QR series identification

Resolution Absolute
Empty = 10 bit
H = 12 bit
X = 14 bit

Resolution Incremental
K = 32 ppr
L = 64 ppr
M = 128 ppr
N = 256 ppr
O = 512 ppr
P = 1024 ppr
Q = 2048 ppr
R = 4096 ppr

Output configuration
V = Analog voltage 0 - 5 V
V2 = Analog voltage 0.5 - 4.5 V
V3 = Analog voltage 1-9 V
V4 = Analog voltage 0.5 - 9.5 V
V5 = Analog voltage 0-10 V
V6 = Analog voltage 0.25 - 4.75V
I = Analog current 4-20 mA
P = PWM
C = Incremental Push Pull
SPI = Serial Peripheral interface
IO = IO-link interface
CAN = CAN open interface
CANJ= CAN J1939 interface

USA & Canada
U = cTUVus
UL= UL

Configuration
Any 5-digit number or character combination for customer specific configuration

Connection
K = PVC cable
P = PUR cable
PT = PUR/TPE cable
TT = TPE/TPE cable
C = Connector
M = Male
F = Female
D = Deutsch connector
S = Special
y = any figure (Conn. or poles)
p = number of poles

Generation
Empty = standard
N = Next Generation
P = Precise series
B = Bidirectional
X = eXtra

QR30 N - 110 H B - 2 V K 3 CM - 5V - UL - 30002

Measuring range
Absolute: degrees
Incremental: degrees
Tacho: rpm

Redundant
Empty = non-redundant
2 = redundant

Supply voltage
Empty = 10 - 30 Vdc
5V = 5 Vdc

Cable length
In m if not standard 2m

Encoder type
A = Absolute, 360°, slow response
B = Absolute, subranges, fast response
T = Tacho
S = Client specific
I = Incremental A/B pulses
D = Incremental Step/Direction pulses

Housing size
QR30 = 30x30 mm
QR40 = 40x40 mm
QR40EM = 40x40 mm

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We reserve the right to make technical alterations without prior notice. 21-5-2015