Limit Switches

Questionnaire
Limit Switches

Builder: _____

User: _____

Project: _____

Mechanical Data

A Crane lifting gear

A1 Number of revolutions of the lifting drum _____

    or   Lifting distance $H = $ _____ m

                Drum dia. $d0 = $ _____ m

                Number of rope falls $Z = $ _____ 1

                Secondary reduction from drum to switch $i = $ _____ 1

A2 Drive speed (rev./min) _____

A3 Form   ❒ foot mounted (B3)   ❒ flange (B5) (B3/B5)

A4 Protection   ❒ outdoor application   ❒ mounted in the machine room

A5 Sorrounding Temp.r   in use from _____ °C up to _____ °C

                    in stagnancy (in stock) from _____ °C up to _____ °C

A6 Drive   ❒ through flexible coupling ❒ through chain/belt drive (observe radial loads)

B ❒ Jib or ❒ derrick

B1 Assembly of the limit switch to   ❒ hoisting winch   (fill in questions A1 – A5)

                                 ❒ pivot point   swing angle _____ °

C Rope grab lifting gear (differential switch)

C1 Number of revolutions hoist-drum _____

C2 Number of revolutions close-drum _____

C3 Reduction from drum to switch _____

Electrical data

E1 Number of switch contacts _____ thereof _____ pieces. emergency-off contacts

E2 Type of switch contacts   ❒ snap action ❒ push action

E3 Switching voltage _____ V

E4 Switching current _____ mA ❒ PLC (programmable logical controller)

E5 Number and size of cable entries _____ x M _____ + _____ x M _____

E6 Cable entries for screened cable ❒

Additional built-in options

Z1 Heaters   Input voltage ❒ 12 – 36 V   ❒ 110 – 250 V

Z2 Potentiometer   Resistance _____ kΩ Type _____

    optionally with transducer 0 – 20 mA 4 – 20 mA 0 – 10 V

    when provided by the customer, please submit the dimensions

Z3 Incremental encoder   Type _____   Manufacturer _____

    when provided by the customer, please submit the dimensions

Z4 Absolute encoder   Type _____   Manufacturer _____

    when provided by the customer, please submit the dimensions

Date _____   Signature _____