits close Obswitching Operation -501 milliohn NG Switching Operation CPR. LPR, MPR, SPR, WPR, BPR CMC, CMC-	Proof Test Interval (Life)		20 years	L	
Agency Approvals CE. Cultus Contact Ratings: Safety Contact NC MPR: Voltage free: 20WAC, 0.5 A max. UPR, UMR, SPR. SMR, SMR, FE. Voltage free: 20WAC, 0.1 A max. DEPR, CMR, CMR-FF, WPR, 20WAC, 0.1 An anx. DEPR, CMR, CMR-FF, WPR, 20WAC, 0.1 An anx. DEPR, CMR, CMR-FF, WPR, 20WAC, 0.1 An anx. 24VDC, 0.2 A max. (cptocoupler) 24VDC, 0.2 A max. (cptocoupler) Contact Ratings: Monitoring (Auxilary) Contact NO Voltage free: 2VMC, 0.2 A max. DPR, CMR, CMR-FF, WPR, 20WAC, 0.1 An anx. 24VDC, 0.2 A max. 24VDC, 0.2 A max. 24VDC, 0.2 A max. Contact Release Time 2VMC, 0.2 A max. 24VDC, 0.2 A max. 24VDC, 0.2 A max. 24VDC, 0.2 A max. MPR: Fuse extensity 0.4 A (F) BPR, DMR, PR, SMR, SMR-F, CMC, CMR-FF, Fuse extensity 0.5 A (F) BPR, DMR, PR, SMR, SMR-F, CMC, CMR-FF, Fuse extensity 0.5 A (F) BPR, DMR NA NA Contact Release Time -2mm NA NA NA Initial Contact Resistance -300 milliohm NA NA NA Dielectic Withstand 250VAC 550VAC 550VAC 550VAC Insulation Resistance -500 milliohm NG Switching Operation For all switches the C Circuits are closed with the extuator is present. 700 Parting Tree quere of the extuator is present. OS Switching Operation -500 milliohm -500 m	MTTFd	470 years	470 years	1100 years	
Electrical and General Specifications MPR Voltage line: 250WC, 0.5 A max. LPR, UNR, SPR, SMR, SMR, SMR, SMR, SMR, SMR, SMR, SM	Anency Approvals			,	
MPR: Voltage free: 250/AC, 0.5 A max. LPR, LMR, SPR: SMR: SMR: TMR-T. Voltage free: 250/AC, 0.5 A max. CPR, CMR, CMR-F, WRR. BRR, BMR: 24WOC, 0.2 A max (optocoupler) 24VOC, 0.2 A max (optocoupler) 24VOC, 0.2 A max (optocoupler) Contact Ratings: Monitoring (Auxilary) Contact NO Write: 250/AC, 0.5 A max. BRR, BMR: 24WOC, 0.4 A fp. 24VOC, 0.2 A max (optocoupler) 24VOC, 0.2 A max (optocoupler) Contact Ratings: Monitoring (Auxilary) Contact NO Write: pase dermally 0.4 A fp. 24VOC, 0.2 A max. 24VOC, 0.2 A max. Contact Release Time -250 MR, SMR-F, CMR, CMR-FF. Fise externally 0.5 A fp. NA NA Contact Release Time -2000 MR, SA FD. NA NA Minimum Switched Current 100 L; tmA NA NA Dielectic Withstand -2000 milliohm NA NA Recommended Setting Gap 5mm (0.20 in) Sm (assard 00H) erm (0.31 in) close; Sar (assard 0F) 20mm (0.79 in) cpen NO Switching Distance San (assard 0M) erm (0.31 in) close; Sar (assard 0F) 20mm (0.79 in) cpen Sm (assard 0F) 20mm (0.79 in) cpen NO Switching Gap Sm (assard 0M) erm (0.31 in) close; Sar (assard 0F) 20mm (0.79 in) cpen Sar (assard 0F) 20mm (0.79 in) cpen NO Switching Operation For all switches the NC circuits to cose Sm (assard 0H) erm (0.31 in) close; Sa		Electrical and General Spe	,		
Contact Ratings: Salety Contact NC LPR, LMR, SPR, SMR, SMR-F. Vollage free: 2000(-10 A max. 2000X2, 20 A max. 24VDC, 0.2 A max (optocoupler) 24VDC, 0.2 A max (optocoupler) Contact Ratings: Monitoring (Auxilary) Contact NO Vollage free: 2000(-0.0 A max. 2000X2, 20 A max. 24VDC, 0.2 A max. <th></th> <th></th> <th></th> <th></th>					
Voltage free: 2004/C, 20 A max. PR BMR. 2407/C, 224/02/C, 10 A max. PR BMR. 2207/C, 224/02/C, 10 A max. 24VDC, 0.2 A max. 24VDC, 0.2 A max. Mainternal Prese extentially 0.6 A (F) NA NA PR BMR. LPR, LMR, SPR, SMR, SMR-F, CMR, CMR-F. NA NA Contact Release Time -2010/01 (5 A (F)) NA NA Initial Contact Resistance -300 millioim NA NA Minimum Switched Current 10 DC, TmA Delectic Withstand 250VAC Insulation Resistance -300 millioim NA NA NC Switching Operation For all switches the NC circuits are closed when the guard is closed and the actuator is present. NC Switching Operation For all switches the NC circuits are closed when the guard is closed and the actuator is present. NO Switching Terequency 10 It Max. Approach Speed Soluting Terequency 10 It Max. Approach Speed Body Material - Polyester CPR, IPR, MPR, SPR, MPR, BPR CPC, IPR, SPC, WPC LPF, SPF, BPF Operation CPR, IPR, MPR, SMR, SMR-F, BMR CPC, CMC, FL, MC, SNC, SMC - F LMF, BMF	Contact Ratings: Safety Contact NC	LPR, LMR, SPR, SMR, SMR-F: Voltage free: 250VAC, 1.0 A max.	24VDC 0.2.4 max (optocounter)	24VDC, 0.2.4 max (ontocounler)	
Contact Ratings: Monitoring (Auxilary) Contact NO Vollage free: 24/VDC, 0.2 A max. 24/VDC, 0.2 A max. <t< th=""><th>contact natings. Safety contact No</th><th>Voltage free: 250VAC, 2.0 A max. BPR, BMR:</th><th>24VDC, 0.2 A max (optocoupier)</th><th>24vDC, 0.2 A max (optocoupler)</th></t<>	contact natings. Safety contact No	Voltage free: 250VAC, 2.0 A max. BPR, BMR:	24VDC, 0.2 A max (optocoupier)	24vDC, 0.2 A max (optocoupler)	
MPR: Fuse externally 0.4 A (F) NA NA IPR, LIMR, SPR, SMR, SMR-F, CMR, CMR-F: Fuse externally 0.5 A (F) NA NA Contact Release Time -2ms NA NA Initial Contact Resistance -2ms NA NA Initial Contact Resistance -2ms NA NA Initial Contact Resistance -2ms NA NA Delectic Withstand 250%C -2ms NA NA Insulation Resistance -2ms 100 Meghms -2ms NA NA Recommended Setting Gap	Contact Patings: Manitoring (Auxilary) Contact NO			24VDC 0.24 may	
Recommended Fuses (NC Circuits) LPR, LMR, SPR, SMR, SMR-F, CMR, CMR-F, Fuse externally 16.A (F) NA NA CPR, WPR: Fuse externally 16.A (F) BPR, BMR: Fuse externally 15.A (F) NA NA Contact Release Time .2ms NA NA Initial Contact Resistance .500 milliohm NA NA Minimum Switched Current 10 DC, 1mA NA NA Dielectic Withstand .250VAC	Comact Haimys. Momenting (Auxilary) Comact NO		24VDC, 0.2A Max.	24VDC, 0.2A Max.	
CPR. WPR: Fuse externally 1.6 A (F) BPR, BMR: BPR, BMR: Size externally 0.5 A (F) Contact Release Time <2ms Amitial Contact Resistance .500 milliohm Initial Contact Resistance .500 milliohm Minimum Switched Current 10 DC, tmA Dielectic Withstand .250VAC Insulation Resistance .000 Megohms Recommended Setting Gap .500 milliohm NC Switching Distance .500 milliohm NO Switching Operation For all switches the NC circuits are closed when the guard is closed and the actuator is present. NO Switching Operation For all switches the NC circuits close Tolerance to Misalignment 5mm [0.20 in] in any direction from 5mm [0.20 in] setting gap (See Misalignment Range drawing on this page) Switching Frequency .1.0 Hz Max Approach Speed .200mm [7.87 in] per minute to 1000mm [39.37] per second Body Material - Polyester CPR, LPR, MPR, SPR, WPR, BPR CMC, CMC, FL LMC, SMC, SMC F LMF, BMF Polyeating Temperature Range CMR, CMR-F, BMR CMC, CMC, FL LMC, SMC, SMC F LMF, BMF Operating Temperature (Low) -55° to +105° C 1316 Stainless Steel -25° to +105° C 1316 Stainless Steel -25° to +106° F	Pasammandad Europa (NC Circuita)	LPR, LMR, SPR, SMR, SMR-F, CMR, CMR-F:	NA		
Contact Release Time NA NA Initial Contact Resistance .<500 milliohm NA NA Minimum Switched Current .<500 milliohm NA NA Dielectic Withstand .<500 milliohm 10 DC, tmA . Dielectic Withstand .<500 VAC . . . Recommended Setting Gap .<500 VAC . . . NC Switching Distance NO Switching Operation .	necommenueu ruses (NC Circuits)	CPR, WPR: Fuse externally 1.6 A (F) BPR, BMR:	-		
Initial Contact Resistance <500 milliohm	Contact Roloaso Timo	· · · · ·	NA		
Minimum Switched Current 10 DC, tmA Dielectic Withstand 250VAC Insulation Resistance 100 Megohms Recommended Setting Gap 5mm [0.20 in] NC Switching Distance Sao (assured 0N) 8mm [0.31 in] close; Sar (assured 0FF) 20mm [0.79 in] open NC Switching Operation For all switches the NC circuits are closed when the guard is closed and the actuator is present. NO Switching Operation Opens before NC circuits close No Switching Frequency 10 Hz Max. Approach Speed 200mm [7.87 in] per minute to 1000mm [39.37] per second Body Material - Polyester CPR, LPR, MPR, SPR, WPR, BPR CPC, LPC, MPC, SPC, WPC LPF, SPF, BPF Body Material - 316 Stainless Steel CMR, CMR-F, LMR, SMR, SMR-F, BMR CMC, CMC-F, LMC, SMC, SMC-F LMF, BMF Operating Temperature Range 316 Stainless Steel: -25° to +105° C 115 Stainless Steel -25° to +105° C -25° to +00° C (-13° to +176° F) Storage Temperature (Low) -55° to +00° C (-13° to +176° F) -25° to +00° C (-13° to +176° F) -25° to +00° C (-13° to +176° F) Shock Resistance IEC 68-2-27 11ms 30g IEC 68-2-27 11ms 30g IEC 68-2-26 10-55 Hz 1mm [0.04 in] PVC, 65 mm outside diameter max.					
Dielectic Withstand 250VAC Insulation Resistance 100 Megohms Recommended Setting Gap 5mm [0.20 in] NC Switching Distance Sao (assured ON) 8mm [0.31 in] close; Sar (assured OFF) 20mm [0.79 in] open NC Switching Operation For all switches the NC circuits are closed when the guard is closed and the actuator is present. NO Switching Operation Opens before NC circuits are closed when the guard is closed and the actuator is present. NO Switching Frequency 1.0 Hz Max. Approach Speed 200mm [7.87 in] per minute to 1000mm [39.37] per second Body Material - Polyester CPR, LPR, MPR, SPR, WPR, BPR CPC, LPC, MPC, SPC, WPC LPF, SPF, BPF Body Material - 316 Stainless Steel CMR, CMR-F, LMR, SMR, SMR-F, BMR CMC, CMC-F, LMC, SMC, SMC-F LMF, BMF Operating Temperature Range 316 Stainless Steel: -25° to +105° C 1.3° to +22° F] -25° to +80° C [-13° to +176° F] Storage Temperature (Low) -55° to -40° C [-67° to -40° F] -25° to +80° C [-13° to +176° F] -25° to +80° C [-13° to +176° F] Shock Resistance IP67, IP69K (QC versions are IP67 due to connector) -25° to +80° C [-67° to -40° F] -25° to +80° C [-67° to -40° F] EC 68-2-6 10-55 Hz 1mm [0.04 in] Wibration Resistance IPC, 6.5 mm outside diameter max. <th></th> <th></th> <th></th> <th>IN/A</th>				IN/A	
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Body Material - 316 Stainless Steel CMR, CMR-F, LMR, SMR, SMR-F, BMR CMC, CMC-F, LMC, SMC, SMC-F LMF, BMF Operating Temperature Range 316 Stainless Steel: -25° to +105° C [-13° to +221° F] 316 Stainless Steel: -25° to +105° C [-13° to +221° F] -25° to +80° C (-13° to +176° F) Storage Temperature (Low) -55° to -40° C [-67° to -40° F] -25° to +80° C [-13° to +176° F] Enclosure Protection IP67, IP69K (QC versions are IP67 due to connector) Shock Resistance IEC 68-2-67 11ms 30g Vibration Resistance IEC 68-2-6 10-55 Hz 1mm [0.04 in] PVC, 6.5 mm outside diameter max. PVC, 6.5 mm outside diameter max.	··· ·				
Polyester: -25° to +80°C (-13° to +176° F) Operating Temperature Range 316 Stainless Steel: -25° to +105° C [-13° to +221° F] 316 Stainless Steel: -25° to +105° C [-13° to +221° F] -25° to +80° C [-13° to +176° F] Storage Temperature (Low) -55° to -40° C [-67° to -40° F] -25° to +80° C [-13° to +176° F] Enclosure Protection IP67, IP69K (QC versions are IP67 due to connector) Shock Resistance IEC 68-2-27 11ms 30g Vibration Resistance IEC 68-2-6 10-55 Hz 1mm [0.04 in] PVC, 6.5 mm outside diameter max. PVC, 6.5 mm outside diameter max. PVC, 6.5 mm outside diameter max.	· ·				
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Shock Resistance IEC 68-2-27 11ms 30g Vibration Resistance IEC 68-2-6 10-55 Hz 1mm [0.04 in] Cable Type PVC, 6.5 mm outside diameter max. PVC, 6.5 mm outside diameter max.	Storage Temperature (Low)		-55° to -40° C [-67° to -40° F]		
Vibration Resistance IEC 68-2-6 10-55 Hz 1mm [0.04 in] Cable Type PVC, 6.5 mm outside diameter max. PVC, 6.5 mm outside diameter max. PVC, 6mm [0.24 in] outer diameter max.	Enclosure Protection				
Cable Type PVC, 6.5 mm outside diameter max. PVC, 6.5 mm outside diameter max. PVC, 6.5 mm outside diameter max.	Shock Resistance	IEC 68-2-27 11ms 30g			
	Vibration Resistance	IEC 68-2-6 10-55 Hz 1mm [0.04 in]			
	Cable Type	PVC, 6.5 mm outside diameter max.	PVC, 6.5 mm outside diameter max.	PVC, 6mm [0.24 in] outer diameter max.	
<i>iviountina Boits (recommended)</i> 2 x M4: Tiahtening torque: 1.0 N•m [0.74 lb•ft]	Mounting Bolts (recommended)	:	2 x M4; Tightening torque: 1.0 N●m [0.74 Ib●ft]	

Note: Always mount onto non-Ferrous materials.



Misalignment Range

Safety Products



Warning: Safety products sold by AutomationDirect are Safety components only. The purchaser/installer is solely responsible for the application of these components and ensuring all necessary steps have been taken to assure each application and use meets all performance and applicable safety requirements and/or local, national and/or international safety codes as required by the application. AutomationDirect cannot certify that our products, used solely or in conjunction with other AutomationDirect or other vendors' products, will assure safety for any application. Any person using or applying any products sold by AutomationDirect is responsible for learning the safety requirements for their individual application and applying them, and therefore assumes all risks, and accepts full and complete responsibility, for the selection and suitability of the product for their respective application.

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