

Temperature Extension-Low Temperature-W80



Description:

Plastic housing, rectangular 80x80mm, DC 2-wire output, wide voltage range, temperature range down to -40°C, IP67 protection class, power and action LED indicator.

Inductive Sensors

Technical Data:

Type	Rated Operating Distance Sn	Mounting	Output	Voltage Range U _B	Rated Current	Switching Frequency	Ambient Temperature	Connection	Fig
Fi40-W80-OD6L-Q/TB40	40mm	Flush	DC NO	10...30VDC	≤100mA	50Hz	-40...70°C	Terminal	Fig.1
Ni50-W80-OD6L-Q/TB40	50mm	Non-flush	DC NO	10...30VDC	≤100mA	30Hz	-40...70°C	Terminal	Fig.1
Fi40-W80-CD6L-Q/TB40	40mm	Flush	DC NC	10...30VDC	≤100mA	50Hz	-40...70°C	Terminal	Fig.1
Ni50-W80-CD6L-Q/TB40	50mm	Non-flush	DC NC	10...30VDC	≤100mA	30Hz	-40...70°C	Terminal	Fig.1
Fi40-W80-OD6L-Q12/TB40	40mm	Flush	DC NO	10...30VDC	≤100mA	50Hz	-40...70°C	M12 Connector	Fig.2
Ni50-W80-OD6L-Q12/TB40	50mm	Non-flush	DC NO	10...30VDC	≤100mA	30Hz	-40...70°C	M12 Connector	Fig.2
Fi40-W80-CD6L-Q12/TB40	40mm	Flush	DC NC	10...30VDC	≤100mA	50Hz	-40...70°C	M12 Connector	Fig.2
Ni50-W80-CD6L-Q12/TB40	50mm	Non-flush	DC NC	10...30VDC	≤100mA	30Hz	-40...70°C	M12 Connector	Fig.2
Fi40-W80-OD9L-Q/TB40	40mm	Flush	DC NO	10...60VDC	≤100mA	50Hz	-40...70°C	Terminal	Fig.1
Ni50-W80-OD9L-Q/TB40	50mm	Non-flush	DC NO	10...60VDC	≤100mA	30Hz	-40...70°C	Terminal	Fig.1
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Ni50-W80-CD9L-Q12/TB40	50mm	Non-flush	DC NC	10...60VDC	≤100mA	30Hz	-40...70°C	M12 Connector	Fig.2

Dimensions:

Fig.1

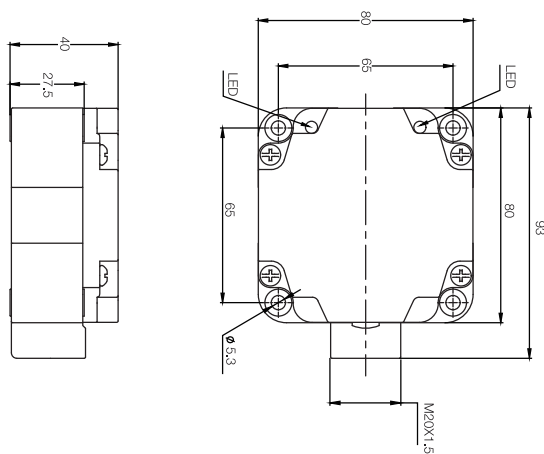
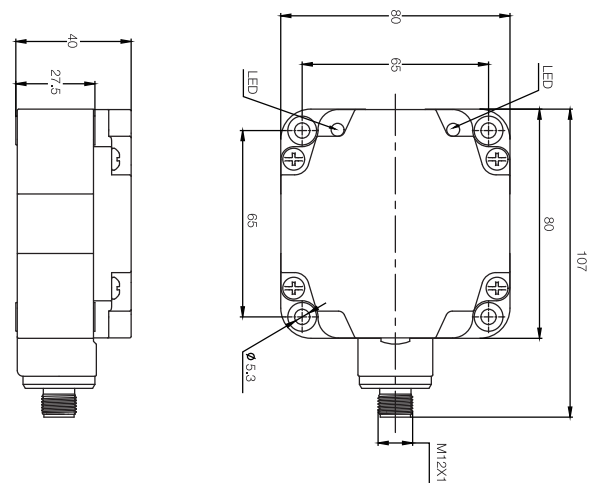


Fig.2



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Temperature Extension-Low Temperature-W80



Description:

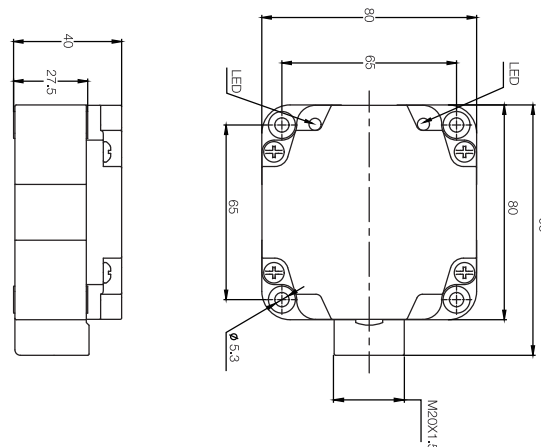
Plastic housing, rectangular 80x80mm, DC 3/4-wire output, temperature range down to -40°C, IP67 protection class, power and action LED indicator.

Technical Data:

Type	Rated Operating Distance S_n	Mounting	Output	Voltage Range U_B	Rated Current	Switching Frequency	Ambient Temperature	Connection	Fig
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Fi40-W80-CN6L-Q/TB40	40mm	Flush	NPN NC	10...30VDC	≤200mA	50Hz	-40...70°C	Terminal	Fig.1
Fi40-W80-BN6L-Q/TB40	40mm	Flush	NPN NO+NC	10...30VDC	≤200mA	50Hz	-40...70°C	Terminal	Fig.1
Fi40-W80-OP6L-Q/TB40	40mm	Flush	PNP NO	10...30VDC	≤200mA	50Hz	-40...70°C	Terminal	Fig.1
Fi40-W80-CP6L-Q/TB40	40mm	Flush	PNP NC	10...30VDC	≤200mA	50Hz	-40...70°C	Terminal	Fig.1
Fi40-W80-BP6L-Q/TB40	40mm	Flush	PNP NO+NC	10...30VDC	≤200mA	50Hz	-40...70°C	Terminal	Fig.1
Ni50-W80-ON6L-Q/TB40	50mm	Non-flush	NPN NO	10...30VDC	≤200mA	30Hz	-40...70°C	Terminal	Fig.1
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Ni50-W80-CP6L-Q/TB40	50mm	Non-flush	PNP NC	10...30VDC	≤200mA	30Hz	-40...70°C	Terminal	Fig.1
Ni50-W80-BP6L-Q/TB40	50mm	Non-flush	PNP NO+NC	10...30VDC	≤200mA	30Hz	-40...70°C	Terminal	Fig.1

Dimensions:

Fig.1



Temperature Extension-Low Temperature-W80



Description:

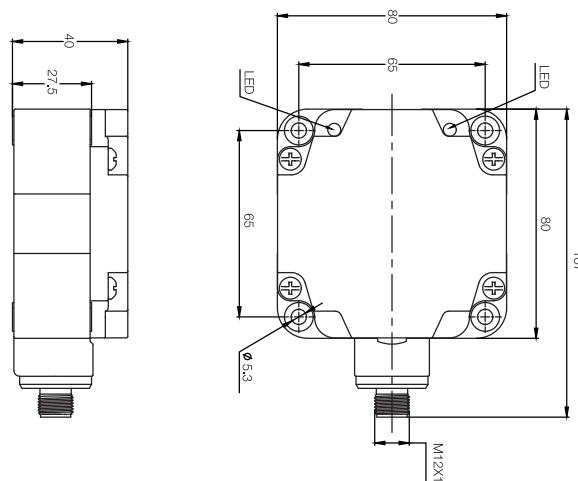
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Fi40-W80-CN6L-Q12/TB40	40mm	Flush	NPN NC	10...30VDC	≤200mA	50Hz	-40...70°C	Terminal	Fig.1
Fi40-W80-BN6L-Q12/TB40	40mm	Flush	NPN NO+NC	10...30VDC	≤200mA	50Hz	-40...70°C	Terminal	Fig.1
Fi40-W80-OP6L-Q12/TB40	40mm	Flush	PNP NO	10...30VDC	≤200mA	50Hz	-40...70°C	Terminal	Fig.1
Fi40-W80-CP6L-Q12/TB40	40mm	Flush	PNP NC	10...30VDC	≤200mA	50Hz	-40...70°C	Terminal	Fig.1
Fi40-W80-BP6L-Q12/TB40	40mm	Flush	PNP NO+NC	10...30VDC	≤200mA	50Hz	-40...70°C	Terminal	Fig.1
Ni50-W80-ON6L-Q12/TB40	50mm	Non-flush	NPN NO	10...30VDC	≤200mA	30Hz	-40...70°C	Terminal	Fig.1
Ni50-W80-CN6L-Q12/TB40	50mm	Non-flush	NPN NC	10...30VDC	≤200mA	30Hz	-40...70°C	Terminal	Fig.1
Ni50-W80-BN6L-Q12/TB40	50mm	Non-flush	NPN NO+NC	10...30VDC	≤200mA	30Hz	-40...70°C	Terminal	Fig.1
Ni50-W80-OP6L-Q12/TB40	50mm	Non-flush	PNP NO	10...30VDC	≤200mA	30Hz	-40...70°C	Terminal	Fig.1
Ni50-W80-CP6L-Q12/TB40	50mm	Non-flush	PNP NC	10...30VDC	≤200mA	30Hz	-40...70°C	Terminal	Fig.1
Ni50-W80-BP6L-Q12/TB40	50mm	Non-flush	PNP NO+NC	10...30VDC	≤200mA	30Hz	-40...70°C	Terminal	Fig.1

Dimensions:

Fig.1



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Temperature Extension-Low Temperature-W80



Description:

Plastic housing, rectangular 80x80mm, AC/DC 2-wire output, temperature range down to -40°C, IP67 protection class, power and action LED indicator.

Technical Data:

Type	Rated Operating Distance Sn	Mounting	Output	Voltage Range U _s	Rated Current	Switching Frequency	Ambient Temperature	Connection	Fig
F40-W80-OA41L-Q/TB40	40mm	Flush	DC/AC NO	20...250VAC/DC	DC≤100mA/AC≤200mA	20Hz	-40...70°C	Terminal	Fig.1
F40-W80-CA41L-Q/TB40	40mm	Flush	DC/AC NC	20...250VAC/DC	DC≤100mA/AC≤200mA	20Hz	-40...70°C	Terminal	Fig.1
F40-W80-VA41L-Q/TB40	40mm	Flush	DC/AC NO+NC	20...250VAC/DC	DC≤100mA/AC≤200mA	20Hz	-40...70°C	Terminal	Fig.1
Ni50-W80-OA41L-Q/TB40	50mm	Non-flush	DC/AC NO	20...250VAC/DC	DC≤100mA/AC≤200mA	20Hz	-40...70°C	Terminal	Fig.1
Ni50-W80-CA41L-Q/TB40	50mm	Non-flush	DC/AC NC	20...250VAC/DC	DC≤100mA/AC≤200mA	20Hz	-40...70°C	Terminal	Fig.1
Ni50-W80-VA41L-Q/TB40	50mm	Non-flush	DC/AC NO+NC	20...250VAC/DC	DC≤100mA/AC≤200mA	20Hz	-40...70°C	Terminal	Fig.1
F40-W80-OA41L-Q12/TB40	40mm	Flush	DC/AC NO	20...250VAC/DC	DC≤100mA/AC≤200mA	20Hz	-40...70°C	M12 Connector	Fig.2
F40-W80-CA41L-Q12/TB40	40mm	Flush	DC/AC NC	20...250VAC/DC	DC≤100mA/AC≤200mA	20Hz	-40...70°C	M12 Connector	Fig.2
F40-W80-VA41L-Q12/TB40	40mm	Flush	DC/AC NO+NC	20...250VAC/DC	DC≤100mA/AC≤200mA	20Hz	-40...70°C	M12 Connector	Fig.2
Ni50-W80-OA41L-Q12/TB40	50mm	Non-flush	DC/AC NO	20...250VAC/DC	DC≤100mA/AC≤200mA	20Hz	-40...70°C	M12 Connector	Fig.2
Ni50-W80-CA41L-Q12/TB40	50mm	Non-flush	DC/AC NC	20...250VAC/DC	DC≤100mA/AC≤200mA	20Hz	-40...70°C	M12 Connector	Fig.2
Ni50-W80-VA41L-Q12/TB40	50mm	Non-flush	DC/AC NO+NC	20...250VAC/DC	DC≤100mA/AC≤200mA	20Hz	-40...70°C	M12 Connector	Fig.2

Dimensions:

Fig.1

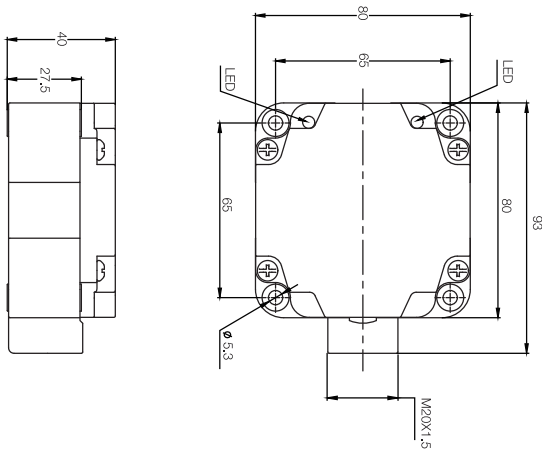
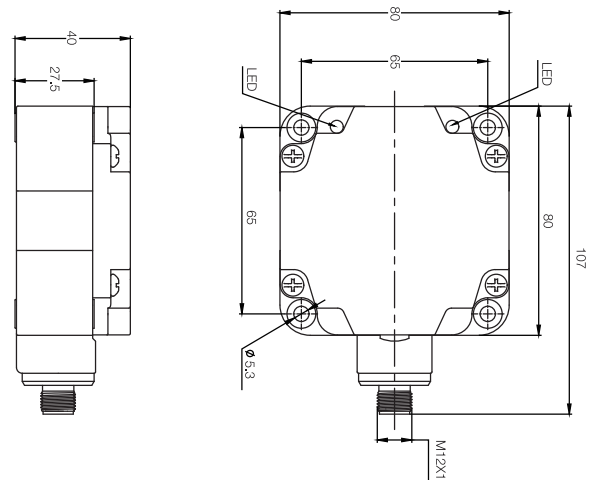


Fig.2



Temperature Extension-Low Temperature-W80



Description:

Plastic housing, rectangular 80x80mm, DC 2-wire output, wide voltage range, temperature range down to -40°C, IP67 protection class, power and action LED indicator.

Inductive Sensors

Technical Data:

Type	Rated Operating Distance S _n	Mounting	Output	Voltage Range U _B	Rated Current	Switching Frequency	Ambient Temperature	Connection	Fig
Fi50-W80-OD6L-Q/TB40	50mm	Flush	DC NO	10...30VDC	≤100mA	50Hz	-40...70°C	Terminal	Fig.1
Ni70-W80-OD6L-Q/TB40	70mm	Non-flush	DC NO	10...30VDC	≤100mA	30Hz	-40...70°C	Terminal	Fig.1
Fi50-W80-CD6L-Q/TB40	50mm	Flush	DC NC	10...30VDC	≤100mA	50Hz	-40...70°C	Terminal	Fig.1
Ni70-W80-CD6L-Q/TB40	70mm	Non-flush	DC NC	10...30VDC	≤100mA	30Hz	-40...70°C	Terminal	Fig.1
Fi50-W80-OD6L-Q12/TB40	50mm	Flush	DC NO	10...30VDC	≤100mA	50Hz	-40...70°C	M12 Connector	Fig.2
Ni70-W80-OD6L-Q12/TB40	70mm	Non-flush	DC NO	10...30VDC	≤100mA	30Hz	-40...70°C	M12 Connector	Fig.2
Fi50-W80-CD6L-Q12/TB40	50mm	Flush	DC NC	10...30VDC	≤100mA	50Hz	-40...70°C	M12 Connector	Fig.2
Ni70-W80-CD6L-Q12/TB40	70mm	Non-flush	DC NC	10...30VDC	≤100mA	30Hz	-40...70°C	M12 Connector	Fig.2
Fi50-W80-OD9L-Q/TB40	50mm	Flush	DC NO	10...60VDC	≤100mA	50Hz	-40...70°C	Terminal	Fig.1
Ni70-W80-OD9L-Q/TB40	70mm	Non-flush	DC NO	10...60VDC	≤100mA	30Hz	-40...70°C	Terminal	Fig.1
Fi50-W80-CD9L-Q/TB40	50mm	Flush	DC NC	10...60VDC	≤100mA	50Hz	-40...70°C	Terminal	Fig.1
Ni70-W80-CD9L-Q/TB40	70mm	Non-flush	DC NC	10...60VDC	≤100mA	30Hz	-40...70°C	Terminal	Fig.1
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Fi50-W80-CD9L-Q12/TB40	50mm	Flush	DC NC	10...60VDC	≤100mA	50Hz	-40...70°C	M12 Connector	Fig.2
Ni70-W80-CD9L-Q12/TB40	70mm	Non-flush	DC NC	10...60VDC	≤100mA	30Hz	-40...70°C	M12 Connector	Fig.2

Dimensions:

Fig.1

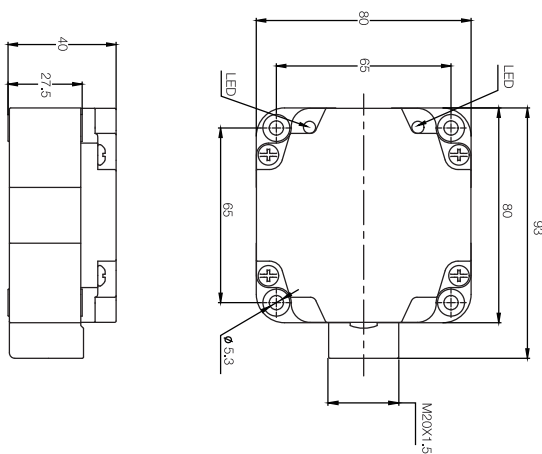
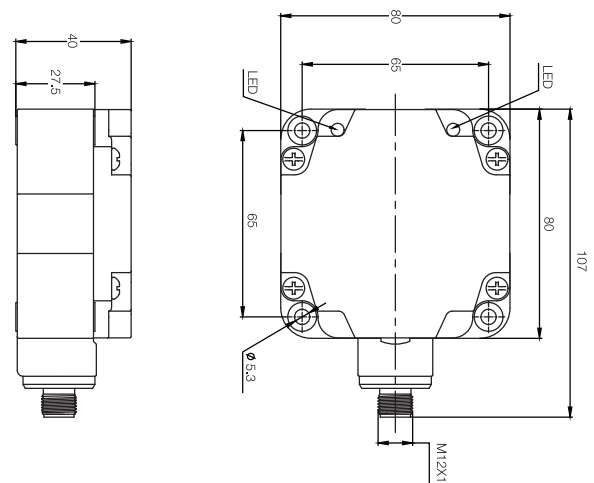


Fig.2



◀◀ Inductive Sensor

Temperature Extension-Low Temperature-W80



Description:

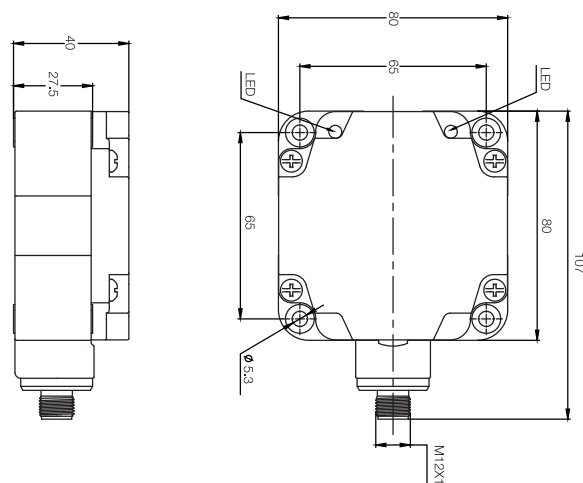
Plastic housing, rectangular 80x80mm, DC 3/4-wire output, temperature range down to -40°C, IP67 protection class, power and action LED indicator.

Technical Data:

Type	Rated Operating Distance S_n	Mounting	Output	Voltage Range U_B	Rated Current	Switching Frequency	Ambient Temperature	Connection	Fig
Fi50-W80-ON6L-Q12/TB40	50mm	Flush	NPN NO	10...30VDC	≤200mA	50Hz	-40...70°C	M12 Connector	Fig.1
Fi50-W80-CN6L-Q12/TB40	50mm	Flush	NPN NC	10...30VDC	≤200mA	50Hz	-40...70°C	M12 Connector	Fig.1
Fi50-W80-BN6L-Q12/TB40	50mm	Flush	NPN NO+NC	10...30VDC	≤200mA	50Hz	-40...70°C	M12 Connector	Fig.1
Fi50-W80-OP6L-Q12/TB40	50mm	Flush	PNP NO	10...30VDC	≤200mA	50Hz	-40...70°C	M12 Connector	Fig.1
Fi50-W80-CP6L-Q12/TB40	50mm	Flush	PNP NC	10...30VDC	≤200mA	50Hz	-40...70°C	M12 Connector	Fig.1
Fi50-W80-BP6L-Q12/TB40	50mm	Flush	PNP NO+NC	10...30VDC	≤200mA	50Hz	-40...70°C	M12 Connector	Fig.1
Ni70-W80-ON6L-Q12/TB40	70mm	Non-flush	NPN NO	10...30VDC	≤200mA	30Hz	-40...70°C	M12 Connector	Fig.1
Ni70-W80-CN6L-Q12/TB40	70mm	Non-flush	NPN NC	10...30VDC	≤200mA	30Hz	-40...70°C	M12 Connector	Fig.1
Ni70-W80-BN6L-Q12/TB40	70mm	Non-flush	NPN NO+NC	10...30VDC	≤200mA	30Hz	-40...70°C	M12 Connector	Fig.1
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Ni70-W80-CP6L-Q12/TB40	70mm	Non-flush	PNP NC	10...30VDC	≤200mA	30Hz	-40...70°C	M12 Connector	Fig.1
Ni70-W80-BP6L-Q12/TB40	70mm	Non-flush	PNP NO+NC	10...30VDC	≤200mA	30Hz	-40...70°C	M12 Connector	Fig.1

Dimensions:

Fig.1



Temperature Extension-Low Temperature-W80



Description:

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Inductive Sensors

Technical Data:

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FI50-W80-VA41L-Q/TB40	70mm	Flush	DC/AC NC	20...250VAC/DC	DC≤100mA/AC≤200mA	20Hz	-40...70°C	Terminal	Fig.1
NI70-W80-OA41L-Q/TB40	50mm	Non-flush	DC/AC NO/NC	20...250VAC/DC	DC≤100mA/AC≤200mA	20Hz	-40...70°C	Terminal	Fig.1
NI70-W80-VA41L-Q/TB40	70mm	Non-flush	DC/AC NO/NC	20...250VAC/DC	DC≤100mA/AC≤200mA	20Hz	-40...70°C	Terminal	Fig.1
FI50-W80-OA41L-Q12/TB40	50mm	Flush	DC/AC NO	20...250VAC/DC	DC≤100mA/AC≤200mA	20Hz	-40...70°C	M12 Connector	Fig.2
FI50-W80-VA41L-Q12/TB40	70mm	Flush	DC/AC NC	20...250VAC/DC	DC≤100mA/AC≤200mA	20Hz	-40...70°C	M12 Connector	Fig.2
NI70-W80-OA41L-Q12/TB40	50mm	Non-flush	DC/AC NO/NC	20...250VAC/DC	DC≤100mA/AC≤200mA	20Hz	-40...70°C	M12 Connector	Fig.2
NI70-W80-VA41L-Q12/TB40	70mm	Non-flush	DC/AC NO/NC	20...250VAC/DC	DC≤100mA/AC≤200mA	20Hz	-40...70°C	M12 Connector	Fig.2

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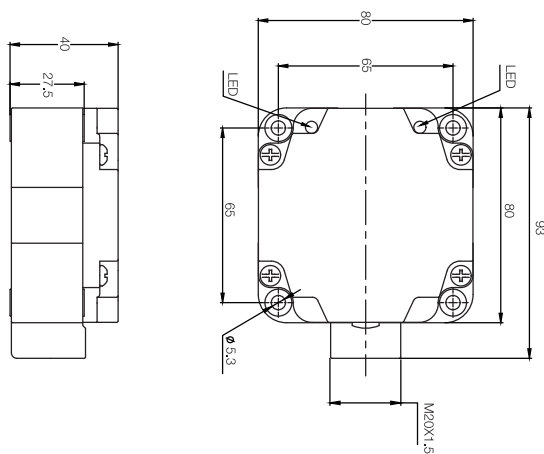


Fig.2

